# Arizona State University Academic Catalog Archive 2018-2019 



This document provides an archival record of the academic programs offered during the 2018-2019 academic year. It is a printable option of the online catalog for accreditation organizations, agencies and university offices for data collection, evaluation purposes and referencing. The information and links presented in this archive may no longer be accurate. For current catalog information, refer to the online version of the academic catalog.

Corrections or additions to the Academic Catalog Archive 2018-2019 program information and major maps, as of August 2018, may be provided in a future addendum. For inquiries or questions, please contact academic.catalog@asu.edu.

## About this Document

To navigate this version of the Academic Catalog 2018-2019 refer to the table of contents and the bookmarks provided. The table of contents provides a hyperlinked listing of resources in the order in which they appear in this document. Keyword searches may be employed as an additional means of locating resources within this document.

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

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## President's Welcome

## A Welcome from President Michael M. Crow

"ASU maintains a tradition of academic excellence in core disciplines, and has become an important global center for innovative interdisciplinary teaching and research."

As president of Arizona State University, I would like to welcome you to one of the premier metropolitan public research universities in the nation. Enrolling more than 69,000 undergraduate, graduate, and professional students on four campuses in metropolitan Phoenix, ASU maintains a tradition of academic excellence in core disciplines, and has become an important global center for innovative interdisciplinary teaching and research. A research university is inherently committed to the principle that teaching is most effectively carried out in a context that encourages the creation of new knowledge. At ASU ground-breaking interdisciplinary research in the sciences and fields of technology complements scholarship in the humanities, social sciences, and professional schools. ASU is also a community of poets, novelists, artists, and musicians, a place where the expression of a personal vision is valued as highly as the design of a new molecule. The historic campus in Tempe, a college town surrounded by the creative ferment of a metropolitan region, provides a congenial setting for our academic community. In Mesa, ASU's Polytechnic campus is emerging as one of the nation's premier polytechnics, with an emphasis on experience-based learning and applications-based problem solving. In a beautiful setting in the burgeoning West Valley, ASU's West campus will evolve as a truly interdisciplinary college. The ASU Downtown Phoenix campus is home to world-class programs that contribute directly to their urban setting. ASU proudly champions diversity, and boasts a student body as diverse as any in the nation. Our campuses are international in scope, with students coming to ASU from all 50 states and nations across the globe to receive an education of the highest caliber. ASU is an active partner in initiatives to enhance the social well-being, economic competitiveness, and cultural depth.

Source URL: https://president.asu.edu/welcome

## New American University: Toward 2025 and Beyond

ASU Charter Video [1] from Arizona State University [2] on Vimeo [3].

## ASU Charter

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

## ASU Mission \& Goals

## Demonstrate leadership in academic excellence and accessibility

- Maintain the fundamental principle of accessibility to all students qualified to study at a research university
- Maintain university accessibility to match Arizona's socioeconomic diversity
- Improve freshmen persistence to $90 \%$
- Enhance university graduation rate to $\mathbf{8 0 \%}$ and more than $\mathbf{3 2 , 0 0 0}$ graduates
- Enhance quality while reducing the cost of a degree
- Enroll $\mathbf{1 0 0 , 0 0 0}$ online and distance education degree seeking students
- Enhance measured student development and individual student learning to national leadership levels
- Enhance linkages to the university at all levels for all learners


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

- Attain national standing in academic quality for each college and school (top 5\%)
- Attain national standing in the learning value added to our graduates in each college and school
- Become the leading university academically (faculty, discovery, research, creativity) in at least one department or school within each college/school


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

- Become the leading American center for discovery and scholarship in the integrated social sciences, and comprehensive arts and sciences
- Enhance research competitiveness to more than $\mathbf{\$ 8 1 5}$ million in annual research expenditures
- Transform regional economic competitiveness through research and discovery and value-added programs
- Become a leading American center for innovation and entrepreneurship at all levels


## Enhance our local impact and social embeddedness

- Strengthen Arizona's interactive network of teaching, learning and discovery resources that reflects the scope of ASU's comprehensive knowledge enterprise
- Co-develop solutions to the critical social, technical, cultural and environmental issues facing 21 st century Arizona
- Meet the needs of 21st century learners by empowering families in the education of their children, increasing student success through personalized learning pathways, and promoting a college-going culture in Arizona's K-12 schools
- Establish, with Mayo Clinic, innovative health solutions pathways capable of educating 200 million people about health care, engaging 20 million people in online health care delivery, and enhancing treatment for 2 million patients
- ASU Charter Video [4]
- ASU New American University brochure [5]
- ASU New American University (Spanish) [6]


## Source URL: https://president.asu.edu/about/asucharter

## Links:

[1] https://vimeo.com/110929715
[2] https://vimeo.com/asu
[3] https://vimeo.com/
[4] https://president.asu.edu/sites/default/files/ASU_Charter_Video-Mobile_1_\(1\).mov
[5] https://president.asu.edu/sites/default/files/asu_charter_goals_finalrevised_web_022217.pdf
[6] https://president.asu.edu/sites/default/files/asu_charter_goals_spanish_update_2017_16x9.pdf

## Institutional Inclusion

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

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

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

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

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

## Source URL: https://inclusion.asu.edu/diversity

## Diversity Initiatives

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

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

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

## Source URL: https://inclusion.asu.edu/diversity/initiatives

## Links:

[1] https://graduate.asu.edu/diversity-resources
[2] https://provost.asu.edu/initiatives/southwest-borderlands
[3] https://csrd.asu.edu/

# Diversity Plan: Building Blocks for Success Through People, Programming and Policies <br> Office of the Executive Vice President and University Provost 


#### Abstract

"We have to learn how to communicate and teach between all ethnic and cultural perspectives. Not with a dominant cultural perspective and marginal alternative cultural perspectives, but across all of these. We have not figured out how to do this.

We need to embrace cultural diversification in America and change the culture of the university as a critical first step."

President Michael Crow (remarks delivered at the 2004 Educating for a Diverse America: A Summit and Symposium, Austin, TX)


## ASU Values Diversity

Arizona State University has been in a state of accelerated transformation since 2002. Its evolution as the New American University presents remarkable opportunity for demonstrating leadership and innovation across the multiple domains of practice in higher education. One of the most critical areas where ASU can have local, regional, and global impact is diversity. As a function of its size, location, and current diversity, ASU is optimally positioned to create and evaluate new models of inclusion and, in so doing, advance the teaching, research and human resource imperatives that will guide higher education in the decades to come. In the sections that follow, we present a conceptual definition of diversity and then, the core components of a comprehensive diversity plan are identified, as are specific initiatives that follow from an application of these components.

## Defining Diversity

A widely constituted Diversity Council was charged in 2005 to develop a definition of diversity. That statement reads as follows:

Diversity and excellence are inextricably linked at Arizona State University. In line with recent Supreme Court decisions related to representation, we endorse the idea that engaging diversity facilitates comprehensive understanding, effective practice, and informed responsiveness to national and global imperatives. As an institution,

ASU is committed to these ideals and to creating an environment that promotes inclusion, respect, community, and appreciation for the full tapestry that comprises the human experience.

Diversity is defined in terms of representation and inclusion. Representation reflects the extent to which our students, staff, faculty and administrators proportionately reflect the regional and national populations served by our public institution. Inclusion encompasses empowerment and voice among all members of the university community in the areas of scholarship, teaching, learning, and governance. We recognize that race/ethnicity and gender historically have been markers of diversity in institutions of higher education; we further believe that diversity includes additional categories such as socioeconomic background, religion, sexual orientation, gender identity, age, disability, veteran status, nationality and intellectual perspective.

## Diversity and ASU's Imperatives of Excellence, Access, and Impact

Excellence is not achieved by simply repeating conventional patterns. Access extends well beyond representation to the goal of inclusion. Impact creates reverberations across time and space. Diversification of the academy, thus, requires thinking beyond singular or isolated programs or events, creating a cultural transformation that gives every member of our community an understanding of inclusion and their contribution to the effort. It also allows for measurement of solid indices of success that facilitate achievement of institutional goals. Achieving success in diversification and inclusion requires that ASU's approach involve a philosophical endorsement by the entire leadership and an operational plan that is transparent and is carried out by every person, in every area, and in every transaction.

Integrating the practice of diversity and inclusion in a large, complex organization requires commitment, resources, and cultural transformation. ASU is already one of the most diverse educational communities in the country; our aim is to make it the prototype of inclusion. This goal is achievable because we have a solid foundation and leadership that is characterized by creativity, high energy, and a commitment to university principles. ASU is well on its way to epitomizing the construct of interdependence, whereby each person and unit is aware that all are needed to contribute to the success of the whole and the success (or failure) of any member or group both influences and is influenced by the success (or failure) of other members and groups.

## Engaging the 'People, Programming, \& Policies' Approach

ASU's diversity plan acknowledges that an overarching framework that is comprehensible to all stakeholders and compelling in its ideology will yield the greatest success. Consequently, the 'People, Programming, \& Policies' initiative asks each of us to consider 3 basic questions:

How well does the composition of our student and employee population reflect the diversity of our broader constituencies? (people)

To what extent do the planning and design of our deliverables take into account the diversity that is currently in place and/or lacking at ASU? (programming)

How do we create and review our policies to promote equity and success for all members of our university community? (policies)

By engaging these three basic questions in the practice and production of our educational, employment, and research missions, we create a shared understanding of diversity and inclusion, and stand to achieve higher levels of success.

What do these questions look like in practice? In the sections that follow, we elaborate each of these three areas (people, programming, policies), and provide exemplars of initiatives that reflect corresponding efforts respectively. The representative initiatives suggest efforts that can be taken at the department, college, and vice-presidential area levels, as well as university-wide efforts that reflect provost- and presidential-level initiatives. Moreover, the efforts as a whole invite all ASU citizens to be involved in making the New American University a place of inclusion and excellence. Thus, input and responsiveness are encouraged.

## People in the context of our diverse stakeholders

ASU is the largest and one of the most diverse public universities in the country. Nonetheless, there is significant room for improvement. In 2005, $58 \%$ of our state's high school graduates were white; 29\% were Hispanic/Latino; 5\% African American; 3\% Asian American; and 5\% Native American. ASU's current undergraduate population, by comparison, is $68 \%$ white and $14 \%$ Hispanic/Latino; 10\% African American; 5\% Asian American; and $3 \%$ Native American. Women comprise about $1 / 3$ of tenured and tenuretrack faculty positions. The demographic patterns across our student populations, faculty, staff and administrators indicate that representational diversity remains a constant aspiration. To create change, each of our academic units and vice-presidential areas must ask: What is the current level of diversity in our unit? Is our team (students, faculty, staff, administrators) comprised of individuals from diverse groups (e.g., encouraging more women in science and engineering and more men in nursing)? If not, what changes can be made in recruitment and retention to achieve representational diversity?

Representative efforts at promoting inclusion
Representative examples of initiatives that can be undertaken to diversify the membership of our institution include: systematic review by each unit of diversification efforts, inclusive of successes, and areas in need of development; establishment and implementation of assessment procedures to govern diversity efforts within each college and vice-presidential area; development of a plan by each unit for promoting diversification in the composition of its undergraduate majors, graduate students, and workforce and for improving climate; early outreach to underrepresented students; proactive recruitment activities that yield diverse pools of qualified applicants in order to generate a competitive pool of finalists; recruitment of faculty who contribute to the
knowledge and practice of diversity; recruitment and retention of diverse administrators; resource allocation in an effort to recruit and retain individuals from underrepresented groups across all areas of the university when they are underrepresented; allocation of funds to secure target of opportunity hires for faculty who will increase diversity; initiation of partnerships with institutions that produce Ph.D. graduates from underrepresented groups; engagement of current staff members of underrepresented groups in recruitment and mentoring of new employees; recruitment and hiring of employees and administrators who will actively promote diversity; establishment of connections with current faculty organizations and departments in the service of recruiting diverse faculty and staff.

## Programming and deliverables (academics, employment, communication)

As an institution of higher education, ASU:
$\infty$ produces significant deliverables, including knowledge, ideas, new models of understanding, employees trained and prepared to contribute to the changing demands of the workforce, and tangible products that advance the human and global condition.
$\infty$ engages in the dissemination of information through classroom and research outlets.
$\infty$ recognizes that a comprehensive diversification plan in which all members take responsibility will yield the most effective and beneficial deliverables.
$\infty$ underscores the importance of leadership in modeling and ensuring quality and accountability for production of a good yield.

Our 'programming' in these and other areas must reflect an appreciation for the role that diversity plays in the world, as well as for strengths inherent in diversification and inclusion. Programming should focus not on the production of isolated events or markers of progress that fail to be integrated into the fabric of the university, but instead emphasize a systematic approach that reflects in word and deed the institution's commitment to the practice and science of inclusion across all areas of production.

## Diversity efforts in the academic domain

Diversity and inclusion can be reflected on the academic side via:
$\checkmark$ the research enterprise, through such efforts as defining the intellectual enterprise; inclusion of diverse populations, methodologies, and paradigms; inclusiveness in team composition; targeted beneficiaries of tangible outcomes;
$\checkmark$ teaching, through the development and evolution of new courses with diversity content (inclusive of ASU 101 and focused and general courses); promotion of pedagogical strategies that encourage student involvement and facilitate respect for diverse perspectives; incorporation of diversity as a core element of graduate teaching assistant training; faculty development workshops in the area of intergroup dynamics and diversity; systematic programming on diversity within student residential halls;
$\checkmark$ service efforts on campus, in the community, and in our respective professions, through promotion of service to underrepresented populations, mentoring of underrepresented students, support for ethnic and women's faculty and staff affinity groups, and educational programs for community members related to diversity.

## Diversity efforts in training of employees

On the employment dimension, inclusion can be supported through initiatives such as the development of a Diversity Training Institute in the Human Resource arena (including the implementation of employee training models that take into account the needs and advantages associated with diversity, and general diversity training for all staff, faculty, and administrators to meet the needs of a diverse student body); overall development and support for new and existing programming that encourages interaction across diverse groups (e.g., intergroup dialogue opportunities for employees); increasing professional development opportunities for staff, mentoring individuals from underrepresented groups for advancement to leadership roles; recognition of both individual and unit success in diversity initiatives; mentoring programs for new faculty and employees with a core component that addresses the challenges/opportunities associated with being a member of an underrepresented group; creating liaisons to industry partners to exchange best practices for diversifying the workforce and promoting inclusion (e.g., the Diversity Leadership Alliance).

Efforts related to constructing and disseminating the message of inclusion
In the communication arena, commitment to diversity and inclusion call for systematic and ongoing review of all outreach publications for text and images that are representative; inclusion on the ASU Web site of a coherent inventory of diversity-related events, offices, programs, and groups within the university; conveyance in public appearances by administrators and other ASU representatives to the community of a clear and consistent message that diversity is an institutional priority; establishment of visiting lectureships and fellowships to bring emerging and renowned scholars from diverse backgrounds to contribute to the intellectual climate of the university; sponsorship of a Living Legends town-gown collaboration that highlight contributions of community members from diverse backgrounds; examination of symbols on campus that may reflect exclusion of different and important groups on campus.

## Policies that matter

An organization's commitment to diversity must be reflected in recruiting policies, reward structures, and accountability procedures. Support for diversity and inclusion must be demonstrated at all levels of the university from the central administration to the smallest unit on campus. Our policies must be infused with a focus on the needs, benefits, and understanding of dynamics that are associated with successful diversification. Importantly, success in diversification must comprise a component of our evaluations.

## Policies that reflect institutional priorities

Among possible examples of how diversity must be reflected in our policies are the following initiatives: systematic collection and reporting of recruitment, retention, and promotion rates by gender and ethnicity, and other relevant categories, as well as administrators from underrepresented groups (in comparison with overall rates); similar efforts in undergraduate and graduate student recruitment, retention, and graduation success; identification and implementation of college-specific strategies for increasing their diversity, and for monitoring and reporting progress annually; regularized selfassessments by colleges and units on a diversity template to identify progress; examination and insuring no bias in faculty and staff recognition and awards, faculty start-up packages, endowed chairs, recruitment of post-docs, and scholarship recipients; family-friendly policies (e.g., our existing approaches and policies concerning spousal accommodations and parental leave); inclusion of questions in annual and academic program reviews about initiatives undertaken by departments to address diversification in their climate, curriculum, and student, faculty and staff populations; requiring demonstrated skills in managing and increasing diversity as a standard qualification for all leadership positions; identification and rectification of inequity in workload and salary related to gender and race/ethnicity; representation of diversity on committees that have long-range impact; inclusion in the university's exit interview process questions to assist in identifying opportunities for improvement in retention of faculty, administrators, and staff from underrepresented groups; integration of diversity into all major policy changes.

Rewarding diversity
To promote achievement in tangible diversification, the institution will reward the pursuit of initiatives and efforts to promote inclusion on every level. To achieve the 'highest rating', contributions to diversity should be evident. Further reflecting our commitment to achieving diversification, diversity efforts will be rewarded in every possible way, including recognition, promotion, and participation in key university decision-making.

## THE PLAN

In order to achieve the diversity we seek and promote the respect necessary in our university and society, we are launching an initial six-part initiative. The constituent elements are:

## 1. COMMUNICATION

To ensure visibility of our commitment, we shall maintain a web page with information on initiatives and ensure our communication efforts highlight university activities related to diversity and the promotion of tolerance.
$\infty$ Create an ASU diversity Web page with links from the president's and provost's pages and links to other relevant pages. Inclusion on the ASU Web site of a coherent inventory of diversity-related events, offices, programs, and groups within the university;
$\infty$ Conveyance in public appearances by administrators and other ASU representatives to the community of a clear and consistent message that diversity is an institutional priority;
$\infty$ ASU home page web images and university publications should reflect the diversity of our faculty, academic professionals, staff and students.

## 2. UNIVERSITY DIALOGUE

Launch a multi-year initiative to promote dialogue and discussion among students, staff and faculty about the issues and challenges related to diversity. As ASU is situated in a state with a rapidly changing demography and within a region that is changing in similar as well as different ways coupled with the importance of understanding the dynamic global environment, it is important that we promote an active level of engagement of our students, staff and faculty in these issues. This multi-year initiative will have focused areas of attention each year coupled with annual goals to facilitate an assessment of our progress. This Dialogue initiative is an important element to building an environment that is welcoming of all individuals and viewpoints. Such an initiative provides the opportunity to reflect on the university as a place for differences to inform and educate, critical elements of our raison d'etre. This initiative will be funded by the Office of the Executive Vice President and University Provost and designed and developed in consultation with a Provost's Diversity Steering Committee that will be appointed in the coming weeks. Examples of initiatives that may be incorporated into this effort include:

Build on the success of the work of the Intergroup Relations Center (http://www.asu.edu/provost/intergroup/) which has programs for undergraduates, graduates, faculty and staff and the community. of race, ethnicity, sexual orientation, gender, and diversity.
$\infty$ Focused discussions within residential living facilities for students. Colloquia or conferences featuring scholarship that addresses issues of race, ethnicity, gender, tolerance and diversity.
Sponsorship of a Living Legends Series, oral histories of members of our university community and those in the metropolitan region to better understand how the University was shaped and formed.

After each year of this initiative, the Provost's Diversity Steering Committee will undertake a review of the initiative to determine what would be the appropriate next steps in continuing to strengthen the University's commitment to diversity. Such a review may include assessment data on changes students report as part of their experiences at ASU, as well as assessment on employee experiences and perceptions. Climate data will be collected at regular intervals in collaboration with groups such as the Commission on the Status of Women, Faculty Women's Association, Office of Academic and Institutional Cultural Change, Classified Staff Association, and Human

Resources, among others. In addition, the Steering Committee may wish to collect data on matters not studied through other data collection efforts.

The Provost's Diversity Steering Committee will serve as a liaison with the Campus Environment Teams, Commissions on the Status of Women, Faculty Women's Association, Office of Academic and Institutional Cultural Change, Intergroup Relations Center, REFOCUS, Chicana/o Latina/o Faculty and Staff Association, Ubiquity, and other organizations on all campuses interested in promoting diversity to contribute to the design, development and evaluation of the multi-year dialogue. The Committee will also work with the Provost's Office to identify opportunities to publicly recognize the research, scholarship, and creative activities of faculty from underrepresented groups.

## 3. COLLEGE/SCHOOL FOCUS

Recruitment and retention of a diverse faculty is everyone's responsibility, however, deans and academic chairs/directors have a special role to play in this regard and will be rewarded for their success in recruiting, retaining, and promoting excellent faculty and staff from underrepresented groups. The New American University vision cannot be realized without this commitment. To assist with recruiting, information from the Office of Diversity on the availability of minority and female or male candidates will be foundational information. Senior positions being recruited should be characterized by a heightened commitment to ensuring a diverse set of candidates to create a strong cadre of leaders and mentors who reflect ethnic and gender diversity, and recognize the need for minorities and women in such roles. Where deans identify an individual who would be a significant asset to their college or school but who is not someone they were specifically seeking through their search activity, they may make application to the Office of the Executive Vice President and University Provost for funding to support such a person. Deans will be asked to report annually to the University Provost on the success they have had in their efforts to increase the diversity of their faculty and staff and highlight every five years on the increase they have had in the recruitment and retention of the faculty and staff.

While a central mentoring program offers some opportunity for advice to untenured faculty members, the critical issue is mentoring them within their units to ensure the highest probability of success. Each college and school will be expected to develop a mentoring program designed to ensure assistant professors have the opportunity for learning about the expectations they should be meeting, enabling their scholarly success, and helping them become quality teachers (this may be done within departments not just at the college or school level). Such programs may, for example, facilitate writing groups or collaborative efforts in grant writing as suitable to the disciplines involved. As each college will be conducting an orientation program for its new faculty, efforts at mentoring can be initiated through that experience. Deans will also be asked to ensure that start-up commitments and initial teaching assignments are fairly made to avoid differences based solely on gender or ethnicity and this will be monitored by the Office of the Executive Vice President and University Provost. The design of the mentoring program and its impact and allocation of start-up funds to
individual faculty members will be reported annually to the University Provost by each dean.

There is a need to be proactive in the development of faculty from racial and ethnic minorities, women and all members of underrepresented groups. One mechanism is through the creation of a faculty pipeline through postdoctoral fellowships for racial/ethnic minorities (all areas), and in fields where women are underrepresented, such as science and engineering. Units are encouraged to apply for grants from foundations and other sources to target graduate students with fellowships designed to enhance diversity (e.g., doctoral students supported by Ford Foundation fellowships, NIH and other training grants/fellowships to support diversity, etc.), and use faculty networks to identify additional candidates. The Graduate College will be available to assist with this initiative.

The recruitment and retention of faculty from a wide variety of groups and intellectual perspectives strengthens the university by ensuring students are exposed to a diverse set of perspectives. To assist in attracting faculty from underrepresented and other diverse groups, the University will establish two new programs to be called the President's PreDoctoral Fellowship and President's Post-Doctoral Fellowship. The Fellowship will provide funding for a College or School to attract a promising new scholar who has only their dissertation to finish or has recently finished the doctoral degree (or other appropriate terminal degree) and whom the College or School is prepared to offer an assistant professorship. The successful candidates will be provided with one year to either complete their dissertation and begin their scholarly activities beyond the dissertation or complete a one year post-doctoral training program to initiate their program of research. During this Fellowship there will be no teaching assignments. Funding will be provided by the Office of the Executive Vice President and University Provost to a maximum of $\$ 40,000$ for nine months for Pre-Doctoral Fellows and discipline specific funding determined on a case-by-case basis for Post-Doctoral Fellows (benefits are the same as those offered post-doctoral fellows; faculty benefits begin the following year with the beginning of the appointment as an assistant professor).

The University Provost will consider facilitating hiring of qualified spouse/partners at the request of the deans when the partner's position will be in a different college from that of the person originally hired. The funding available will be determined on a case-by-case basis representing the unique circumstances each of these opportunities presents to the university with provost office funds returning to the central administration when the person leaves the university.

It is also essential that we develop a greater capacity within our own faculty to assume leadership roles. To that end, the proposed Faculty Women's Association's Leadership Program is an initiative we would like to support and see extended in each college or school at ASU. Less than a third of all department chairs/directors at ASU are women and even fewer are women of color suggesting that a training initiative such as the one proposed by the Faculty Women's Association has the potential to substantially enhance
the pool of faculty interested and able to assume these important roles. The proposed initiative is one that can be adapted for each college or school.

## 4. TRAINING FOR CHAIRS AND DEANS

The importance of identifying unexamined biases and development of strategies to overcome such biases and gender (and race) schemas are a primary recommendation of the National Academy of Science report, Beyond Bias and Barriers: Fulfilling the Potential of Women in Academic Science and Engineering (2006). ASU will incorporate diversity training into leadership programs for chairs, deans, and associate deans. Diversity training will include:
$\infty$ Speaker series, with highly respected scientists and engineers from top research universities addressing strategies to overcome biases in hiring, promotion, and tenure decisions, and to promote a climate that encourages productivity and fair treatment for all. Time for discussion would follow, and speakers would be available for meetings and consultation with faculty and administrators.
$\infty$ Workshops on mentoring, including how to have difficult conversations with faculty designed to help them progress towards tenure and promotion.
$\infty$ Workshops on climate, with focus on how to create and maintain a climate in the unit and college that is welcoming and supportive for all members of the faculty (as well as postdoctoral scholars, graduate students, and undergraduates). Subtle biases and gendered and racialized expectations will be discussed, as well as models for creating flexible yet fair policies, procedures and practices that enhance productivity and career satisfaction.
$\infty$ Workshop on developing diversity councils within colleges and how to engage these councils most effectively.
$\infty$ Training to create a 'diversity template' so that colleges and academic units can conduct self-assessments on a regular basis to determine where progress has been and where continued efforts are needed.
$\infty$ Department chairs, directors and deans have the opportunity to be catalysts for enhancing the pool of faculty who may move into leadership roles. Working with groups such as the Office of Academic and Institutional Cultural Change (AICC) established by the President and reporting to the Office of the Executive Vice President and University Provost and other university resources, chairs, directors and deans should consider ways to support the development of women and members of all underrepresented groups into leadership roles.

In addition to training for chairs and deans, there is a need to develop more leaders for senior level leadership roles. In the preceding section, the initiative to train more women for leadership roles at the department level was described. It is also our intent to increase the number of underrepresented groups in leadership roles beyond that of department chair. Therefore, the Office of the Executive Vice President and University Provost will initiate a fellowship program to increase the pool of women interested in and able to assume more senior leadership roles within the university.

## 5. Building Synergy

There are a number of organizations and units that deal with issues of diversity on a regular basis. These include the Intergroup Relations Center, Commission on the Status of Women, the Faculty Women's Association, and Campus Environment Teams. It would be advantageous to examine ways to build greater synergy arising from their collective efforts to increase the impact within ASU. One consideration would be to colocate all of the staff in these units in one place so that it might promote greater communication and collaboration while also providing assistance to each other on projects.

## 6. Building Private Investment to Advance Diversity

Creating bridges to the community and identifying resources to support faculty, staff and students are responsibilities of the deans and the central administration. The deans of the colleges and schools working in collaboration with the efforts of the President, Provost, and President of the ASU Foundation will be encouraged to develop such opportunities.
$\infty$ As such, deans may seek to establish funds and endowments to support scholarships, professorships, chairs, annual lectures, and small conferences. These may include such things as:

- Expanding existing lecture series (e.g., Wade Smith Memorial Lecture on Race Relations) to include additional lectures conducive of conversations;
- Establishment of mid-career endowed professorships/chairs to encourage and retain "rising stars," with a substantial percentage directed towards members of underrepresented groups among the faculty;
- Engaging Industry Partners through creative partnership. These should include but not be limited to businesses that have supported diversity at ASU (e.g., Wells Fargo). Develop venues through which they can help showcase the importance of diversity in higher education from the perspective of industry partners seeking talent.
$\infty$ All fund raising efforts will be coordinated by the Foundation to ensure the best return for the University and the optimization of our supporters interests.


## Monitoring and Oversight

The Office of the Executive Vice President and University Provost will engage in monitoring and oversight designed to facilitate and encourage best practices, as well as to ensure compliance with federal law. To recapitulate our commitment:
$\infty$ The University Provost will reward deans for the diversity of their faculty, staff, and students, and will expect deans to reward chairs and directors for diversity in their departments.
$\infty$ As a primary component of our Office of Diversity monitoring:

- Deans and chairs/directors will be provided with nationally available data for women and racial/ethnic minorities in their fields (from the NSF Survey of Earned Doctorates and/or IPED data).
- New faculty hires will be reviewed annually, by college and academic unit, to assess progress in hiring a diverse faculty at all ranks. Salary and start up packages will be reviewed at this time with attention to ensure lack of discrimination by gender or race/ethnicity.
$\infty$ The University Provost will appoint or review membership on major awards committees (e.g., Regents Professors, Presidents' Professors) and will review nominations for these awards.
$\infty$ Compensation, research support, and other support and teaching loads will be reviewed annually for lack of discrimination in faculty ranks and titles, by gender, and ethnic identity.


## Academic Accreditation

## University Program Review and Accreditation Office

## Academic programs are fully accredited

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

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

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

## Purpose of accreditation

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

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

1. Regular monitoring and compliance
2. Assurance review [5] (Year 4, 2016-17)

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

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

## Criteria for accreditation

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

## Criterion 1: Mission

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

## Criterion 2: Integrity, ethical and responsible conduct

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

## Criterion 3: Teaching and learning: Quality, resources and support

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

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

## Criterion 5: Resources, planning and institutional effectiveness

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

Source URL: https://provost.asu.edu/accreditation

## Links:

[1] https://provost.asu.edu/sites/default/files/page/2437/arizonastateuniversitypeaqreaffirmationactionletter9-24-13.pdf
[2] https://provost.asu.edu/accreditation/specialized-accreditation
[3] https://www.hlcommission.org/Accreditation/open-overview.html
[4] https://www.hlcommission.org/Accreditation/open-pathway-cycle.html
[5] https://www.hlcommission.org/Accreditation/assurance-review.html
[6] https://www.hlcommission.org/component/directory/?Action=ShowBasic\&Itemid=\&instid=1002
[7] https://www.hlcommission.org/Accreditation/quality-initiative.html
[8] https://www.hlcommission.org/Accreditation/comprehensive-evaluation.html
[9] http://www.hlcommission.org/Policies/criteria-and-core-components.html
[10] http://www.hlcommission.org/Policies/assumed-practices.html

## Functions of the University Program Review and Accreditation Office (UPRA)

## Liaison to the Higher Learning Commission (HLC)

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

## Professional accreditation oversight

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

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

## Note: Repository for all accreditation documents.

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

## Academic Program Review oversight

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

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

## Centers and Institutes oversight

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

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

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

## Links:

[1] https://www.hlcommission.org/
[2] https://provost.asu.edu/academic-program-review
[3] https://provost.asu.edu/centers
[4] mailto:centers-institutes@asu.edu

## President Michael M. Crow

Arizona State University
PO Box 2203
Tempe, AZ 85287-2203
Dear President Crow:
This letter is formal notification of the action taken concerning Arizona State University by the Higher Learning Commission. At its meeting on September 24, 2013, the Institutional Actions Council (IAC) acted on the items below. This letter serves as the official record of this action, and the date of this action constitutes the effective date of your new status with the Commission.

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

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

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

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

Sincerely,


Sylvia Manning President

## Programs with Specialized Accreditation

Arizona State University programs with specialized accreditation are listed by college or school.
College of Health Solutions

Accredited programs
Nutrition (didactic program in dietetics)
Nutrition (dietetic Internship)
MS, Communication Disorders
AuD, Audiology

## Accrediting agencies

Accreditation Council for Education in Nutrition and Dietetics (ACEND)

American Speech-Language-Hearing Association (ASHA)

## College of Integrative Sciences and Arts

## Accredited programs

## Accrediting agencies

PhD, Counseling Psychology
American Psychology Association (APA)

Council for Accreditation of Counseling and Related Educational Programs (CACREP)

## College of Liberal Arts and Sciences

Department of Psychology

## Accredited programs

## Accrediting agencies

PhD, Psychology (with concentration in Clinical Psychology)
American Psychology Association (APA)

School of Geographical Sciences and Urban Planning

Accredited programs
MUEP, Urban and Environmental Planning

## College of Nursing and Health Innovation

## Accredited programs

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

BAS, Medical Laboratory Science

## Accrediting agencies

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

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)

## College of Public Service and Community Solutions

School of Community Resources and Development

## Accredited programs <br> BS, Parks and Recreation Management <br> School of Public Affairs

Accredited programs

MPA, Public Administration

School of Social Work
Accredited programs
BSW, MSW, Social Work

Herberger Institute for Design and the Arts
The Design School

## Accredited programs

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

School of Architecture and Landscape Architecture

## Accredited programs

MLA, BSLA, Landscape Architecture
MArch, Architecture

## Accrediting agencies

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

## Accrediting agencies

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

Accrediting agencies
Council of Social Work Education (CSWE)

## Accrediting agencies

Council for Interior Design Accreditation (CIDA)

National Association of Schools of Art and Design (NASAD)

## Accrediting agencies

Landscape Architectural Accreditation Board (LAAB)
National Architectural Accrediting Board (NAAB)

## Accredited programs

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

## Ira A. Fulton Schools of Engineering

## Accredited programs

## BS, Computer Science

BS, Construction
BS, Aeronautical Management Technology - Professional
Flight
BS, Aeronautical Management Technology - Air
Transportation Management
BS, Air Traffic Management

BSE, Aerospace Engineering
BSE, Biomedical Engineering
BSE, Chemical Engineering
BSE, Civil Engineering
BSE, Computer Systems Engineering Engineering Accreditation Commission of
BSE, Electrical Engineering
BSE, Engineering
BSE, Industrial Engineering
BSE, Materials Science and Engineering
BSE, Mechanical Engineering
BSE, Engineering
(Polytechnic campus)

## Accrediting agencies

National Association of Schools of Music (NASM)

## Accrediting agencies

Computing Accreditation Commission (CAC) of ABET, http://www.abet.org [1]

American Council for Construction Education (ACCE)

Aviation Accreditation Board International (AABI) ABET, http://www.abet.org [1]

Engineering Accreditation Commission (EAC)

## Mary Lou Fulton Teachers College

Accredited programs

## Accrediting agencies

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

## Sandra Day O'Connor College of Law

## Accredited programs

## Accrediting agencies

JD, Law
American Bar Association (ABA)

## W. P. Carey School of Business

Accredited programs

## Accrediting agencies

BA, Business
BS, Business Data Analytics
BS, Business Entrepreneurship
BS, Computer Information System
BS, Economics
BS, Finance
BS, Management
BS, Marketing
BS, Supply Chain Management
MA, Business Administration
MA, Real Estate Development
MA, Business Analytics
MA, Finance
MA, Global Logistics
MA, Information Management
MA, Management
PhD, Business Administration
PhD, Philosophy in Business Administration
PhD, Philosophy in Economics

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

## School of Accountancy

Accredited programs
BS, Accountancy
MA, Accountancy, Taxation
PhD, Business Administration (w/concentration in Accountancy)
PhD, Philosophy in Economics

## Accrediting agencies

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

## Walter Cronkite School of Journalism and Mass Communication

## Accredited programs

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

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

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

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

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

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

MA, Sports Journalism

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

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

PhD, Journalism and Mass Communication

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

## Links:

[1] http://www.abet.org

## Academic Organizations 2018-2019

## Academic Organizations 2018-2019 <br> *Effective August 10, 2018

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

## Barrett, the Honors College

Business, W. P. Carey School of
Accountancy, School of
Agribusiness, Morrison School of
Economics, Department of
Finance, Department of
Information Systems, Department of
Management and Entrepreneurship, Department of
Marketing, Department of
Supply Chain Management, Department of
Design and the Arts, Herberger Institute for
Art, School of
Arts, Media and Engineering, School of
Design School, The
Film, Dance and Theatre, School of
Music, School of
Engineering, Ira A. Fulton Schools of
Biological and Health Systems Engineering, School of
Computing, Informatics and Decision Systems Engineering, School of
Electrical, Computer and Energy Engineering, School of Engineering of Matter, Transport and Energy, School for Polytechnic School

Sustainable Engineering and the Built Environment, School of

Future of Innovation in Society, School for the
Global Management, Thunderbird School of
Graduate College
Health Solutions, College of
Biomedical Informatics, Department of Nutrition and Health Promotion, School of Science of Health Care Delivery, School for the

Speech and Hearing Science, Department of
Integrative Sciences and Arts, College of
Interdisciplinary Arts and Sciences, New College of
Humanities, Arts and Cultural Studies, School of
Mathematical and Natural Sciences, School of
Social and Behavioral Sciences, School of
Journalism and Mass Communication, Walter Cronkite School of

Law, Sandra Day O'Connor College of
Liberal Arts and Sciences, College of
Aerospace Studies, Department of
American Indian Studies Program
Civic and Economic Thought and Leadership, School of
Earth and Space Exploration, School of
English, Department of
Geographical Sciences and Urban Planning, School of Historical, Philosophical and Religious Studies, School of

Human Communication, Hugh Downs School of
Human Evolution and Social Change, School of
International Letters and Cultures, School of
Life Sciences, School of
Mathematical and Statistical Sciences, School of
Military Science, Department of
Molecular Sciences, School of
Naval Science, Department of
Physics, Department of
Politics and Global Studies, School of
Psychology, Department of
Social and Family Dynamics, T. Denny Sanford School of

Social Transformation, School of
Transborder Studies, School of

Nursing and Health Innovation, College of
Public Service and Community Solutions, College of
Community Resources and Development, School of
Criminology and Criminal Justice, School of
Public Affairs, School of
Social Work, School of

Sustainability, School of
Teachers College, Mary Lou Fulton
Educational Leadership and Innovation, Division of
Teacher Preparation, Division of
University College

## Locations of Record

For the 2018-2019 academic year, Arizona State University offered degree-granting programs at the following locations.

## Downtown Phoenix Campus

Phoenix, AZ 85004

## Polytechnic Campus

Mesa, AZ 85212

## Tempe Campus

Tempe, AZ 85287

## West Campus

Glendale, AZ 85306

## ASU@Cochise

Sierra Visa, AZ 85635

## ASU@Lake Havasu

Lake Havasu, AZ 86403

## ASU@Pima

Tucson, AZ 85745

ASU@Pinal
Casa Grande, AZ 85122

ASU@The Gila Valley
Thatcher, AZ 85552

## ASU@Yavapai

Prescott Valley, AZ 86314

## ASU@Yuma

Yuma, AZ 85365

## ASU Online

An online campus

## Academic Calendar

ASU regularly offers classes in the fall, spring and summer terms with the following components:
Fall/Spring Session A: first 7.5 -week session
Fall/Spring Session B: second 7.5 -week session
Fall/Spring Session C: full semester ( 15 weeks plus final exams)
Summer Session A: first 6-week session
Summer Session B: second 6-week session
Summer Session C: 8-week session

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

All dates are subject to change without notice.

- Summer 2018 [2]
- Fall 2018 [3]
- Spring 2019 [4]
- Summer 2019 [5]
- Archive \& Future Term Calendars_ [6]


## Related Calendars

- Final Exam Schedule [7]
- Tuition Deadlines [8]
- Financial Aid Calendar [9]
- Religious Holidays [10]

Fall 2018

| Session A: Thursday, 08/16/2018 - Friday, 10/05/2018 <br> Session B: Wednesday, 10/10/2018 - Friday, 11/30/2018 <br> Session C: Thursday, 08/16/2018 - Friday, 11/30/2018 (Final Exams 12/03/2018 - 12/08/2018) |  |  |
| :--- | :--- | :--- | :--- |
| Schedule of Classes Available [12] |  | February 19, 2018 |
| Registration and Tuition Guide Available [22] |  | February 19, 2018 |


| Session A: Thursday, 08/16/2018 - Friday, 10/05/2018 <br> Session B: Wednesday, 10/10/2018 - Friday, 11/30/2018 <br> Session C: Thursday, 08/16/2018 - Friday, 11/30/2018 (Final Exams 12/03/2018-12/08/2018) |  |  |  |
| :---: | :---: | :---: | :---: |
| Extended Hours (Registration Sites Only) | TBD |  |  |
| Last Day to Register or Drop/Add Without College Approval [15] | Session A August 17, 2018 | $\begin{gathered} \text { Session B } \\ \text { October 11, } 2018 \end{gathered}$ | Session C <br> August 22, 2018 |
| Residency Classification Petition Deadline [16] | August 22, 2018 |  |  |
| Tuition Fee Payment Deadline - For registration through 8/18/2018. For more information, see Tuition and Deadlines. [18] | August 25, 2018 |  |  |
| Labor Day Observed - University Closed | September 3, 2018 |  |  |
| Tuition \& Fees 100\% Refund Deadline - For more information see Tuition and Refund Policy. [17] Note: If you choose to drop a class [24] or withdraw from ASU [25] after this deadline, you may receive a bill for the financial aid used to cover those classes. | Session A August 22, 2018 | $\begin{aligned} & \text { Session B } \\ & \text { October 16, } 2018 \end{aligned}$ | Session C August 29, 2018 |
| University 21st Day | Session A September 5, 2018 | $\begin{gathered} \text { Session B } \\ \text { October 30, } 2018 \end{gathered}$ | Session C September 5, 2018 |
| Tuition Fee Payment Deadline - For registration from 8/19/2018 through 9/18/2018. For more information, see Tuition and Deadlines. [18] | September 25, 2018 |  |  |
| University 45th Day | September 29, 2018 |  |  |
| Deadline to Apply for Graduation [19] <br> (See also Grad Fair Dates [26] at Sun Devil Campus Bookstores) | October 1, 2018 |  |  |
| Fall Break - Classes Excused | October 6 - October 9, 2018 |  |  |
| Tuition Fee Payment Deadline - For registration from 9/19/2018 through 10/18/2018. For more information, see Tuition and Deadlines. [18] | October 25, 2018 |  |  |
| Course Withdrawal Deadline [15] | Session A <br> September 5, 2018 | Session B October 30, 2018 | $\begin{gathered} \text { Session C } \\ \text { October 31, } 2018 \end{gathered}$ |
| Veterans Day Observed - University Closed | November 12, 2018 |  |  |
| Thanksgiving Holiday Observed - University Closed | November 22-23, 2018 |  |  |
| Complete Session Withdrawal Deadline [20] <br> As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here. [21] | Session A October 5, 2018 | Session B <br> November 30, 2018 | Session C November 30, 2018 |


| Session A: Thursday, 08/16/2018 - Friday, 10/05/2018 <br> Session B: Wednesday, 10/10/2018 - Friday, 11/30/2018 <br> Session C: Thursday, 08/16/2018 - Friday, 11/30/2018 (Final Exams 12/03/2018-12/08/2018) |  |  |  |
| :---: | :---: | :---: | :---: |
| Classes End/ <br> Last Day to Process Transactions | Session A October 5, 2018 | Session B <br> November 30, 2018 | Session C <br> November 30, 2018 |
| Study Days | Session A N/A | Session B N/A | $\begin{gathered} \text { Session C } \\ \text { December 1-2, } \\ 2018 \end{gathered}$ |
| Final Exams [27] | Session A <br> Last day of classes | Session B <br> Last day of classes | $\begin{gathered} \text { Session C } \\ \text { December 3-8, } \\ 2018 \end{gathered}$ |
| Final Grades Due | Session A October 8, 2018 | Session B <br> December 3-10, 2018 | Session C December 3-10, 2018 |
| Commencement [28] - (Graduate and Undergraduate) | December 10, 2018 |  |  |
| Degree Conferral Date | December 10, 2018 |  |  |
| Grade Replacement/Academic Standing Processing | December 11-12, 2018 |  |  |
| Holiday Break - University Closed | December 24-25, 2018 |  |  |

## Spring 2019

Session A: Monday, 1/7/2019 - Tuesday, 2/26/2019
Session B: Monday, 3/11/2019 - Friday, 4/26/2019 (ASU Online and iCourses may end on Tuesday, 4/30/2019)
Session C: Monday, 1/7/2019 - Friday, 4/26/2019 (Final Exams 4/29/2019 - 5/4/2019)

| Schedule of Classes Available [12] | September 17, 2018 |  |  |
| :--- | :--- | :--- | :--- |
| Registration and Tuition Guide Available [22] | September 17, 2018 |  |  |
| Registration Dates Begin [13] | ASU Online students: September 24, 2018 <br> In-Person students: October 15, 2018 |  |  |
| \$50.00 Late Registration Fee Begins [14] (does not apply to ASU <br> Online students) | Session A <br> December 30, 2018 | Session B <br> March 3, 2019 | Session C <br> December 30, 2018 |
| Suggested Postmark Date to meet Payment Deadline | January 11, 2019 |  |  |

Session A: Monday, 1/7/2019 - Tuesday, 2/26/2019
Session B: Monday, 3/11/2019 - Friday, 4/26/2019 (ASU Online and iCourses may end on Tuesday, 4/30/2019)
Session C: Monday, 1/7/2019 - Friday, 4/26/2019 (Final Exams 4/29/2019 - 5/4/2019)

| Classes Begin | Session A January 7, 2019 | Session B March 11, 2019 | Session C January 7, 2019 |
| :---: | :---: | :---: | :---: |
| Academic Status Reports [23] - Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in My ASU within 24 hours after each weekly reporting period closes on Sundays | Session A <br> January 7 - <br> February 17, 2019 | Session B <br> March 11-April 14, 2019 | Session C <br> January 7 - April 14, 2019 |
| Extended Hours (Registration Sites Only) | TBD |  |  |
| Last Day to Register or Drop/Add Without College Approval [15] | Session A January 8, 2019 | Session B <br> March 12, 2019 | Session C <br> January 13, 2019 |
| Residency Classification Petition Deadline [16] | January 11, 2019 |  |  |
| Tuition \& Fees 100\% Refund Deadline - For more information see Tuition and Refund Policy. [17] Note: If you choose to drop a class [24] or withdraw from ASU [25] after this deadline, you may receive a bill for the financial aid used to cover those classes. | Session A <br> January 13, 2019 | Session B <br> March 17, 2019 | Session C <br> January 20, 2019 |
| Martin Luther King Jr. Holiday Observed - University Closed | January 21, 2019 |  |  |
| University 21st Day | Session A January 28, 2019 | Session B <br> April 1, 2019 | $\begin{gathered} \text { Session C } \\ \text { January } 28,2019 \end{gathered}$ |
| Deadline to Apply for Graduation | February 15, 2019 |  |  |
| University 45th Day | February 20, 2019 |  |  |
| Tuition Fee Payment Deadline - for registration from 1/19/2019 through 2/18/2019. For more information see Tuition and Deadlines [8] | February 25, 2019 |  |  |
| Spring Break - Classes Excused | March 3-10, 2019 |  |  |
| Tuition Fee Payment Deadline - for registration from 2/19/2019 through 3/18/2019. For more information see Tuition and Deadlines [8] | March 25, 2019 |  |  |
| Course Withdrawal Deadline [15] | Session A January 25, 2019 | Session B March 29, 2019 | $\begin{gathered} \text { Session C } \\ \text { March 31, } 2019 \end{gathered}$ |
| Complete Session Withdrawal Deadline [20] <br> As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here. [21] | $\begin{gathered} \text { Session A } \\ \text { February 26, } 2019 \end{gathered}$ | Session B April 26, 2019 | Session C <br> April 26, 2019 |

Session A: Monday, 1/7/2019 - Tuesday, 2/26/2019
Session B: Monday, 3/11/2019 - Friday, 4/26/2019 (ASU Online and iCourses may end on Tuesday, 4/30/2019)
Session C: Monday, 1/7/2019 - Friday, 4/26/2019 (Final Exams 4/29/2019 - 5/4/2019)

| Classes End/ <br> Last Day to Process Transactions <br> (Session B ASU Online \& iCourses may end Tuesday, 4/30/2019) | Session A <br> February 26, 2019 | Session B <br> April 26, 2019 | Session C <br> April 26, 2019 |
| :--- | :--- | :--- | :--- |
| Study Days | Session A <br> N/A | Session B <br> N/A | Session C <br> April 27-28, 2019 |
| Final Exams [27] | Last day of classes <br> Session A | Session B <br> Last day of <br> classes | Session C <br> April 29 - May 4, <br> 2019 |
| Final Grades Due | Session A <br> March 1, 2019 | Session B <br> April 29 - May 6, <br> 2019 | April 29-May 6, <br> 2019 |
| Commencement [28] - (Graduate and Undergraduate) |  | May 6, 2019 |  |
| Degree Conferral Date |  | May 6, 2019 |  |

## Summer 2019

| Session A: Monday, 5/20/2019 - Friday, 6/28/2019 <br> Session B: Wednesday, 7/3/2019 - Tuesday, 8/13/2019 <br> Session C: Monday, 5/20/2019 - Friday, 7/12/2019 |  |  |  |
| :---: | :---: | :---: | :---: |
| Schedule of Classes Available [12] | February 5, 2019 |  |  |
| Registration Begins [13] | February 6, 2019 |  |  |
| Suggested Postmark to Meet Tuition Fee Payment Deadline | TBD |  |  |
| Tuition Fee Payment Deadline - for more information see Tuition and Deadlines [8] | TBD |  |  |
| \$50.00 Late Registration Fee Begins [14] (does not apply to ASU Online students) | Session A TBD | Session B TBD | Session C <br> TBD |
| Classes Begin | Session A May 20, 2019 | Session B July 3, 2019 | Session C May 20, 2019 |
| Last Day to Register or Drop/Add Without College Approval [15] | Session A May 21, 2019 | Session B July 5, 2019 | Session C <br> May 21, 2019 |

Session A: Monday, 5/20/2019 - Friday, 6/28/2019
Session B: Wednesday, 7/3/2019 - Tuesday, 8/13/2019
Session C: Monday, 5/20/2019 - Friday, 7/12/2019

| Residency Classification Petition Deadline [16] | May 21, 2019 |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Tuition \& Fees 100\% Refund Deadline - For more information see Tuition <br> and Deadlines. [17] | Session A <br> TBD | Session B <br> TBD | Session C <br> TBD |
| Memorial Day Observed - No Classes | May 27, 2019 |  |  |
| Course Withdrawal Deadline [15] | Session A <br> June 9, 2019 | Session B <br> July 23, 2019 | Session C <br> June 9, 2019 |
| Deadline to Apply for Graduation | June 17, 2019 |  |  |

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

## Links:

[1] https://my.asu.edu/
[2] https://students.asu.edu/academic-calendar\#summer18
[3] https://students.asu.edu/academic-calendar\#fall18
[4] https://students.asu.edu/academic-calendar\#spring19
[5] https://students.asu.edu/academic-calendar\#summer19
[6] https://students.asu.edu/registrar-semester-calendar
[7] https://students.asu.edu/final-exam-schedule
[8] https://students.asu.edu/tuitiondeadlines
[9] https://students.asu.edu/financialaid/calendar
[10] https://students.asu.edu/cora/holidays
[11] https://students.asu.edu/academic-calendar\#top
[12] https://webapp4.asu.edu/catalog/
[13] https://students.asu.edu/registration
[14] https://students.asu.edu/tuitiondescriptions
[15] https://students.asu.edu/drop-add
[16] https://students.asu.edu/residency
[17] http://students.asu.edu/tuitionrefundpolicy
[18] http://students.asu.edu/tuitiondeadlines
[19] https://students.asu.edu/graduation
[20] https://students.asu.edu/drop-add\#comp\ wd
[21] http://students.asu.edu/forms/withdrawal
[22] https://students.asu.edu/registration-tuitionpayment-guide
[23] http://asu.force.com/kb/articles/FAQ/What-is-an-Academic-Status-Report
[24] http://students.asu.edu/policies/census
[25] http://students.asu.edu/policies/fa-withdrawal
[26] https://graduation.asu.edu/graduates/dressing
[27] https://students.asu.edu/final-exam-schedule\#Spring
[28] http://graduation.asu.edu/

## Residency

## Use the residency navigator to help determine your eligibility for residency

## Residency for Tuition Purposes

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

## Residency Navigator

We've designed this tool to help you determine which residency classification category may apply to you. Using the residency navigator will not have any influence on the outcome of your residency petition. It is not intended to predict whether your petition will be approved or denied.
[Archivist's Note: In-page Residency Navigator tool unable to be captured.]

## Residency Petition

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

## Independent Student

## Eligibility

You're considered an independent student if:

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

Read more about the specific requirements [4].

## Petition and Required Docs

Independent student petition:

- Gather the required documentation [5]. You may need certain documents to answer questions on the petition.
- Submit your petition online [6] and submit required documentation [5] to the Residency Classification office after your petition has been submitted.
- Your petition has a required $\$ 50$ fee [7].


## Deadlines

Submit your petition prior to the semester deadline.

- Remember, collecting all your required documents will take some time.
- Requests for reclassification will not be accepted after the posted deadlines for each semester [8].


## Dependent Student

## Eligibility

You're considered a dependent student if:

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

Read more about the specific requirements [4].

## Petition and Required Docs

Dependent student petition:

- Gather the required documentation [9]. You may need certain documents to answer questions on the petition.
- Submit your petition online [6] and submit required documentation [9] to the Residency Classification office after your petition has been submitted.
- Your petition has a required $\$ 50$ fee [7].


## Deadlines

Submit your petition prior to the semester deadline.

- Remember, collecting all your required documents will take some time.
- Requests for reclassification will not be accepted after the posted deadlines for each semester [8].


## Spouse

## Eligibility

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

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

Read more about the specific requirements [4].

## Petition and Required Docs

Spouse petition:

- Gather the required documentation [10]. You may need certain documents to answer questions on the petition.
- Submit your petition online [6] and submit required documentation [10] to the Residency Classification office after your petition has been submitted.
- Your petition has a required $\$ 50$ fee [7].


## Deadlines

Submit your petition prior to the semester deadline.

- Remember, collecting all your required documents will take some time.
- Requests for reclassification will not be accepted after the posted deadlines for each semester [8].


## Transferred Employee

## Eligibility

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

- were transferred to Arizona within the last 12 months
- can document that their employer paid their relocation expenses

Read more about the specific requirements [4].

## Petition and Required Docs

Transferred employee petition:

- Gather the required documentation [11]. You may need certain documents to answer questions on the petition.
- Submit your petition online [6] and submit required documentation [11] to the Residency Classification office after your petition has been submitted.
- Your petition has a required $\$ 50$ fee [7].


## Deadlines

Submit your petition prior to the semester deadline.

- Remember, collecting all your required documents will take some time.
- Requests for reclassification will not be accepted after the posted deadlines for each semester [8].


## Military

## Eligibility

Military members (and their spouses or dependents) qualify for residency by showing proof of one of the following:

- the military member is currently stationed in Arizona
- the military member's state of legal residence is Arizona.
- the student has demonstrated objective evidence of intent to be a resident of Arizona and is using transferred Post911 G.I. Bill benefits during a time in which the member of the uniformed services is serving on active duty
Read more about the specific requirements [4].


## Petition and Required Docs

Military petition:

- Gather the required documentation [12]. You may need certain documents to answer questions on the petition.
- Submit your petition online [6] and submit required documentation [12] to the Residency Classification office after your petition has been submitted.


## Deadlines

Submit your petition prior to the semester deadline.

- Remember, collecting all your required documents will take some time.
- Requests for reclassification will not be accepted after the posted deadlines for each semester [8].


## Veteran

## Eligibility

Veterans can qualify for residency in one of three ways:

- documenting that they were discharged with a character of service of honorable and demonstrating intent to be an Arizona resident
- documenting that they were discharged within three years of enrollment, showing their eligibility to use Ch. 30/33 benefits and demonstrating intent to be an Arizona resident
- documenting benefits under the Marine Gunnery Sergeant John David Fry Scholarship and demonstrating intent to be an Arizona resident

Read more about the specific requirements [4].

## Petition and Required Docs

Veterans' petition:

- Gather the required documentation [13]. You may need certain documents to answer questions on the petition.
- Submit your petition online [6] and submit required documentation [13] to the Residency Classification office after your petition has been submitted.


## Deadlines

Submit your petition prior to the semester deadline.

- Remember, collecting all your required documents will take some time.
- Requests for reclassification will not be accepted after the posted deadlines for each semester [8].


## Native American

## Eligibility

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

Read more about the specific requirements [4].

## Petition and Required Docs

Native American petition:

- Gather the required documentation [14]. You may need certain documents to answer questions on the petition.
- Submit your petition online [6] and submit required documentation [14] to the Residency Classification office after your petition has been submitted.


## Deadlines

Submit your petition prior to the semester deadline.

- Remember, collecting all your required documents will take some time.
- Requests for reclassification will not be accepted after the posted deadlines for each semester [8].


## Teacher

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

Read more about the specific requirements [4].

## Petition and Required Docs

## Teacher petition:

- Gather the required documentation [15]. You may need certain documents to answer questions on the petition.
- Submit your petition online [6] and submit required documentation [15] to the Residency Classification office after your petition has been submitted.


## Deadlines

Submit your petition prior to the semester deadline.

- Remember, collecting all your required documents will take some time.
- Requests for reclassification will not be accepted after the posted deadlines for each semester [8].


## AmeriCorps/VISTA

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

Read more about the specific requirements [4].

## Petition and Required Docs

AmeriCorps/VISTA petition:

- Gather the required documentation [16]. You may need certain documents to answer questions on the petition.
- Submit your petition online [6] and submit required documentation [16] to the Residency Classification office after your petition has been submitted.


## Deadlines

Submit your petition prior to the semester deadline.

- Remember, collecting all your required documents will take some time.
- Requests for reclassification will not be accepted after the posted deadlines for each semester [8].


## Requesting Residency Reclassification

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

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

## Common Residency Questions

Still have unanswered questions? Take a look through our frequently asked questions below to see if your question is listed there. If not, we're happy to help [17].

I INDICATED THAT I WAS AN ARIZONA RESIDENT ON MY ADMISSIONS APPLICATION, YET I AM CLASSIFIED AS A NON-RESIDENT AND WAS CHARGED THE NON-RESIDENT APPLICATION FEE? HOW CAN I FIX THIS?
Your residency classification is determined by a review of all of the information provided on your admissions application in accordance with guidelines provided by the Arizona Board of Regents. Your status as a non-resident is a result of one or more factors used to determine this classification. Please review the Residency Classification [18] web page and contact a residency specialist [19] if you have any questions.

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

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

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

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

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

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

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

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

More FAQs [20]

Source URL: https://students.asu.edu/residency

## Links:

[1] www.azregents.edu/board-committees/policy-manual
[2] https://www.azleg.gov/arstitle/
[3] https://students.asu.edu/non-resident-tuition-rate-arizon-high-school-graduates
[4] https://students.asu.edu/residency-requirements
[5] https://students.asu.edu/files/in_docs_feb1_2018.pdf
[6] https://go.oasis.asu.edu/residencypetition/
[7] https://students.asu.edu/residency-forms
[8] https://students.asu.edu/residency-deadlines
[9] https://students.asu.edu/files/de_docs_feb1_2018.pdf
[10] https://students.asu.edu/files/sp_docs_feb1_2018.pdf
[11] https://students.asu.edu/files/tr_docs_feb1_2018.pdf
[12] https://students.asu.edu/files/mi_docs_feb1_2018.pdf
[13] https://students.asu.edu/files/vt_docs_feb1_2018.pdf
[14] https://students.asu.edu/files/na_docs_feb1_2018.pdf
[15] https://students.asu.edu/files/tw_docs_feb1_2018.pdf
[16] https://students.asu.edu/files/am_docs_feb1_2018.pdf
[17] https://students.asu.edu/residency-contact
[18] https://students.asu.edu/residency
[19] mailto:residency@asu.edu
[20] https://students.asu.edu/faq/156

## Residency Requirements

## Student Types

Review the specific requirements for the student type you have chosen to petition as. Then read the residency guidelines below.

## Independent Student

You're considered an independent student if:

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

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

- Evidence indicating intent must exist at the beginning of and be maintained throughout the 12 month period of continuous presence needed to establish residency classification. Acts or events occurring less than 12 months before the last day of registration may be considered as evidence of the lack of such intent.
- A statement of intent by the student should be weighed in light of the fact that the student knows that he or she will realize a substantial reduction in tuition by being classified as a resident for tuition purposes.
- Each item presented for determination shall be subject to the classification officer's or review committee's decision as to the weight to be given to it, and such officer or committee shall be the sole judge of the authenticity or truthfulness of any material or statements submitted as supportive evidence. The classification officer may require original or certified copies of documentation.
- If a minor applies for classification as a resident and alleges that he or she is an emancipated individual, that individual must also establish that:
- He or she is not living with a parent; and
- There has been a complete severance of the parental relationship to all legal rights and liabilities, including but not limited to care, custody, control, and service.
Unless the contrary appears to the satisfaction of the classification officer or review committee making a classification determination, it shall be presumed that:
- No individual has established residency for tuition purposes in Arizona while attending any education institution in Arizona as a full-time student in the absence of objective evidence to the contrary.
- If an individual is absent from Arizona for more than 30 days they must provide objective evidence that they retained their Arizona domicile.
Subject to ABOR Policy 4-102, an individual who does not hold a visa that requires the individual to maintain a foreign domicile or that otherwise prohibits establishing domicile in Arizona shall be classified as a resident if the individual can establish that on or before the last day of registration, the individual satisfied one of the following criteria:

1. Meets the requirements for classification as a resident for tuition purposes, or
2. Qualifies as a resident refugee student by virtue of having been granted refugee status in accordance with all applicable laws of the United States and having met all other requirements for domicile in this Arizona; provided that in establishing domicile, the individual must not hold a visa that prohibits establishing domicile in Arizona.

## Dependent Student

You're considered a dependent student if:

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


## Spouse

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

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


## Transferred Employee

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

- were transferred to Arizona within the last 12 months
- can document that their employer paid their relocation expenses


## Military

Military members (and their spouses or dependents) qualify for residency by showing proof of one of the following:

- the military member is currently stationed in Arizona
- the military member's state of legal residence is Arizona.
- the student has demonstrated objective evidence of intent to be a resident of Arizona and is using transferred Post911 G.I. Bill benefits during a time in which the member of the uniformed services is serving on active duty


## Veteran

Veterans can qualify for residency in one of three ways:

- documenting that they were discharged with a character of service of honorable and demonstrating intent to be an Arizona resident
- documenting that they were discharged within three years of enrollment, showing their eligibility to use Ch. 30/33 benefits and demonstrating intent to be an Arizona resident
- documenting benefits under the Marine Gunnery Sergeant John David Fry Scholarship and demonstrating intent to be an Arizona resident


## Native American

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

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


## Americorp/Vista

This exception applies to students that have served one year in Arizona in either an AmeriCorps or Volunteers in Service to America (VISTA) program.
You will need to provide a letter on letterhead from the sponsoring organization that confirms your dates of participation

## Teacher

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

You must provide a copy of your current contract and a list of courses required for certification.
Teacher waivers are effective only for the semester for which they are submitted. A new waiver request should be submitted for subsequent semesters.

## Residency Guidelines

In Arizona, as in all other states, tuition at publicly supported universities is lower for residents than nonresidents. Residency classification is determined for all students in accordance with guidelines provided by the Arizona Board of Regents' (ABOR) [1], which reflect current Arizona revised statutes [2]. Students that are classified as non-residents can request reclassification and must support their request with documentation that shows compliance with ABOR policy and current state law.

- The residency application is only available to current, active, non-resident students. Students admitted for future semesters may not be able to access the application until after term activation (which occurs shortly before a student is given the ability to register for future terms).
- New students must be admitted and matriculated before they can access the residency reclassification application to initiate the residency petition process.
- Continuing students may access future residency reclassification applications once a student is able to register for that future term.

Your request and supporting documents will be evaluated by a residency specialist.

- All correspondence is sent to the student's contact information on file with the University. Review and update your contact information from My ASU [3].
- Submission of a residency reclassification application and applicable required documentation does not guarantee an approval of residency.

Misrepresentation or falsification of information may be costly. Students who have omitted, falsified or misrepresented any information in effort to obtain resident status will be referred to Student Rights and Responsibilities [4] for disciplinary action and may be denied the opportunity to request reclassification for current and future terms.
The residency reclassification application and the required documentation must be submitted to complete the residency petition and to initiate the review of the student's residency reclassification request.
The supporting documentation checklist is not the petition. The checklist is provided to help organize documents and keep track of what has been submitted.

## Processing Time

Processing times vary and are largely dependent on when a request and all required documents are submitted. In general, requests are evaluated within 4-6 weeks of submission, but may take significantly longer if the request is submitted after August 1 (for fall) or January 1 (for spring). Submitting everything requested offers no guarantee of approval. Petitions are processed in the order they are received.
Students needing a decision prior to the first day of classes should submit their request by the priority deadline.

## Checking your Petition Status

Requests are reviewed in the order they are received and are reviewed only after all supporting documents are received.
You can monitor the status of your petition from the residency reclassification application portal [5].
The status of your request will be one of the following:

- Submitted: Your request has been submitted and received by the residency office.
- In Queue: Documents supporting your request have been received, but have not yet been reviewed by an evaluator.
- Documents Needed: Your request has been reviewed by the residency office but you have not yet submitted all required documentation.
- Contact Residency: Your request is under review and we need to speak with you. Please contact the residency office at 480-965-7712.
- Pending: New documents supporting your request have been received, but have not yet been reviewed by an evaluator.
- In Review: Your request is under review and no further action is required from you at this time. A decision or contact from the Residency office should occur within 10 days.
- Approved: Your request was approved and your status has been changed to resident. You will receive formal notification of your approval.
- Denied: Your request was denied. An email will be sent to your ASU email address with additional information.
- Withdrawal Warning: Your supporting documentation has not been provided. If documents are not received within the next seven days, your petition will be withdrawn.
- Withdrawn: Your request has been withdrawn from consideration and will not be evaluated.

If your request for reclassification is denied, you can request an appeal_[6]. Your denial letter will include a summary of our decision and an appeal deadline. Your request for a hearing should also be made as soon as possible. Requests made after the deadline will not be granted.

## Tuition and Fees

You are responsible for paying all tuition and fees by the tuition deadline date. Having a request for reclassification pending does not waive this responsibility. Tuition balances not paid in full by the tuition deadline will be subject to late fees and payment plans per University policy. If your petition is approved, a refund of the tuition difference will be generated; however, late fees, if applied are not refunded.

There are no exceptions granted due to unusual circumstances or financial hardship. ABOR policy defines the circumstances under which a student can be classified as a resident for tuition purposes and the residency office does not have the authority to make exceptions.
There is a $\$ 50$, non-refundable fee required if you are requesting reclassification as an independent student, dependent student, spouse or transferred employee. A receipt confirming payment of this fee should be included with your submitted documentation. Your account will be billed by the residency office if a decision on your request is rendered and you have not provided proof of payment.

## Financial Aid

Financial aid is calculated differently for residents and nonresidents. This means that if your status changes, your financial aid will be adjusted accordingly. Your aid may be reduced or cancelled and you may be required to return funds already disbursed to you. If you have questions, contact Financial Aid and Scholarship Services [7].

## Citizenship and Lawful Immigration Status

Proposition 300 requires all students who are classified as residents for tuition purposes, to provide verification of citizenship, permanent residency or other lawful immigration status. Students that cannot verify their lawful presence cannot be classified as residents for tuition purposes. Visit Citizenship/Lawful Immigration Status [8] for additional information.

## Visa Types and Residency

Only persons who are entitled to reside permanently in the U.S. are eligible to be residents for tuition purposes. These students must still prove they also meet current ABOR guidelines for residency. Temporary, non-immigrant visas do not allow an individual to obtain a permanent status in Arizona regardless of the length of the visa or the number of times it is renewed. Resident students that are issued a non-eligible visa type will be changed to non-resident. Please see visa types and residency eligibility list [9] for additional information.

## Additional Information

Arizona Board Of Regents (ABOR) Policy Manual, Section B: Tuition Classification (4.201-208) [10]
Arizona Revised Statutes - Title 15 (A.R.S. 15-1801 to 1807) [2]
Verification of Citizenship or Lawful Presence [8]

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

## Links:

[1] http://www.azregents.edu/board-committees/policy-manual
[2] http://www.azleg.gov/ArizonaRevisedStatutes.asp?Title=15
[3] https://weblogin.asu.edu/cas/login
[4] http://www.asu.edu/studentaffairs/index.htm
[5] https://www.asu.edu/go/residencypetition
[6] https://students.asu.edu/residency-appeal
[7] https://students.asu.edu/contact/financialaid
[8] https://students.asu.edu/statusverification
[9] https://students.asu.edu/forms/visa-types-and-residency-eligibility
[10] https://www.azregents.edu/board-committees/policy-manual

## Residency Appeal

## Appeal

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

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


## Appeal Deadlines

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

| Semester | Appeal Deadline |
| :---: | :---: |
| Spring 2018 | Feb. 18, 2018 |
| Summer 2018 | June 21, 2018 |
| Fall 2018 | Sept. 26, 2018 |

## The Appeal Process

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

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

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

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

You will receive notification of the date, time and place of the appeal two weeks prior to the hearing. During this time, make arrangements with any outside conflicts, such as work or witness availability. Rescheduling due to these conflicts may not be an option.
Students with pending appeals are subject to petition deadlines for future terms. The decision to petition for future terms must be made prior to the posted deadline for the given term regardless of the appellant's status with any pending appeal.

## Appeal Hearing

Appeal hearings are scheduled on a first-come, first-served basis. All students are encouraged to submit their appeal requests within seven days of notification of denial. Prompt requests will be given priority. In all situations, your appeal will be scheduled to avoid conflicts with your current class schedule. Unfortunately, non-course conflicts cannot be considered.
Hearings may be scheduled during spring, fall and winter breaks. If you are going to be out of town during that time, notify the office when you submit your appeal form. Rescheduling due to travel may not be an option. Once an appeal has been scheduled, cancellations or changes must be submitted in writing to the Residency Classification Office no later than five business days before the scheduled appeal hearing date.
All appeal hearings are open meetings and anyone may attend. To comply with the Arizona Open Meeting law, you must consent to have your information heard by all those in attendance by signing a FERPA waiver (Family Educational Rights and Privacy Act of 1974). Students can elect to be represented by an advisor or counsel at their expense. Please inform the Residency Classification Office if you plan to attend with representation.

## Appeal Decision

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

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

## Source URL: https://students.asu.edu/residency-appeal

## Links:

[1] https://www.azregents.edu/board-committees/policy-manual
[2] https://students.asu.edu/forms/residency-appeal-form

## Residency Deadlines

## Deadlines

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

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

| Semester | Petition Deadline | Priority Deadline ${ }^{\mathbf{1}}$ |
| :---: | :---: | :---: |
| Summer 2018 | May 17, 2018 | April 1, 2018 |
| Fall 2018 | Aug. 22, 2018 | June 1, 2018 |
| Spring 2019 | Jan. 11, 2019 | Nov. 1, 2018 |

${ }^{1}$ Petitions submitted after this date will be reviewed in the order in which they are received and may not be evaluated until after classes begin.

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

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

Source URL: https://students.asu.edu/residency-resources-and-forms

## Residency Forms

## Residency Petition

Begin the petition process with the residency navigator [1] to help determine your petition type.
Your petition is completed online and should be submitted prior to paying fees or submitting supporting documentation.

## Petition Documents and Fees

Once you have chosen the best petition type for your situation, your petition must be supported by appropriate documentation. Supporting documentation is based on your petition type. If you don't submit documentation, your petition will be denied or withdrawn.

Documents can be submitted in-person at any University Registrar Services location [2] or electronically as email attachments to residencydocs@asu.edu [3]. Don't confuse the checklists below with your petition — they go together, but are not the same thing. Use the document checklist to stay organized and keep track of what you've submitted.

## \$50 Fee Required

Independent Student [4]
Dependent Student [5]
Spouse of an Arizona Resident [6]
Transferred Employee [7]

## No Fee

Military Exception Checklist [8]
Veteran Exception Checklist [9]
Native American Exception Checklist [10]
Teacher Waiver Checklist [11]
AmeriCorps/VISTA Exception Checklist [12]
Petition fees can be paid at the Student Account and Cashiering Services [13]. A copy of your receipt must be given to the residency office to confirm payment. The Residency Classification Office cannot accept or process fee payments.

## Things to Know

- Petitions are processed in the order they are received. Submit your petition and supporting documents as early as possible.
- When you submit a petition, a priority task will appear in My ASU [14] to remind you to support your petition with appropriate documentation. Once we have what we need, this task will be removed.
- The university considers all information relevant to your request. We will verify the authenticity of all documents provided and may seek additional information. If you can't provide something, please explain what is missing and why.
- Documents must be legible. Originals are not required.
- Submitting documents electronically carries some risk and students are advised to redact sensitive information prior to submission.
- Please do not use three-ring binders or have your documents spiral bound.
- Additional documents may be requested by the Residency Classification Office.
- The burden of proof belongs to the student. It is your responsibility to support your petition with appropriate documentation.
- Applications and accompanying documentation will be retained by Arizona State University in accordance with university-approved requirements. All information will be kept confidential as required by law and university policy.


## Resources

- Moving to Arizona? Arizona Department of Revenue [15]
- New to Arizona? Arizona Motor Vehicle Division [16]
- Request a copy of an Arizona tax return from the Arizona Department of Revenue [17]
- Request a motor vehicle record from the Arizona Motor Vehicle Division [18]
- Request a tax transcript from the Internal Revenue Service [19]
- U.S. Citizenship and Immigration Services [20]
- Deferred Action for Childhood Arrivals (DACA) [21]
- Arizona Board of Regents Residency Classification [21]

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

## Links:

[1] https://students.asu.edu/residency
[2] https://students.asu.edu/residency-contact
[3] mailto:residencydocs@asu.edu?subject=Residency Documentation
[4] http://students.asu.edu/files/in_docs_feb1_2018.pdf
[5] http://students.asu.edu/files/de_docs_feb1_2018.pdf
[6] http://students.asu.edu/files/sp_docs_feb1_2018.pdf
[7] http://students.asu.edu/files/tr_docs_feb1_2018.pdf
[8] https://students.asu.edu/files/mi_docs_feb1_2018.pdf
[9] https://students.asu.edu/files/vt_docs_feb1_2018.pdf
[10] https://students.asu.edu/files/na_docs_feb1_2018.pdf
[11] https://students.asu.edu/files/tw_docs_feb1_2018.pdf
[12] https://students.asu.edu/files/am_docs_feb1_2018.pdf
[13] https://students.asu.edu/tuitionandbillingcontact
[14] http://my.asu.edu
[15] https://azdor.gov/individual-income-tax-information/moving-arizona
[16] www.azdot.gov/mvd/driver-services/NewtoAZ
[17] https://azdor.gov/forms/other-forms/request-copies-tax-documents
[18] www.azdot.gov/mvd/driver-services/driver-license-information/motor-vehicle-records
[19] www.irs.gov/Individuals/Get-Transcript
[20] www.uscis.gov
[21] www.dhs.gov/deferred-action-childhood-arrivals

## Frequently Asked Questions - Declaring Arizona Residency

1. I indicated that I was an Arizona resident on my admissions application, yet I am classified as a non-resident and was charged the non-resident application fee. How can I fix this?
2. I am currently attending a community college in Arizona as a resident; does that make me a resident at ASU?
3. I am a continuing student; will my residency automatically change after one year?
4. I was born and raised in Arizona then left for a short period of time before returning, can I still be classified as an Arizona resident for tuition purposes?
5. My parent is an ASU alumnus; does it have any effect on my residency classification?
6. Does living in Arizona with a relative other than my parents have any effect on residency status?
7. I am a dual resident of Arizona; can I be considered a resident for tuition purposes?
8. My parents live out-of-state but I attend an Arizona high school; will I be considered a resident if I graduate from an Arizona high school?
9. I attended an Arizona institution using the WUE (Western University Exchange) or WICHE (Western Interstate Commission for Higher Education) program; will I be considered a resident?
10. Are there any hardship exceptions?
11. I own property in Arizona; doesn't that make me a resident?
12. If I marry an Arizona resident, can I be classified as a resident?
13. I am a research assistant, teaching assistant or graduate assistant and have been paying resident tuition. Am I a resident?

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

Your residency classification is determined by a review of all of the information provided on your admissions application in accordance with guidelines provided by the Arizona Board of Regents. Your status as a non-resident is a result of one or more factors used to determine this classification. Please review the Residency Classification [1] web page and contact a residency specialist [2] if you have any questions.
I am currently attending a community college in Arizona as a resident; does that make me a resident at ASU?
Not necessarily. Residency for tuition purposes for the three state universities is determined according to guidelines established by the Arizona Board of Regents (ABOR). The community colleges are not governed by ABOR and your classification as a resident at the community college may or may not be in compliance with current ABOR policies.

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

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

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

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

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

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

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

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

I am a dual resident of Arizona; can I be considered a resident for tuition purposes?
No. Any person wishing to be classified as a resident would need to provide objective evidence of intent to be a permanent resident of Arizona and demonstrate that all ties to the former state have been severed.

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

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

I attended an Arizona institution using the WUE (Western University Exchange) or WICHE (Western Interstate Commission for Higher Education) program; will I be considered a resident?
The WUE/WICHE program allows residents of a participating state to pay a special, reduced tuition rate at participating institutions in other states. However, the student must maintain residency in the originating state. In other words, by participating as a WUE/WICHE student you are affirming that you are not an Arizona resident. ABOR requirements for physical presence and intent to be an Arizona resident cannot be satisfied as a WUE/WICHE student. Refer to the ASU WUE page for more information.

## Are there any hardship exceptions?

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

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

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

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

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

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

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

Source URL: https://students.asu.edu/faq/156
Links:
[1] https://students.asu.edu/residency
[2] mailto:residency@asu.edu
[3] https://students.asu.edu/non-resident-tuition-rate-arizona-high-school-graduates

## Residency Contact

## Contact Us

Phone
480-965-7712

## Email

Send questions to residency@asu.edu [1].
Send documents to residencydocs@asu.edu [2].

## Mail

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

## In-Person

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

## FAQs

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

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

## Links:

[1] mailto:residency@asu.edu
[2] mailto:residencydocs@asu.edu
[3] https://students.asu.edu/faq/156

## Verification of Citizenship or Lawful Immigration Status

Arizona law requires students who are seeking consideration for in-state tuition status or aid that is funded in part or in whole by state money to provide verification of citizenship, permanent residency or other lawful immigration status. Students that need to verify lawful immigration status are notified via To Do or Hold items in My ASU [1].

All students are advised to complete this requirement as early as possible using one of the options described below (F1/J1 International students should wait until after they arrive on campus). Processing time is approximately 2-3 business days from the date documentation is submitted.

## Verification Process

## Option 1: Free Application for Federal Student Aid (FAFSA)

The easiest (and preferred) method of verification for most students is the Free Application for Federal Student Aid (FAFSA). Students verified via the FAFSA do not need to provide any additional documentation. The My ASU task is cleared when Financial Aid and Scholarship Services receives and accepts your FAFSA (typically 5-7 days after the FAFSA is submitted to the US Department of Education). To ensure timely completion of this item, all students are encourage to submit the FAFSA as early as possible (the priority filing date is January 1). This My ASU task is not cleared if the student's FAFSA is rejected by Financial Aid and Scholarship Services until corrections to the FAFSA are made.

## Option 2: Submit Verification Documents [2]

If you are not verified through the FAFSA process then you will need to submit your documents online [3], by mail or email.

Email to: registrar@asu.edu [4]
Mail to:
Arizona State University
University Registrar Services
P.O. Box 870312

Tempe, AZ 85287-0312
If you submit your documents by email or mail, you must include a signed copy of your Verification Form [5] along with a legible image of acceptable documentation.
If your status is not verified you will be charged non-resident tuition. It is your responsibility to review your status and provide appropriate information in order to ensure your tuition status accurately reflects your standing.
If you have questions about the verification process or concerns about the ability to provide documentation, contact University Registrar Services at 480-965-3124 as soon as possible.

## Acceptable Documents for Verifying Citizenship or Other Lawful Immigration Status

The following documentation may be accepted as evidence of citizenship, permanent residence, or lawful immigration status. This list represents the most common types of documents acceptable for verifying status. Contact University Registrar Services at 480-965-3124 for information about additional forms of documentation.

## Acceptable Documents (Subject to Change)

- Current/valid Arizona Motor Vehicle Department Driver License/Identification Card (issued October 1, 1996 or later)
- Current/valid Driver's License, Instructor Permit or Non-Operator Identification card from a U.S. state (issued since 2000 or later). States for which licenses are not acceptable as a primary source of verification: Hawaii, Maryland, Massachusetts, Michigan, New Mexico, North Carolina, Oregon, Texas, Utah, and Washington, as these states do not verify lawful immigration status in the U.S.
- Bureau of Indian Affairs/Tribal identification card
- Signed U.S. Passport (current or expired) - unless stamped non-citizen national
- Signed Unexpired Foreign passport with U.S. Visa, with I-551 stamp or attached
- Signed Certificate of U.S. Citizenship (Form N-560 or N-561) issued by USCIS through a federal or state court or through administrative naturalization after December 1990
- Signed Certification of Naturalization (Form N-550 or N-570) issued by USCIS
- Permanent Resident Card with photograph (Form I-151) issued since 1997 or later
- Resident Alien Card (Form I-551) issued before 1997
- Alien Registration Receipt Card with photograph (Form I-551) issued prior to June 1978
- U.S. Military card or draft record
- U.S. Armed Forces Driver's License


## Acceptable documents that may be used if submitted with a legible copy of a valid photo ID

- U.S. Military DD-214 documentation ID Card for active duty, reserve or retired
- Birth Certificate showing birth in the United States, which includes Puerto Rico (on or after January 13, 1941), Guam, the U.S. Virgin Islands (on or after January 17, 1917), American Samoa, Swains Island, or the Northern Mariana Islands, unless the person was born to foreign diplomats residing in the US
- Affidavit of birth
- Tribal Certificate of Indian Blood
- Consular Report of Birth Abroad (Form FS-240) Issued by State Department
- Certificate of Birth from Foreign Service Post (Form FS-545) Issued by State Department
- Certification of Report of Birth (Form DS-1350) Issued by State Department
- Refugee Travel Document (Form l-571) Issued since 2003
- Form I-94 arrival/departure record with endorsement (expiration date must not have passed); stamp showing admission under section 207 (refugees) or section 208 (asylee) of the Immigration Nationality Act
- Voter's Registration Card
- Military dependent's ID card

Source URL: https://students.asu.edu/verification-citizenship-or-lawful-immigration-status

## Links:

[1] https://my.asu.edu/
[2] https://students.asu.edu/forms/citizenshipstatus-verification-form
[3] http://webforms.asu.edu/eform/submit/citizenship-verification
[4] mailto:registrar@asu.edu?subject=Verification\%20of\%20Citizenship\%2FLawful\%20Presence\%20
[5] https://students.asu.edu/sites/default/files/citzenshipstatusverification10132017.pdf

## Tuition and Fees

To view current year tuition and fees, please visit the Tuition and Cost Calculator [1].
To view historical information about tuition and fees, please visit Tuition and Fees Schedule [2].
All amounts shown in the Tuition and Fees Schedules or in other university publications or Web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with board policy, and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.
Tuition charges will be billed on your student account and may be viewed online through My ASU [3] after registration. See Billing [4] for information on how to pay your tuition and fees.

## ASU Payment Plan

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

## Leaving ASU

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

## IRS Form 1098-T

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

## Source URL: https://students.asu.edu/tuitionandfees

## Links:

[1] https://students.asu.edu/costs
[2] http://catalog.asu.edu/tuitionandfees
[3] http://my.asu.edu/
[4] https://students.asu.edu/tuitionandbilling
[5] https://students.asu.edu/paymentplan
[6] https://students.asu.edu/tuitiondeadlines
[7] https://students.asu.edu/tuitionrefundpolicy
[8] https://students.asu.edu/form1098t

## Tuition and Fee Descriptions

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

## Differential Tuition and Program Tuition

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

## Excess Hours Tuition

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

## Special Class, Hybrid, oCourse \& iCourse Fees

Special Class, Hybrid, ocourse and iCourse fees are assessed based on enrollment in specific classes. These fees are published with each class through Class Search [3].

## Technology Fee

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

## Late Registration Fee

All students who register beginning the week before the first day of the semester will be assessed a late registration fee of $\$ 50.00$, with the exception of students enrolling only in late start sessions. Students enrolling exclusively in late start sessions, will be assessed the late registration fee beginning one week before the session start date. Please see Tuition Deadlines [5] for specific dates. Registration after the published deadline may be permitted under extraordinary circumstances if approved by an authorized College designee. Late fees are not refundable.

## Recreation Fee

The Recreation Fee supports programs and services at the Sun Devil Fitness Centers. Funds are used to provide intramurals, student employment opportunities, a broad array of fitness classes and workshops, events and programs. For more information, click here [6].

## Student Service Facility Fee

The Student Service Facility Fee allows for the enhancements of existing facilities and the planning and development of new student service facilities to meet the needs of a growing student population. For a list of facilities built and supported by the fee, click here. [7]

## Student Programs Fee

The Student Programs fee provides funding for student programming initiatives. Managed by student government at each location, this fee is used to generate value added programming that supports ASU student needs and interests. This includes routine appropriations to clubs and organizations. For more information, click here [8].

## Health and Wellness Fee

The Health and Wellness Fee supports the operation of ASU Health Services. Funding supports health education and promotion, primary care, acute emergency care services, travel medicine services, nutritional counseling and high demand specialty care. For more information, click here. [9]

## Student Athletic Fee

The Student Athletic Fee provides cost free unlimited access to all regular season ASU sports, insures students have access to $25 \%$ of the seating in all athletic venues and insures that tuition revenue will only support core academic programs and services. For more information, click here [10].

## Financial Aid Trust Fee

Student Financial Aid Trust grants are assistance provided in partnership between ASU students and the state legislature. All students are assessed a mandatory financial aid trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund, from which Financial Aid Trust Grants are awarded under the usual aid eligibility criteria. Fees collected from students are matched by the State of Arizona. For more information, please visit the Financial Aid Trust Grant [11] website.

## Resident Surcharge Fee

The Resident Surcharge Fee is a per semester fee assessed to resident students during the 2017/18 school year. The Resident Surcharge Fee will partially offset state budget reductions to maintain and achieve current academic goals and standards.

Source URL: https://students.asu.edu/tuitiondescriptions

## Links:

[1] http://www.asu.edu/admissions/tuitionandfees/
[2] https://students.asu.edu/tuitionsurcharge
[3] https://www.asu.edu/go/classsearch/
[4] https://eoss.asu.edu/technologyfee
[5] https://students.asu.edu/tuitiondeadlines
[6] https://eoss.asu.edu/recfee
[7] https://eoss.asu.edu/facilityfee
[8] https://eoss.asu.edu/studentprogramsfee
[9] https://eoss.asu.edu/hwfee
[10] https://eoss.asu.edu/athleticsfee
[11] https://students.asu.edu/grants/trust

## Professional Flight Program Fee Schedules

## Background

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

## Establishment of a Two-Track System

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

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

The following two tables summarize the class structure and corresponding fees:
Fee tables coming soon.

Source: Pat Tillman Veterans Center

## Tuition Refund Policy

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

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


## Fall and Spring Semester Classes

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


## Summer Session Classes

- The $100 \%$ refund period is the first five days of the applicable summer session. This includes Sessions A, B, C and dynamically dated classes.
- For classes that begin prior to the first day of the regular semester, the applicable $100 \%$ refund period begins on the class start date not the semester start date.
Students are required to pay tuition and fees owed for enrollment cancellations that occur after the refund period.


## Medical or Compassionate Withdrawals

Students withdrawing for medical circumstances or other extenuating circumstances must contact their college to initiate the process. Approved medical or compassionate withdrawals [1] are eligible for up to an $80 \%$ refund of tuition if approved within two years of the end of the semester. No tuition refund is provided thereafter.
For specific semester or session deadlines, please refer to Tuition Dates and Deadlines [2].

Source URL: https://students.asu.edu/tuitionrefundpolicy

## Links:

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

## Undergraduate Excess Hours Tuition

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

## Exemptions

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

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

## Tuition Waivers and Scholarships

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

## Academic Year 2017-2018 Rates

For resident students the surcharge is $\$ 140$ per credit hour up to a maximum of $\$ 980$ for enrollment in seven or more hours. For nonresident students the surcharge is $\$ 222$ per credit hour up to a maximum of $\$ 2,664$ for enrollment in 12 or more credit hours. For online students, the excess hours tuition rate is $\$ 102$ per credit hour up to a maximum of $\$ 1,224$ for enrollment in 12 or more credit hours.

Source URL: https://students.asu.edu/tuitionsurcharge

## Polytechnic \& West Campus Tuition Discounts

Beginning in fall 2011, undergraduate freshmen and sophomores in the New College of Interdisciplinary Arts and Sciences [1]and the Polytechnic School [2] are eligible to receive a $10 \%$ reduction in base tuition. To receive this discount, students must meet the following requirements:

- Admitted in fall 2011 or later.
- Freshman or sophomore academic standing.
- Admitted to a program in the New College of Interdisciplinary Arts and Science or the Polytechnic School.
- If admitted to the Polytechnic School, all classes must be taken at the Polytechnic campus.
- If admitted to the New College of Interdisciplinary Arts and Sciences, all classes must be taken at the West campus.
Enrollment in iCourses does not affect eligibility for the discount. This discount will not be extended to students already receiving the Western Undergraduate Education (WUE) discount.

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

Source URL: https://students.asu.edu/tuitionpolywest

## Links:

[1] http://newcollege.asu.edu/
[2] http://poly.engineering.asu.edu/
[3] https://catalog.asu.edu/tuitionandfees/
[4] https://students.asu.edu/costs

## Tuition Payment with Financial Aid

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

- For students who have accepted financial aid and it is sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no action is necessary.
- For students with accepted financial aid that is insufficient to cover tuition charges, the payment deadline is extended.
For tuition due dates, visit Tuition Dates and Deadlines [1].
If financial aid is not awarded and accepted by the tuition due date, tuition charges must be paid to avoid automatic enrollment in the ASU Payment Plan [2] and assessment of the non-refundable tuition installment plan fee of $\$ 100$ for resident students and $\$ 200$ for nonresident students.
Class enrollment completes the registration process. If you decide not to attend classes, you must officially withdraw from the University. Classes will be held even if aid becomes unavailable or is inadequate to pay all tuition and fees. Registration will not be automatically cancelled during the tuition refund period.


## Refunds by Direct Deposit

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

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

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

## Taxability of Scholarships and Fellowships

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

## Paying for Past Due Charges with Future Semesters Financial Aid

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

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

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

## Financial Assistance Withdrawal Policy

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

## Official Complete Withdrawal

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

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

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

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

Source URL: https://students.asu.edu/financialaidpayment

## Links:

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

## Qualified Tuition Reduction

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

## Eligibility

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

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

## Qualified Tuition Reduction Form

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

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

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

## NAU \& U of A Classes

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

Source URL: https://students.asu.edu/tuitionreduction

## Links:

[1] http://www.asu.edu/aad/manuals/spp/spp505.html
[2] https://students.asu.edu/scholarships/renewal
[3] http://www.asu.edu/hr/forms/
[4] mailto:tuitionreduction@asu.edu

## Tuition Receipt

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

## How to View Your Tuition Receipt

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

To print, click Printer Friendly Page.

Source URL: https://students.asu.edu/tuitionreceipt
Links:
[1] http://my.asu.edu

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

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

## Arizona Board of Regents (ABOR) Policy

A. A student who graduated from an Arizona high school, but is not otherwise eligible for resident tuition status will be eligible for a non-resident undergraduate tuition rate of $150 \%$ of undergraduate resident tuition, if the following conditions are met:

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

## ASU Procedure for Applying

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

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

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

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

## Residency Classification and Financial Aid

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

Source URL: https://students.asu.edu/non-resident-tuition-rate-arizona-high-school-graduates

## Links:

[1] https://students.asu.edu/admission-transcripts
[2] mailto:residency@asu.edu
[3] https://students.asu.edu/verification-citizenship-or-lawful-immigration-status
[4]
https://students.asu.edu/sites/default/files/application_for_nr_tuition_rate_for_arizona_high_school_graduates_june13_20 18.pdf
[5] https://students.asu.edu/residency
[6] https://students.asu.edu/financialaid

## Tuition and Fees Schedules

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

## Program Specific Tuition and Fees

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

Source URL: https://catalog.asu.edu/tuitionandfees/fees_fall2018

## Links:

[1] http://students.asu.edu/costs

## Fall 2018 and Spring 2019 Tuition and Fees Schedules

## General Tuition \& Fees Undergraduate Degree Program All Campuses

| RESIDENT |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | $7 \&$ <br> Over |
| Resident Undergraduate Tuition | $\$ 702$ | $\$ 1,404$ | $\$ 2,106$ | $\$ 2,808$ | $\$ 3,510$ | $\$ 4,212$ | $\$ 4,917$ |
| Resident Surcharge | 19 | 38 | 57 | 76 | 95 | 114 | 135 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 |


| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 |
| Total Undergraduate Resident Tuition \& Fees ${ }^{(1)(2) ~(3) ~(4) ~(5) ~}$ | \$925 | \$1,646 | \$2,367 | \$3,088 | \$3,809 | \$4,530 | \$5,411 |


| NON-RESIDENT | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | $12 \text { \& }$ <br> Over |
| Non-Resident Undergraduate Tuition | \$1,151 | \$2,302 | \$3,453 | \$4,604 | \$5,755 | \$6,906 | \$8,057 | \$9,208 | \$10,359 | \$11,510 | \$12,661 | \$13,809 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| Student <br> Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 30 | 30 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 | 55 | 55 | 55 | 55 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 | 25 | 25 | 25 | 25 | 25 |
| Total <br> Undergraduate Non-Resident Tuition \& Fees ${ }^{(1)(2)(3)(4)(5)}$ | \$1,355 | \$2,506 | \$3,657 | \$4,808 | \$5,959 | \$7,110 | \$8,416 | \$9,567 | \$10,718 | \$11,869 | \$13,020 | \$14,168 |


| INTERNATIONAL | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | $12 \text { \& }$ <br> Over |
| International Undergraduate Tuition | \$1,243 | \$2,486 | \$3,729 | \$4,972 | \$6,215 | \$7,458 | \$8,701 | \$9,944 | \$11,187 | \$12,430 | \$13,673 | \$14,917 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 30 | 30 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 | 55 | 55 | 55 | 55 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 | 25 | 25 | 25 | 25 | 25 |
| Total Undergraduate International Tuition \& Fees ${ }^{(1)(2)}$ (3) (4) (5) | \$1,447 | \$2,690 | \$3,933 | \$5,176 | \$6,419 | \$7,662 | \$9,060 | \$10,303 | \$11,546 | \$12,789 | \$14,032 | \$15,276 |

${ }^{(1)}$ Music Fees \& Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.
${ }^{(2)}$ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is $\$ 140$ per credit hour up to a maximum of $\$ 980$ for enrollment in seven or more hours. For nonresident students the excess hours tuition is $\$ 230$ per credit hour up to a maximum of $\$ 2,760$ for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees [1] for additional information regarding the Undergraduate Excess Hours Tuition.
${ }^{(3)}$ Students admitted to Barrett, the Honors College are assessed a $\$ 750$ honors fee each fall and spring semester in addition to the tuition and fees presented above.
${ }^{(4)}$ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.
${ }^{(5)}$ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Source URL: https://catalog.asu.edu/tuitionandfees/fall18undergraddegreeprogallcampus

## Links:

[1] https://students.asu.edu/tuitionandfees

General Tuition \& Fees

## Undergraduate Degree Program

## Online Campus

| RESIDENT | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| Resident Undergraduate Online Tuition | \$520 | \$1,040 | \$1,560 | \$2,080 | \$2,600 | \$3,120 | \$3,640 | \$4,160 | \$4,680 | \$5,052 | \$5,052 | \$5,052 | \$5,052 | \$5,052 | \$5,052 | \$5,052 | \$5,052 | \$5,052 |
| $\begin{array}{\|l} \text { Technology } \\ \text { Fee }^{(4)} \end{array}$ | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student <br> Programs Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student Service Facility Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student <br> Athletics Fee (1) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health \& Wellness Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial Aid Trust ${ }^{(4)}$ | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Resident Undergraduate Online Tuition \& Fees ${ }^{(1)(2)(3)}$ (4) (5) (6) (7) (8) | \$595 | \$1,115 | \$1,635 | \$2,155 | \$2,675 | \$3,195 | \$3,739 | \$4,259 | \$4,779 | \$5,151 | \$5,151 | \$5,151 | \$5,151 | \$5,151 | \$5,151 | \$5,151 | \$5,151 | \$5,151 |


| NON-RESIDENT |  | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| Non-Resident Undergraduate Online Tuition | \$520 | \$1,040 | \$1,560 | \$2,080 | \$2,600 | \$3,120 | \$3,640 | \$4,160 | \$4,680 | \$5,200 | \$5,720 | \$6,240 | \$6,760 | \$7,280 | \$7,800 | \$8,320 | \$8,840 | \$9,360 |
| Technology Fee ${ }^{(4)}$ | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Programs Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student Service Facility Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student Athletics Fee (1) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health \& Wellness Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial Aid Trust ${ }^{(4)}$ | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  <br> Fees ${ }^{(1)(2)(3) ~(4) ~(5) ~(6) ~}$ (7) ${ }^{(8)}$ | \$595 | \$1,115 | \$1,635 | \$2,155 | \$2,675 | \$3,195 | \$3,739 | \$4,259 | \$4,779 | \$5,299 | \$5,819 | \$6,339 | \$6,859 | \$7,379 | \$7,899 | \$8,419 | \$8,939 | \$9,459 |

${ }^{(1)}$ Students admitted to an Online campus program are not billed the student programs fee, student service facility fee, athletics fee, health and wellness fee, or recreation fee.
${ }^{(2)}$ Effective for fall 2018, online tuition for resident students will be capped at 10 credit hours, however online tuition for non-resident students is billed per credit hour with no cap.
${ }^{(3)}$ Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.
${ }^{(4)}$ Mandatory fees are billed per session but are not to exceed the seven-hour rate in a term.
${ }^{(5)}$ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is $\$ 104$ per credit hour up to a maximum of $\$ 980$ for enrollment in seven or more hours.
${ }^{(6)}$ Students admitted to Barrett, the Honors College are assessed a $\$ 750$ honors fee each fall and spring semester in addition to the tuition and fees presented above.
${ }^{(7)}$ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.
${ }^{(8)}$ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Source URL: https://catalog.asu.edu/tuitionandfees/Fall18UndergradOnline

General Tuition \& Fees

## Undergraduate Degree Program

New College of Interdisciplinary Arts and Sciences, Freshman \& Sophomores*

| RESIDENT | ENROLLED HOURS |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | $7 \text { \& }$ Over |
| Resident Undergraduate Tuition | \$632 | \$1,264 | \$1,896 | \$2,528 | \$3,160 | \$3,792 | \$4,426 |
| Resident Surcharge | 19 | 38 | 57 | 76 | 95 | 114 | 135 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 |
| Total Undergraduate Resident Tuition \& Fees ${ }^{(1)(2)(3)(4)(5)}$ | \$855 | \$1,506 | \$2,157 | \$2,808 | \$3,459 | \$4,110 | \$4,920 |


| NON- RESIDENT <br> Freshmen and Sophomores |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |


| INTERNATIONAL <br> Freshmen and Sophomores |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |


| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 30 | 30 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 | 55 | 55 | 55 | 55 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 | 25 | 25 | 25 | 25 | 25 |
| Total Undergraduate <br>  <br> Fees (1) (2) (3) (4) (5) | $\$ 1,332$ | $\$ 2,460$ | $\$ 3,588$ | $\$ 4,716$ | $\$ 5,844$ | $\$ 6,972$ | $\$ 8,255$ | $\$ 9,383$ | $\$ 10,511$ | $\$ 11,639$ | $\$ 12,767$ | $\$ 13,895$ |

*Undergraduate Freshmen and Sophomores in the New College of Interdisciplinary Arts and Sciences are eligible to receive a $10 \%$ reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.
${ }^{(1)}$ Music Fees \& Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.
${ }^{(2)}$ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is $\$ 140$ per credit hour up to a maximum of $\$ 980$ for enrollment in 7 or more hours. For nonresident students the excess hours tuition is $\$ 222$ per credit hour up to a maximum of $\$ 2,664$ for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees [1] for additional information regarding the Undergraduate Excess Hours Tuition.
${ }^{(3)}$ Students admitted to Barrett, the Honors College are assessed a $\$ 750$ honors fee each fall and spring semester in addition to the tuition and fees presented above.
${ }^{(4)}$ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.
${ }^{(5)}$ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Source URL: https://catalog.asu.edu/tuitionandfees/fall18undergradwestugasfrshsoph

## Links:

[1] https://students.asu.edu/tuitionandfees

General Tuition \& Fees

## Undergraduate Degree Program

The Polytechnic School, Freshmen and Sophomores*

| RESIDENT | ENROLLED HOURS |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | $\begin{aligned} & 7 \& \\ & \text { Over } \end{aligned}$ |
| Resident Undergraduate Tuition | \$632 | \$1,264 | \$1,896 | \$2,528 | \$3,160 | \$3,792 | \$4,426 |
| Resident Surcharge | 19 | 38 | 57 | 76 | 95 | 114 | 135 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 |
| Total Undergraduate Resident Tuition \& Fees ${ }^{(1)(2)}$ (3) (4) (5) | \$855 | \$1,506 | \$2,157 | \$2,808 | \$3,459 | \$4,110 | \$4,920 |


| NON- RESIDENT |  | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | $12 \text { \& }$ <br> Over |
| Non-Resident Undergraduate Tuition | \$1,036 | \$2,072 | \$3,108 | \$4,144 | \$5,180 | \$6,216 | \$7,252 | \$8,288 | \$9,324 | \$10,360 | \$11,396 | \$12,429 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 30 | 30 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 | 55 | 55 | 55 | 55 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 | 25 | 25 | 25 | 25 | 25 |
| Total Undergraduate NonResident Tuition \& Fees ${ }^{(1)(2)}$ (3) (4) (5) | \$1,240 | \$2,276 | \$3,312 | \$4,348 | \$5,384 | \$6,420 | \$7,611 | \$8,647 | \$9,683 | \$10,719 | \$11,755 | \$12,788 |


| INTERNATIONAL <br> Freshmen and Sophomores | ENROLLED HOURS |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |


| Student Service <br> Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 30 | 30 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 | 55 | 55 | 55 | 55 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 | 25 | 25 | 25 | 25 | 25 |

*Undergraduate Freshmen and Sophomores in the Polytechnic School are eligible to receive a $10 \%$ reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.
${ }^{(1)}$ Music Fees \& Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.
${ }^{(2)}$ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is $\$ 140$ per credit hour up to a maximum of $\$ 980$ for enrollment in seven or more hours. For nonresident students the excess hours tuition is $\$ 222$ per credit hour up to a maximum of $\$ 2,664$ for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees [1] for additional information regarding the Undergraduate Excess Hours Tuition.
${ }^{(3)}$ Students admitted to Barrett, the Honors College are assessed a $\$ 750$ honors fee each fall and spring semester in addition to the tuition and fees presented above.
${ }^{(4)}$ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.
${ }^{(5)}$ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Source URL: https://catalog.asu.edu/tuitionandfees/fall18undergradpolyugtsfreshsoph

## Links:

[1] https://students.asu.edu/tuitionandfees

General Tuition \& Fees

## Undergraduate Non-Degree Program

All Campuses

| RESIDENT | ENROLLED HOURS |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | $\begin{aligned} & 7 \& \\ & \text { Over } \end{aligned}$ |
| Resident Undergraduate Tuition | \$702 | \$1,404 | \$2,106 | \$2,808 | \$3,510 | \$4,212 | \$4,917 |
| Resident Surcharge | 19 | 38 | 57 | 76 | 95 | 114 | 135 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 |
| Total Undergraduate Resident Tuition \& Fees ${ }^{(1)(2)(3)(4)(5)}$ | \$925 | \$1,646 | \$2,367 | \$3,088 | \$3,809 | \$4,530 | \$5,411 |


| NON-RESIDENT |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | $12 \&$ <br> Over |
| Non-Resident <br> Undergraduate Tuition | $\$ 1,151$ | $\$ 2,302$ | $\$ 3,453$ | $\$ 4,604$ | $\$ 5,755$ | $\$ 6,906$ | $\$ 8,057$ | $\$ 9,208$ | $\$ 10,359$ | $\$ 11,510$ | $\$ 12,661$ | $\$ 13,809$ |


| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 30 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 | 55 | 55 | 55 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee |  |  |  |  |  |  |  |  |  |  |  |


| INTERNATIONAL | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |


| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 | 25 | 25 | 25 | 25 | 25 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Undergraduate <br> International Tuition \& Fees <br> $(\mathbf{( 3 )}$ (4) (5) | $\$ 1,447$ | $\$ 2,690$ | $\$ 3,933$ | $\$ 5,176$ | $\$ 6,419$ | $\$ 7,662$ | $\$ 9,060$ | $\$ 10,303$ | $\$ 11,546$ | $\$ 12,789$ | $\$ 14,032$ | $\$ 15,276$ |

${ }^{(1)}$ Music Fees \& Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.
${ }^{(2)}$ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is $\$ 140$ per credit hour up to a maximum of $\$ 980$ for enrollment in 7 or more hours. For nonresident students the excess hours tuition is $\$ 222$ per credit hour up to a maximum of $\$ 2,664$ for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees [1] for additional information regarding the Undergraduate Excess Hours Tuition.
${ }^{(3)}$ Students admitted to Barrett, the Honors College are assessed a $\$ 750$ honors fee each fall and spring semester in addition to the tuition and fees presented above.
${ }^{(4)}$ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note that all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.
${ }^{(5)}$ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

## Source URL: https://catalog.asu.edu/tuitionandfees/fall18undergradnondegree

## Links:

[1] https://students.asu.edu/tuitionandfees

## General Tuition \& Fees <br> Undergraduate Degree Program ASU Colleges at Lake Havasu City

| RESIDENT |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |  |
| Resident Undergraduate Tuition | $\$ 363$ | $\$ 618$ | $\$ 873$ | $\$ 1,128$ | $\$ 1,383$ | $\$ 1,638$ | $\$ 1,893$ | $\$ 2,148$ | $\$ 2,403$ | $\$ 2,658$ | $\$ 2,913$ |
| Over |  |  |  |  |  |  |  |  |  |  |  |


| Student Service Facility Fee (6) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Student Athletics Fee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 30 | 30 |
| Health \& Wellness Fee (6) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee (6) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Undergraduate Resident Tuition |  |  |  |  |  |  |  |  |  |  |  |  |
| \& Fees ${ }^{(1)(2)(3)(4)(5) ~}$ |  |  |  |  |  |  |  |  |  |  |  |  |


| NON-RESIDENT | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | $12 \text { \& }$ <br> Over |
| Non-Resident Undergraduate Tuition | \$561 | \$959 | \$1,357 | \$1,755 | \$2,153 | \$2,551 | \$2,949 | \$3,347 | \$3,745 | \$4,143 | \$4,541 | \$4,924 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee ${ }^{(6)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student Athletics Fee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 30 | 30 |
| Health \& Wellness Fee ${ }^{(6)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee ${ }^{(6)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Undergraduate Non-Resident Tuition \& Fees ${ }^{(1)(2)(3)(4)(5)}$ | \$651 | \$1,049 | \$1,447 | \$1,845 | \$2,243 | \$2,641 | \$3,078 | \$3,476 | \$3,874 | \$4,272 | \$4,670 | \$5,053 |

${ }^{(1)}$ Music Fees \& Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.
${ }^{(2)}$ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is $\$ 140$ per credit hour up to a maximum of $\$ 980$ for enrollment in seven or more hours. For nonresident students the excess hours tuition is $\$ 222$ per credit hour up to a maximum of $\$ 2,664$ for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees [1] for additional information regarding the Undergraduate Excess Hours Tuition.
${ }^{(3)}$ Students admitted to Barrett, the Honors College are assessed a $\$ 750$ honors fee each fall and spring semester in addition to the tuition and fees presented above.
${ }^{(4)}$ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.
${ }^{(5)}$ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.
${ }^{(6)}$ Students admitted to ASU Colleges at Lake Havasu City are not billed the student service facility fee, athletics fee, health and wellness fee, or recreation fee.

Source URL: https://catalog.asu.edu/tuitionandfees/fall18undergradLHCdegreepro
Links:
[1] https://students.asu.edu/tuitionandfees

## General Tuition \& Fees <br> Undergraduate Degree Program

## Rural Community College Based Programs*

| ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | $12 \&$ <br> Over |
| Undergraduate Tuition | $\$ 363$ | $\$ 618$ | $\$ 873$ | $\$ 1,128$ | $\$ 1,383$ | $\$ 1,638$ | $\$ 1,893$ | $\$ 2,148$ | $\$ 2,403$ | $\$ 2,658$ | $\$ 2,913$ | $\$ 2,953$ |
| Resident Surcharge | 19 | 38 | 57 | 76 | 95 | 114 | 135 | 135 | 135 | 135 | 135 | 135 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee (6) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |


| Student Athletics Fee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Student Programs Fee | 15 | 15 | 15 | 15 | 15 | 15 | 30 | 30 | 30 | 30 | 30 | 30 |
| Health \& Wellness Fee (6) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee (6) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fees ${ }^{(1)(2)(3)(4) ~(5) ~}$ |  |  |  |  |  |  |  |  |  |  |  |  |

*The Rural Community College Based Program rate pertains to community college locations based outside Maricopa and Pima counties.
${ }^{(1)}$ Music Fees \& Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.
${ }^{(3)}$ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is $\$ 140$ per credit hour up to a maximum of $\$ 980$ for enrollment in seven or more hours. For nonresident students the excess hours tuition is $\$ 222$ per credit hour up to a maximum of $\$ 2,664$ for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees [1] for additional information regarding the Undergraduate Excess Hours Tuition.
${ }^{(4)}$ Students admitted to Barrett, the Honors College are assessed a $\$ 750$ honors fee each fall and spring semester in addition to the tuition and fees presented above.
${ }^{(5)}$ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.
${ }^{(5)}$ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.
${ }^{(6)}$ Students admitted to the Rural Community College Based Programs are not billed the student service facility fee, athletics fee, health and wellness fee, or recreation fee.

Source URL: https://catalog.asu.edu/tuitionandfees/fall18undergradcommunitycollegebaseddegreepro

## Links:

[1] https://students.asu.edu/tuitionandfees

| RESIDENT | ENROLLED HOURS |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 |  <br> Over |
| Resident Graduate Tuition | $\$ 795$ | $\$ 1,590$ | $\$ 2,385$ | $\$ 3,180$ | $\$ 3,975$ | $\$ 4,770$ | $\$ 5,568$ |
| Resident Surcharge | 19 | 38 | 57 | 76 | 95 | 114 | 135 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Programs Fee | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 |
| Geas Graduate Resident Tuition \& (3) | $\$ 1,038$ | $\$ 1,852$ | $\$ 2,666$ | $\$ 3,480$ | $\$ 4,294$ | $\$ 5,108$ | $\$ 6,067$ |


| NON-RESIDENT |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | $12 \&$ <br> Over |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Non-Resident Domestic <br> Graduate Tuition | $\$ 1,258$ | $\$ 2,516$ | $\$ 3,774$ | $\$ 5,032$ | $\$ 6,290$ | $\$ 7,548$ | $\$ 8,806$ | $\$ 10,064$ | $\$ 11,322$ | $\$ 12,580$ | $\$ 13,838$ | $\$ 15,099$ |


| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| Student Programs Fee | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 | 55 | 55 | 55 | 55 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 | 25 | 25 | 25 | 25 | 25 |
| GSPA Student Programs Fee | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Graduate Non-Resident Tuition \& Fees ${ }^{(1)(2)(3)}$ | \$1,482 | \$2,740 | \$3,998 | \$5,256 | \$6,514 | \$7,772 | \$9,170 | \$10,428 | \$11,686 | \$12,944 | \$14,202 | \$15,463 |


| INTERNATIONAL | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | $12 \text { \& }$ Over |
| International Graduate Tuition | \$1,351 | \$2,702 | \$4,053 | \$5,404 | \$6,755 | \$8,106 | \$9,457 | \$10,808 | \$12,159 | \$13,510 | \$14,861 | \$16,217 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 | 75 | 75 | 75 | 75 | 75 |
| Student Programs Fee | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 | 55 | 55 | 55 | 55 | 55 |
| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 |


| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 | 25 | 25 | 25 | 25 | 25 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GSPA Student Programs Fee | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Graduate International Tuition \& Fees ${ }^{(1)(2)(3)}$ | \$1,575 | \$2,926 | \$4,277 | \$5,628 | \$6,979 | \$8,330 | \$9,821 | \$11,172 | \$12,523 | \$13,874 | \$15,225 | \$16,581 |

${ }^{(1)}$ Music Fees \& Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.
${ }^{(2)}$ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.
${ }^{(3)}$ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Source URL: https://catalog.asu.edu/tuitionandfees/fall18graduate

General Tuition \& Fees
Post-Baccalaureate Non-Degree Graduate

| RESIDENT | ENROLLED HOURS |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | $7 \&$ <br> Over |
| Resident Graduate Tuition | $\$ 795$ | $\$ 1,590$ | $\$ 2,385$ | $\$ 3,180$ | $\$ 3,975$ | $\$ 4,770$ | $\$ 5,568$ |
| Resident Surcharge | 19 | 38 | 57 | 76 | 95 | 114 | 135 |
| Technology Fee | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Service Facility Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Athletics Fee | 37 | 37 | 37 | 37 | 37 | 37 | 75 |
| Student Programs Fee | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Health \& Wellness Fee | 28 | 28 | 28 | 28 | 28 | 28 | 55 |


| Financial Aid Trust | 25 | 25 | 25 | 25 | 25 | 25 | 49 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Recreation Fee | 12 | 12 | 12 | 12 | 12 | 12 | 25 |
| GSPA Student Programs Fee | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|  <br> Fees (1) (2) (3) | $\$ 1,038$ | $\$ 1,852$ | $\$ 2,666$ | $\$ 3,480$ | $\$ 4,294$ | $\$ 5,108$ | $\$ 6,067$ |


| NON-RESIDENT | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |


| INTERNATIONAL | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |

${ }^{(1)}$ Music Fees \& Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.
${ }^{(2)}$ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note all tuition amounts and fees are subject to change at any time for correction of errors and may be adjusted at a future date.
${ }^{(3)}$ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Source URL: https://catalog.asu.edu/tuitionandfees/fall18postbaccalaureate

General Tuition \& Fees

## Graduate \& Post-Baccalaureate

## Online Campus

| RESIDENT | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| Resident Graduate Online Tuition | \$522 | \$1,044 | \$1,566 | \$2,088 | \$2,610 | \$3,132 | \$3,654 | \$4,176 | \$4,698 | \$5,220 | \$5,703 | \$5,703 | \$5,703 | \$5,703 | \$5,703 | \$5,703 | \$5,703 | \$5,703 |
| Technology Fee ${ }^{(4)}$ | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Programs $\text { Fee }{ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student Service Facility Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student Athletics Fee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health \& Wellness Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial Aid Trust ${ }^{(4)}$ | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GSPA Student Programs Fee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Graduate Resident Online Tuition \& Fees ${ }^{(1)(2)}$ (3) (4) (5) (6) | \$597 | \$1,119 | \$1,641 | \$2,163 | \$2,685 | \$3,207 | \$3,753 | \$4,275 | \$4,797 | \$5,319 | \$5,802 | \$5,802 | \$5,802 | \$5,802 | \$5,802 | \$5,802 | \$5,802 | \$5,802 |


| NON- | ENROLLED HOURS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| Non-Resident Graduate Online Tuition | \$522 | \$1,044 | \$1,566 | \$2,088 | \$2,610 | \$3,132 | \$3,654 | \$4,176 | \$4,698 | \$5,220 | \$5,742 | \$6,264 | \$6,786 | \$7,308 | \$7,830 | \$8,352 | \$8,874 | \$9,396 |
| Technology Fee ${ }^{(4)}$ | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Student Programs Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student Service Facility Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student Athletics Fee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health \& Wellness Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Financial Aid Trust ${ }^{(4)}$ | 25 | 25 | 25 | 25 | 25 | 25 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 |
| Recreation Fee ${ }^{(1)}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GSPA Student Programs Fee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Graduate Non-Resident Online Tuition \& Fees ${ }^{(1)(2)(3)(4)(5)(6)}$ | \$597 | \$1,119 | \$1,641 | \$2,163 | \$2,685 | \$3,207 | \$3,753 | \$4,275 | \$4,797 | \$5,319 | \$5,841 | \$6,363 | \$6,885 | \$7,407 | \$7,929 | \$8,451 | \$8,973 | \$9,495 |

${ }^{(1)}$ Students admitted to an Online campus program are not billed the student programs fee, student service facility fee, athletics fee, health and wellness fee, or recreation fee.
${ }^{(2)}$ Effective for fall 2018, online tuition for resident students will be capped at 10 credit hours, however online tuition for non-resident students is billed per credit hour with no cap.
${ }^{(3)}$ Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.
${ }^{(4)}$ Mandatory fees are billed per session but are not to exceed the seven-hour rate in a term.
${ }^{(5)}$ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents. Please note all tuition and fee amounts are subject to
change at any time for correction of errors and may be adjusted at a future date.
${ }^{(6)}$ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Source URL: https://catalog.asu.edu/tuitionandfees/Fall18Grad-PostBaccOnline

## 1 ( UNIVERSITY

# Registration \& Tuition Payment Guide 

## Fall 2018

Distributed by:
University Registrar Services

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## Important Reminder

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

## Semester Calendar - Fall 2018

All dates and times published in this schedule are tentative and are subject to change without notice.
If a class is scheduled in a session other than Session A, B or C, the drop/add/withdrawal deadlines are prorated based on the length of the class. Check the calendar icon next to each class on your schedule in My ASU for the prorated deadline dates.

| $\begin{aligned} & \text { Session A: Thursday } 8 / 16 / 2018-F r i d a y ~ 10 / 5 / 2018 \\ & \text { Session B: Wednesday 10/10/2018-Friday } 11 / 30 / 2018 \\ & \text { Session C: Thursday } 8 / 16 / 2018 \text {-Friday } 11 / 30 / 2018 \text { (Final exams 12/3/2018-12/8/2018) } \end{aligned}$ |  |  |  |
| :---: | :---: | :---: | :---: |
| Schedule of Classes Available | February 19, 2018 |  |  |
| Registration and Tuition Guide Available | February 19, 2018 |  |  |
| Registration Dates Begin | February 22, 2018 |  |  |
| \$50.00 Late Registration Fee Begins (does not apply to ASU Online students) | Session A August 8, 2018 | Session B August 21, 2018 | Session C August 8, 2018 |
| Classes Begin | Session A August 16, 2018 | Session B October 10, 2018 | Session C August 16, 2018 |
| Academic Status Reports - Faculty have the opportunity to provide weekly feedback during each session. Students can view ASRs in MyASU within 24 hours after each weekly reporting period closes on Sunday. | $\begin{gathered} \text { Session A } \\ \text { Aug 16-Sept 30, } 2018 \end{gathered}$ | $\begin{gathered} \text { Session B } \\ \text { Oct 10-Nov 25, } 2018 \end{gathered}$ | $\begin{gathered} \text { Session C } \\ \text { Aug 16-Nov 25, } 2018 \end{gathered}$ |
| Residency Classification Petition Deadline | August 22, 2018 |  |  |
| Last day to register or drop/add without college approval | Session A August 17, 2018 | Session B October 11, 2018 | Session C August 22, 2018 |
| Tuition Fee Payment Deadline-For registration through 8/18/18 For more information see http://students.asu.edu/ tuitiondeadlines | August 25, 2018 |  |  |
| Tuition \& Fees 100\% Refund Deadline - For more information see http:// <br> students.asu.edu/tuitionrefundpolicy | Session A August 22, 2018 | Session B <br> October 16, 2018 | Session C <br> August 29, 2018 |
| Labor Day Holiday Observed-University Closed | September 3, 2018 |  |  |
| University 21 ${ }^{\text {st }}$ Day | Session A <br> September 5, 2018 | Session B October 30, 2018 | Session C <br> September 5, 2018 |
| Tuition Fee Payment Deadline-For registration from 8/19/18 through 9/18/18. For more information see http:// students.asu.edu/tuitiondeadlines | September 25, 2018 |  |  |
| Deadline to Apply for Graduation | October 1, 2018 |  |  |
| Fall Break-Classes Excused | October 6-October 9, 2018 |  |  |
| Tuition Fee Payment Deadline-For registration from 9/19/18 through 10/18/18. For more information see http:// students.asu.edu/tuitiondeadlines | October 25, 2018 |  |  |

## Semester Calendar (continued) - Fall 2017

| Session A: Thursday 8/16/2018-Friday 10/5/2018 <br> Session B: Wednesday 10/10/2018-Friday 11/30/2018 <br> Session C: Thursday 8/16/2018-Friday 11/30/2018 (Final exams 12/3/2018-12/8/2018) |  |  |  |
| :---: | :---: | :---: | :---: |
| Course Withdrawal Deadline | Session A <br> September 5, 2018 | Session B October 30, 2018 | Session C October 31, 2018 |
| Veteran's Day Observed-University Closed | November 12, 2018 |  |  |
| Thanksgiving Observed-University Closed | November 22-23, 2018 |  |  |
| Complete Session Withdrawal Deadline As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school for facilitate the withdrawal process. For more information, see https:// <br> students.asu.edu/forms/withdrawal | Session A October 5, 2018 | Session B <br> November 30, 2018 | Session C <br> November 30, 2018 |
| Classes End/ <br> Last Day to Process Transactions | Session A October 5, 2018 | Session B <br> November 30, 2018 | Session C <br> November 30, 2018 |
| Study Days | $\begin{gathered} \text { Session A } \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \text { Session B } \\ \text { N/A } \end{gathered}$ | Session C <br> December 1-2, 2018 |
| Final Exams | Session A Last day of classes | Session B <br> Last day of classes | Session C <br> December 3-8, 2018 |
| Final Grades Due | Session A October 8, 2018 | Session B December 3-10, 2018 | Session C <br> December 3-10, 2018 |
| Commencement Ceremony - Graduate and Undergraduate <br> http://graduation.asu.edu | December 10, 2018 |  |  |
| Degree Conferral Date | December 10, 2018 |  |  |
| Grade Replacement/Academic Standing Processing | December 11-12, 2018 |  |  |
| Holiday Break-University Closed | December 24-25, 2018 |  |  |

[^0]
# Admission and Registration 

## Admission/Readmission

Undergraduate admission/readmission:
students.asu.edu/admission

Graduate admission/readmission:
students.asu.edu/graduate

Law College:
law.asu.edu

Students who are required to be advised must do so before submitting a registration request. Non-degree undergraduate students may not enroll for more than eight semester hours. Students who have been previously enrolled in a degree program at ASU are not permitted to attend in non-degree status.

## Registration Procedures Overview

my.asu.edu
Step 1: Log into My ASU to view your online Registration Dates. A registration date is the date/time that you may begin to register for classes. You may register online or in person anytime after your assigned registration date begins through the end of the drop/add period.*

Step 2: Check for registration holds on My ASU. If you have an academic advising hold, plan to meet with your academic advisor well before your Registration Date occurs.

Step 3: Review degree and catalog requirements.
Step 4: Review your Major Map on My ASU (undergraduate students only).

Step 5: Search for available classes using the Class Search at my.asu.edu.

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

Step 7: Pay tuition. If you do not have adequate financial aid to cover tuition costs, and if you do not pay tuition by the
applicable deadline, you will be enrolled in the Tuition Installment Plan and assessed a non-refundable \$100 resident/\$200 non-resident enrollment fee.
*Students may register for Fall 2018, February 22, 2018 through August 17, 2018 for Session A, August 22, 2018for session C, and October 11, 2018 for Session B. However, a $\$ 50$ late registration fee is charged beginning August 8, 2018 for Session's A and C and August 21, 2018 for Session B. This fee does not apply to ASU online students.

## Registration/Enrollment General Information

## Registration Dates

All students are assigned an online registration date which will permit registration for the Fall 2018 semester. Students should log into My ASU to view their registration date as soon as possible.

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

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

## Building Your Class Schedule

ASU's registration system will allow you to search the Schedule of Classes/Class Search and build a Fall class registration request. You can save that plan (shopping cart) and then later return to it. When you return, you will be able to see if the class status has changed since you built and saved the plan. You can view the online Schedule of Classes/Class Search via My ASU
(my.asu.edu). The Fall 2018 Schedule of Classes is available February 19, 2018.

## Registration, cont.

## Submitting Your Registration Request

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

## Drop/Add

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

## Swap

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

## Registration Holds

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

## To Dos

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

## Registration Locations

| Tempe <br> campus | West <br> campus | Polytechnic <br> campus | Downtown <br> Phoenix <br> campus |
| :---: | :---: | :---: | :---: |
| Student <br> Services Bldg, <br> Room 140 | University <br> Center Bldg, <br> Room 120 | Administra- <br> tion Bldg | University <br> Center Bldg, <br> Room 166 |
| 480.965 .3124 | 602.543.8203 | 480.727 .1142 | 602.496.4372 |
| Monday - Friday 8:00am - 5:00pm |  |  |  |
| Offices are closed in observance of the following holidays: |  |  |  |
| Labor Day-September 3, 2018 |  |  |  |
| Veterans Day-November 12, 2018 |  |  |  |
| Thanksgiving-November 22-23, 2018 |  |  |  |
| Holiday Break-December 24-25, 2018 |  |  |  |

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

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

## Measles Immunization Policy

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

One of the following may be used as documentation:

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


## Registration, cont.

## Measles Immunization Policy, Cont.

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

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

Mail, Fax or Email to:
IMMUNIZATION DEPARTMENT
ASU Health Services
Arizona State University
P. O Box 872104

Tempe, AZ 85287-2104

## Advising

All undergraduate students are assigned an academic advisor from the college in which their major is located. Academic Advisors are part of the ASU Academic Support Team which may include Success Coaches, GetSet peer mentors, and tutoring. Students can view their academic advisor(s) on their MyASU page by clicking on Academic Advising link in the Academic Support Team box. Students should contact their academic advisor for assistance and guidance regarding major requirements, ASU's eAdvisor Tracking requirements, graduation timelines, and for information on ASU's many available resources designed to support academic success. Many programs require academic advisement prior to registration for classes. For additional information regarding general academic advising for all ASU departments visit https://students.asu.edu/academics

## Instructor-Initiated Drop Option

The instructor of a course has full authority within departmental or other higher-level policies to decide whether or not class attendance is required. During the second week of classes in Fall or Spring, or the first four days of each Summer Session, the instructor can drop a student for non-attendance. In classes which are full, this will allow accommodation of other students requesting the class and help instructors avoid excessive
overrides. Instructor-initiated drops for non-attendance must be based upon concrete evidence of non-attendance and be signed by the Dean or Dean's Designee in the college offering the course. The college will notify the student by mail at the student's currently posted local address. Nothing in this policy contradicts any other policy regarding attendance, religious holidays, or the student's responsibility to notify the instructor in case of absences.

Note: Students should be aware that non-attendance will not automatically result in being dropped. Instructors have the right to exercise this option at their discretion. It is also the student's responsibility to contact the instructor before the end of the first week of classes if absences during that period cannot be avoided.

## Withdrawal Policy

## Course Withdrawal

After the drop/add period and up to September 5, 2018 for Session A, October 30, 2018 for Session B and October 31, 2018 for Session C, a student may withdraw from any course with a grade of "W". Withdrawals may be initiated online using My ASU or in person at any registration site. Courses with alternate begin and end dates may have an adjusted withdrawal schedule. Courses from which the student withdraws will remain on the student's transcript with a grade of "W". Any appropriate refunds are issued based on the published Refund Schedule and the date of the withdrawal. To determine whether you will be eligible for a refund after withdrawing, contact Student Accounts at 1-855-278 -5080. It is the student's responsibility to initiate a withdrawal if unable to attend a class. Failure to do so will result in a grade of "E" being assigned for the class. Although students who do not attend class during the first week of a term may be administratively dropped from the class, such withdrawal is at the discretion of the instructor. In special circumstances, a medical withdrawal or academic record change may be authorized by the Dean of an academic unit if the student petitions for the change and presents documentation of reasons for being unable to attend the class. Please note academic record changes can only be requested after the semester has ended. It is the student's responsibility to petition for such change if appropriate.

## Complete Withdrawal

A student may withdraw from all of his or her classes (the student will no longer be enrolled in any classes for the specified semester) through the transaction deadline or the last day of classes for

## Registration, cont.

any semester. A grade of "W" is awarded for each class from which the student withdraws. The complete withdrawal deadline is October 5, 2018 for Session A, and November 30, 2018 for Sessions B and C. Beginning the first date of the semester, undergraduate students are required to request a complete withdrawal in person. Making a complete withdrawal from the University is a difficult decision, and ASU has many resources in place to help. Because there may be serious academic and financial consequences to processing a complete withdrawal, you should view complete withdrawal as a final resort. You are encouraged to meet with your academic advisor to explore alternatives.

Note: A student may not avoid any penalty for academic dishonesty by withdrawing from a course. A student may be reinstated to a course to receive a penalty of a reduced or failing
grade, or XE. Remember: If you have financial aid or scholarships, be sure you understand minimum credit hour requirements for maintaining those awards.

## Military Withdrawal

To completely withdraw due to military activation, immediately contact the Pat Tillman Veterans Center. For all campuses, please email our military advocate at MilitaryAdvocate@asu.edu to determine whether the call to active duty qualifies for the "Military Activation" policy. For example, students reporting to "boot camp" or required training may not qualify for this policy. Students who qualify will receive some regulatory relief in the recalculation of financial aid and the calculation of tuition and fee charges. Students are also given options regarding their academic records, e.g., complete withdrawal, incomplete grades, etc.

## Financial Assistance Withdrawal Policy

Circumstances may necessitate complete withdrawal from the University. For financial aid, a complete withdrawal from the full term or any individual session can affect financial aid eligibility. The outcome of a complete withdrawal on your financial aid depends on when the complete withdrawal is initiated and the types of financial aid you received. In all cases, Financial Aid and Scholarship Services must calculate a "Return of Title IV Funds" to determine if you were enrolled long enough to keep the aid paid to you. Any time you stop your enrollment (i.e., withdraw, drop, or stop participating in classes and receive a combination of all EN, E or W grades in a session or term) before the end of the term, you may need to return some of the financial aid you received. In addition, please note that receiving all EN grades (failure to participate) will result in the cancellation of all federal and institutional financial aid.

If you are considering withdrawing, please contact Financial Aid and Scholarship Services and request to speak with a financial aid counselor to understand the impact on your financial aid. Be sure to review Withdrawing as a Financial Aid Recipient for more

Information.

## Official Complete Withdrawal

Federal regulations require the recalculation of Title IV financial aid in cases where a student received financial aid and officiallywithdrew on or before the point which $60 \%$ of the semester has lapsed. If a return of aid is required, ASU returns the unearned portion of Title IV financial aid funds to the Federal Programs on behalf of the student. Any return of financial aid funds made by the University will be charged to the student's University account. Payment to the University will be due immediately.

## University Testing Requirements

All new, transfer, or readmitted undergraduate students must meet one of the following testing requirements:

- Take the ACT English, SAT verbal examination, WritePlacer Plus section of the ACCUPLACER, TOEFL (Test of English as a Foreign Language), IELTS (International English Language Testing System), or PTEA (Pearson Test of English Academic) and have scores submitted to ASU.
- Receive a score of 4 or 5 for the advanced placement examination in English offered by the College Entrance Examination Board and have scores submitted to ASU.
- Take the CLEP College Composition exam, earning a score of 50 that qualifies for placement into ENG 105 and elective credit (3). ENG 101 (3) for students who already have credit for ENG 102.
- Have previously taken or be currently enrolled in WAC101, WAC107, ENG101, ENG102, ENG105, ENG107, or ENG108 at ASU. If the course was taken at ASU before 1980, contact the Records and Enrollment Services Office in SSV140 or at 480.965.3124, before registering for classes.
- Transfer a course equivalent to ENG101, ENG102, ENG105, ENG107, or ENG108 with a grade of "C" (2.00) or higher.

An official transcript showing the grade must be received by ASU.

## Registration, cont.

The evaluation of transfer English courses at Arizona State University has been centralized and all evaluations will be processed through the new Transfer Credit Guide. All transfer students should visit www.asu.edu/transfercredit to request an evaluation of transfer course work. Any questions regarding the evaluation process should be sent to articulation@asu.edu.

## Placement Exams

## A. First-Year Composition

Placement in First-Year Composition courses (WAC101 or WAC107 followed by ENG101 or ENG107 the next semester, or ENG101, ENG105, or ENG 107) is determined by the score earned on the ACT English, SAT Verbal Exam, Accuplacer, TOEFL, IELTS, or PTEA exam. Multilingual students are not required to take multilingual sections of first-year composition courses (WAC107, ENG107, and ENG108). They have the option of taking mainstream composition courses (WAC101, ENG101, and ENG102). If students enter the university without taking an acceptable placement exam, the Accuplacer may be taken on campus at the University Testing and Scanning Services, located at 1130 E. University Dr. Suite 204 in Tempe, at regularly scheduled times. Contact the UTSS at 480.965.7146 to make an appointment. Placement in First-Year Composition will be determined as follows:

Multilingual students who have taken the IELTS or PTEA exam should contact the Writing Programs Office at writingprograms@asu.edu or 480-965-3853 for assistance with registration.

Students who have taken the Advanced Placement Exam in English offered by the College Entrance Examination Board, the International Baccalaureate English A Exam, or the CLEP College Composition Exam, should visit the Credit by Exam Search section of the Transfer Credit Guide at https://webapp4.asu.edu/ transfercreditguide/app/searchbyexam or information about placement into first-year composition courses.

## B. Mathematics Course Placement Exams

Arizona State University requires the Math Placement Test to assess a student's prerequisite knowledge for placement into several mathematics courses up to and including first semester calculus. The instrument used for testing is a powerful assess-

| Exam Score: | Register For: |
| :---: | :---: |
| SAT Verbal 460 and below | WAC101 or WAC107 |
| SAT Read/Write (effective 3/2016) 510 \& below | WAC 101 or WAC 107 |
| ACT English 18 and below | WAC101 or WAC107 |
| TOEFL 550PBT / 213CBT / 79iBT and below | WAC107 |
| IELTS <br> 6.0 and below | WAC 107 |
| PTEA <br> 56 and below | WAC 107 |
| SAT Verbal 470-610 | ENG101 or ENG107 |
| SAT Read/Write (effective 3/2016) 520-650 | ENG 101 or ENG 107 |
| ACT English 19-25 | ENG101 or ENG107 |
| TOEFL 560PBT / 220CBT / 83iBT and above | ENG101 or ENG107 |
| IELTS <br> 6.5 and above | ENG 107 |
| PTEA <br> 56 and above | ENG 107 |
| SAT Verbal 620 and above | ENG105 |
| ACT English 26 and above | ENG105 |
| Accuplacer score 4 or below | WAC101 or WAC107 |
| Accuplacer score 5, 6, or 7 | ENG101 or ENG107 |
| Accuplacer score 8 | ENG 105 |

ment tool with artificial intelligence that zeros in on the strengths and weaknesses of a student's mathematical knowledge, reports placement score to the student and then, if necessary, provides the student with a learning environment for bringing this knowledge up to an appropriate level for the desired course placement by retaking the Math Placement Test.

All incoming students must complete the Math Placement Test prior to enrollment unless they have transferred an equivalent prerequisite course. The time limit to finish the assessment is 2 hours.

## Registration, cont.

## Student Identification

## ASU Sun Devil Card Services

Students are required to provide an ASU ID card to receive many ASU services, acquire educational records and gain access into secure buildings, classrooms and labs. Students may choose between the Pitchfork ID complete with Sun Devil Checking, exclusively by MidFirst Bank ${ }^{1}$ or the basic Sun Card. The Pitchfork ID Card is an all-in-one student ID, Visa debit card and bulding access card that you receive when you open an official Sun Devil Checking account. New students may submit their photo online for use on their official ID. An ASU ID card costs $\$ 25$. A $\$ 25$ replacement fee will be assessed for any lost, damaged or defaced cards. Do not punch holes in your card, it will damage your card's functionality.

As proof of identity, students need their ten-digit ASU ID number and a legal photo ID (driver's license, passport, military ID, etc.) to obtain their ID card in person.

Both the Pitchfork ID Card and the basic Sun Card can be used for a variety of services, including:


| Card Uses | Pitchfork ID <br> MasterCard ${ }^{\circledR}$ | Basic Sun Card |
| :---: | :---: | :---: |
| Official ASU Student ID | * | * |
| Access to secure buildings | * | * |
| Access for meal plans** | * | * |
| Access for Maroon \& Gold (M\&G) Dollars** | * | * |
| Access to Sun Devil Fitness Complexes | * | * |
| Access to academic advising | * | * |
| Access for exam identification | * | * |
| Access to library and check out | * | * |
| Access for ASU Athletic events | * | * |
| Accepted at Visa locations worldwide | * |  |
| Pay for campus health services | * |  |
| Pay for campus parking services | * |  |
| Pay for SunDevil Campus Stores items | * |  |
| Comes with Sun Devil Checking | * |  |
| FREE ATMs nationwide, including MidFirst ATMs on campus | * |  |

Learn more about the Pitchfork ID Card at asu.midfirst.com/pitchfork-card
Learn more about the basic Sun Card at cfo.asu.edu/cardservices
Meal Plans and M\&G Dollars are administered by Sun Devil Dining.
Call 480-727-DINE (3463) or visit https://sundevildining.asu.edu/.

[^1]
## Tuition and Fees

## Admission Application Fees

Admission application fees are subject to change. These fees are non-refundable and must be paid at the time of application.

## Fall 2018 General Tuition*

General tuition, program-specific tuition, special class fees and mandatory registration fees are set annually by the Arizona Board of Regents. Visit the following websites for more information.

- General tuition and mandatory registration fee information- Tuition and Fees
- Program-specific information- ASU cost Calculator

Special class fees can be viewed online at the time of class registration
By registering for classes you agree to pay all applicable tuition and registration fees.
*All amounts presented in any University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors.

## Tuition Billing

Tuition charges will be billed on your student account and may be viewed online through My ASU after registration. From My ASU, select the "Finances" link on the upper left side.

## By registering for classes you agree to pay all applicable tuition and registration fees.

If tuition is not paid by the applicable tuition due date, or financial aid is not awarded and accepted by the due date, you will be automatically enrolled in the ASU Payment Plan and charged a non-refundable enrollment fee of $\$ 100$ for resident students and $\$ 200$ for non-resident students. For students with accepted financial aid sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no action is necessary. For students with accepted financial aid insufficient to cover tuition charges, payment in full is required by the due date to avoid automatic enrollment in the ASU Payment Plan. Refer to Tuition and Billing Calendar for your specific tuition payment due date.

## Online Billing

Online billing provides reliable and secure access to billing statements any time of day from anywhere in the world along with immediate access to current account information. To view and pay your charges, login to My ASU, select the link "Finances" on the upper left side, then click "Make a Payment". Online billing statements are also available through QuikPAY by clicking "View Account". Students are responsible to review their ASU e-mail account for notification of billing statements and to login to their student account on My ASU for current billing information. Billing statements are not mailed.

Students may authorize others to view and pay their ASU student account through QuikPAY. Log in to My ASU, select the "Finances" link on the upper left side, then click "Make a Payment". Once directed to QuikPAY select Authorized Payers from the left windowpane and enter the requested information for each person to be authorized on the account. Authorized Payers must have a valid email account.

## eCheck Payments

eChecks are ASU's preferred payment method and are accepted online with no service charge or additional cost to the student. Make eCheck payments on QuikPAY by logging in to My ASU (my.asu.edu), select the "Finances" link on the upper left side, then click "Make a Payment" to be directed to the online payment processor. eChecks are a fast and simple payment method that can be made from regular U.S. checking and savings accounts in U.S. dollars. Checks issued from money market accounts, credit card companies, mutual funds, brokerage accounts, home equity or other lines of credit cannot be processed as an eCheck. Additional information is available at Payment Options.

## Tuition and Fees, cont.

## Credit Card Payments

ASU does not directly accept credit or debit card payments for tuition or other student account charges. The University has arranged for a third-party processor to accept Visa, MasterCard, Discover, and American Express credit and debit card payments online. The processor will charge a $2.4 \%$ service fee for credit and debit card payments in addition to the ASU payment amount. The service fee is not paid to ASU and is non-refundable, even if related payment to ASU is refunded. Credit and debit card payments may be made on QuikPAY by logging in to My ASU My ASU. Click on the "Finances" link on the upper left side, then click "Make a Payment" to be directed to the online payment processor. Credit and debit card payments are not accepted by mail, in person, or over the phone.

## International Payments

ASU has partnered with Flywire (formerly peerTransfer) to offer a streamlined and cost effective payment method for you to make international payments to ASU through QuikPAY. Initiate your international wire transfer payment at least one week before the applicable due date to ensure timely receipt.

## Personal Checks

Checks payable to Arizona State University and without restrictive endorsement are generally acceptable. Mail checks to Cashiering Services, Arizona State University, PO Box 870303, Tempe, AZ 85287-0303. Include your ASU ID number. Check payments should be mailed at least two weeks prior to the applicable tuition due date to avoid automatic enrollment in the Tuition Installment Plan. Check payments are also accepted in person at all campuses. See Tuition Hours on page 14.

## Residency Classification

Residency (tuition) status is determined at the time a student submits an application for admission to the University. Non-resident students who feel they qualify for resident tuition status must submit a completed residency petition no later than the last day of regular registration. For general information about the residency requirements, consult the ASU General Catalog or the web at students.asu.edu/residency. The residency petition is a complex process and you are encouraged to petition early. You are advised to submit the online petition, required supporting documentation, and your receipt for the $\$ 50.00$ non-refundable petition fee to the Residency Classification Office by the appropriate deadline date. The deadline for submitting a residency petition for Fall 2018 is August 22,2018 . Failure to petition by this deadline constitutes a waiver of the student's rights for requesting residency reclassification or appeal for the current semester.

## Citizenship or Lawful Presence Requirement

Arizona law requires that students who are seeking consideration for in-state tuition status or aid that is funded in part or in whole by state money to provide verification of citizenship, permanent residency or other lawful immigration status. Most students will be able to be verified through automatic processes such as the financial aid application (FAFSA). Students choosing to go through the FAFSA process should be verified no later than the beginning of July for the Fall term, December for the Spring term and May for the summer term. If the FAFSA has not cleared the verification requirement by the recommended month it is highly possible that documentation is still required.

## Veterans Educational Benefits

Veterans and eligible dependents must apply for veterans educational benefits and then verify their status with the Pat Tillman Veterans Center as soon as possible with each new semester. Distance Learning classes have veterans education benefit restrictions. Veterans cannot collect benefits for audited classes.

| All Campuses |
| :---: |
| Pat Tillman Veterans Center |
| Tempe Campus Memorial Union |
| Lower Level, Room 75 |
| $480-965-7723$ |

## Tuition and Fees, cont.

## ASU Payment Plan

The ASU Payment Plan provides students with the option to budget payment of certain eligible university charges over several months. Eligible charges are tuition, housing, meal plan, parking decals and health insurance. Students may enroll themselves in the plan through My ASU or they will be automatically enrolled if tuition charges are not paid in full by the applicable due date. There is a per-semester non-refundable fee of $\$ 100$ for resident students and $\$ 200$ for non-resident students. For additional information, please visit ASU Payment Plan. Please note, the enrollment fee is non-refundable, even if the student withdraws from classes.

All students are eligible to enroll in the ASU Payment Plan after they register for classes. Once a student enrolls for classes, he or she will not be withdrawn from classes during the current semester for non-payment. Students must withdraw from classes if they decide not to attend. If students enrolled in the plan do not make scheduled payments, monthly late fees will be assessed until the account is brought current on payments, registration in future semesters will be blocked, and access to other University services, such as official transcripts and diplomas, will be withheld.

## Tuition Payment with Financial Aid

Financial aid is posted to your student account and used to pay tuition and other student account charges, with any excess financial aid immediately refunded to you. Any institutional charges incurred after financial aid disbursal are the student's responsibility to pay by the due date. Financial aid awards generally only pay charges in the semester for which the aid is intended, and you may be refunded excess financial aid for one semester and still have a balance owed for another semester. If you receive a refund, ensure that all charges have been paid by logging in to My ASU My ASU and select the "Finances" link on the upper left side.

For students with accepted financial aid sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no further action is necessary. Students with unpaid tuition charges in excess of pending aid will be automatically enrolled in the ASU Payment Plan.

Note: If financial aid is not awarded and accepted by the tuition due date, tuition charges must be paid in full to avoid automatic enrollment in the ASU Payment Plan and assessment of the nonrefundable ASU Payment Plan fee of \$100 for resident students and \$200 for non-resident students.

By registering for classes you agree to pay all applicable tuition and registration fees. Classes are not automatically cancelled for non-attendance or non-payment.

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

The Student Financial Assistance Withdrawal Policy will apply when a student receives financial aid funds and subsequently withdraws, drops out, takes an unapproved leave of absence, fails to return from an approved leave of absence, is expelled, or otherwise fails to complete the period of enrollment for which he or she was charged. See page 8 in this handbook or online at Financial Aid Payment.

Students with loans who would like to cancel or reduce their loans must inform the Student Financial Assistance Office in person within 14 days of the disbursement.

## Tuition and Fees, cont.

## Tuition Payment with Prepaid or College Savings Plans

Prepaid or College Savings Plan payments made payable to Arizona State University are generally accepted. Mail checks to Cashiering Services, Arizona State University, PO Box 870303 Tempe, AZ 85287-0303. Include the student's ASU ID number. Prepaid or College Savings Plan payments should be mailed at least two weeks prior to the applicable tuition due date to avoid automatic enrollment in the ASU Payment Plan and assessment of the non-refundable installment plan fee. Notification to Arizona State University of pending payments by the Prepaid or College Savings Plan does not exempt a student from automatic enrollment in the ASU Payment Plan and assessment of the nonrefundable installment plan fee.

## Sponsorship by Approved Governmental and Third-Party Agencies

Submit sponsorship authorization in person at the Student Accounts Office, by fax to 480.965 .9242 , or by e-mail sponsorbilling@asu.edu. Failure to do so by the tuition payment deadline will result in automatic enrollment in the ASU Payment Plan and assessment of a non-refundable enrollment fee of \$100 for resident students and $\$ 200$ for non-resident students. An acceptable letter of authorization must be submitted to the Student Accounts Office by August 25, 2018.

A $\$ 75$ per semester Sponsored Tuition Fee will be assessed to each sponsored student. Sponsored students are responsible for all tuition, fees, and late charges if the sponsoring agency fails to pay by the due date of the invoice. Questions about third party sponsorship may be directed to the Student Accounts Office.

International students who are required to carry student health insurance and are using coverage through their sponsor must receive approval from ASU Campus Health Services, Room 124, 480.965.2411. Governmental and Third-Party Agencies must have offices in the United States with invoices directed to a U.S. address.

## Tuition Payment Hours and Locations

| Tempe <br> campus | West <br> campus | Polytechnic <br> campus | Downtown <br> Phoenix <br> campus |
| :---: | :---: | :---: | :---: |
| Student <br> Services Bldg, <br> 2nd Floor | University <br> Center Bldg, <br> Ste 101 | Administration <br> Building, <br> Room 160 | University <br> Center Bldg, <br> Ste 112 |
| $1-855-278-$ <br> 5080 | $1-855-278-$ <br> 5080 | $1-855-278-$ <br> 5080 | $1-855-278-$ <br> 5080 |
| M-F 8:15am - <br> $4: 30 \mathrm{pm}$ | M-F 8:15am - <br> $4: 30 \mathrm{pm}$ | M-F 8:30am - <br> $4: 30 \mathrm{pm}$ | M-F 8:15am - <br> $4: 30 \mathrm{pm}$ |
|  |  |  |  |
|  |  |  |  |

Offices are closed in observance of the following holidays:
Labor Day-September 3, 2018
Veteran's Day (observed)-November 12, 2018
Thanksgiving-November 22-23, 2018
Holiday Break-December 24-25, 2018

## Qualified Tuition Reduction Program

A Qualified Tuition Reduction Program is available to faculty and staff who are employed at least 50\% time within the state University system, and to their spouses and dependent children. Employees must complete the Qualified Tuition Reduction Form every semester they attend, which can be obtained at Human Resources, the Student Accounts Office, or online at HR Forms under Tuition Reduction Program. The completed form may be submitted to Student Accounts (Tempe Campus), Student Services Building Room 230, or at the West, Polytechnic, or Downtown Phoenix campus Cashiering Offices. The form may also be faxed to 480.965.9242 or emailed to tuitionreduction@asu.edu. Forms should be submitted early and received by the Student Account Office by the tuition due date. The Qualified Tuition Reduction Program does not cover 100\% of your tuition and fees. The outstanding portion of the tuition and fees will be billed on your student account and should be paid by the due date to avoid late fees.

## Tuition and Fees, cont.

Non-residents are not eligible for the Qualified Tuition Reduction Program. Please contact Residency Classification at 480.965.7712. Residency processing can be time-consuming, so apply early. You must be employed on the first day of the semester to be eligible for the Qualified Tuition Reduction Program. The Qualified Tuition Reduction Form must be processed by the Student Accounts Office on or before the first day of the session to qualify for reduced tuition. Forms submitted after the first day of the session will not be accepted and you will be held responsible for the full tuition and fees.

## Graduate Assistants

Students identified as Research and Teaching Assistants receive tuition assistance if they meet employment and class enrollment requirements. RA/TA remissions do not cover 100\% of tuition and fees. If eligible for a remission, the remaining tuition and fees will be billed on your student account with a August 25, 2018 due date.

## Differential Tuition and Program Tuition

Certain graduate, undergraduate, colleges and programs assess additional differential tuition and program tuition which differs according to college and/or program. Contact your program advisor for details on these fees or see the Tuition Estimator.

## Excess Hours Tuition

The Arizona Legislature enacted legislation in 2005 (A.R.S. § 151626) that establishes credit hour thresholds for undergraduate students who attend a public university in Arizona. Undergraduate students who enroll for credit hours beyond the applicable threshold of 145 hours are required to pay a tuition surcharge. The tuition surcharge is billed in addition to tuition, program tuition, mandatory fees and class fees. Please see the Tuition and Fees website for additional information.

## Special Class, Hybrid, ocourse and icourse Fees

Special class, hybrid, ocourse and icourse fees are assessed based on enrollment in specific classes. Class fees are published with each class through class search.

## Financial Aid Trust Fee

All students are assessed a mandatory financial aid trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund, from which Financial Aid Trust Grants are awarded under the usual aid eligibility criteria. Fees collected from students are matched by the State of Arizona. See the Tuition and Fees Schedule for additional information.

## Technology Fee

All students are assessed a mandatory technology fee as authorized by the Arizona Board of Regents to fund technology initiatives and improve access on all campuses. See the Tuition and Fees Schedule for additional information.

## Student Programs Fee

All students are assessed a mandatory student programs fee as authorized by the Arizona Board of Regents to provide funding for new or enhanced facilities and student support programming. See the Tuition and Fees schedule for additional information.

## Recreation Fee

All students are assessed a recreation fee allowing access to recreation facilities on all four ASU campuses. See the Tuition and Fees Schedule for additional information. Faculty/ staff who are attending classes and all online students are not assessed the recreation fee. Please contact the Student Recreation Complex at 480.965.8900 for information on how to become a member.

## Tuition and Fees, cont.

## Health and Wellness Fee

All students are assessed a health and wellness fee as authorized by the Arizona Board of Regents to enhance services for students who seek both preventative and acute care and to expand outreach and wellness education and services.

## Student Service Facility Fee

All students are assessed a Student Services Facility Fee as authorized by the Arizona Board of Regents to provide funding for new and enhanced student service facilities. See the Tuition and Fees Schedule for additional information.

## Student Athletic Fee

The Student Athletic Fee will fund reinvestment in academic support areas, strengthen undergraduate and graduate academic experiences, and enhance student engagement in athletics, including access to Sun Devil Athletics sporting events and enhanced game day experiences in Sun Devil Stadium, Wells Fargo Arena and other athletic venues. This fee was initiated and supported by Undergraduate Student Government and the Graduate and Professional Student Assembly.

## Resident Surcharge Fee

The Resident Surcharge Fee is a per semester fee assessed to resident students during the 2018/2019 school year. The Resident Surcharge Fee will partially offset state budget reductions to maintain and achieve current academic goals and standards.

## Late Registration Fee

All students who register for Sessions A \& C on August 8, 2018 and after, will be assessed a late registration fee of $\$ 50.00$. For Session B, students who register after October 2, 2018 will be assessed the late registration fee. Registration after the published deadline may be permitted under extraordinary circumstances if approved by an authorized College designee. Late registration fees are not refundable.

## Tuition Receipt

For students requiring tuition receipts for insurance, reimbursement, or other reasons, login to My ASU and select the "Finances" link on the upper left side, then click the Tuition Receipt link. For in person assistance or additional documentation,
see campus locations under "Tuition Payment Hours", page 14.

## Delinquent Financial Obligations

Students with delinquent accounts will not be allowed to register for classes or obtain official transcripts or diplomas. The University reserves the right to involuntarily withdraw students with severely delinquent accounts from current semester courses. University billings not paid by the due date are subject to monthly late charges beginning 30 days past due and continuing monthly until paid in full. The monthly late charge for past due balances between $\$ 20-\$ 50$ is $\$ 5$, for balances between $\$ 51-\$ 400$ is $\$ 10$, for balances between $\$ 401-\$ 1,000$ is $\$ 25$, for balances between $\$ 1,001-\$ 3,000$ is $\$ 50$, for balances between $\$ 3,001-$ $\$ 5,000$ is $\$ 75$, and for balances greater than $\$ 5,000$ is $\$ 100$. Former students with outstanding charges may be referred to an outside collection agency with late fee assessment continuing monthly until paid in full.

## Returned Checks

A \$25 fee is assessed for returned checks and eChecks. Students with multiple returned checks or eChecks are subject to a permanent registration hold requiring advanced payment in secure funds prior to registration or access to other University services.

## Student Health Insurance

Eligibility: Group Health insurance is available to:

- Undergraduate students registered for at least seven units or have a consortium agreement to take courses at another qualified college with an overall credit hour total of at least six units
- Graduate students enrolled in degree or certificate programs, and taking at least three credit hours or one dissertation/thesis hour

Graduate, Teaching or Research Assistants who are offered insurance as part of their employment must enroll in the insurance, enrollment is not automatic.

- International student enrollment in Student Health Insurance is mandatory and the cost of insurance is automatically


## Tuition and Fees, cont.

added to registration fees. Waiver exception may be available. For additional information or waiver application https:// eoss.asu.edu/health/resources/international.

Student Health Insurance enrollment is available through My ASU (my.asu.edu) by selecting Campus Services, Health and Wellness Resources. Once enrolled for Student Health Insurance, you will be automatically re-enrolled into the plan each subsequent semester once you have registered for classes. The premium will be billed to your student account.

Coverage may be added or dropped through the first 2 weeks of each semester/session. Complete withdrawal from the University on or before the end of this two week period may not result in automatic cancellation of student health insurance. To cancel or add insurance prior to the end of open enrollment, go to MyASU under Campus Services, Health \& Wellness Resources. The insurance cannot be cancelled if complete withdrawal from the University occurs after this two week period or if the insurance has been utilized. You may also direct questions and concerns to insurance@asu.edu.

Additional information about coverage, eligibility, cost, and payment options can be found at https://eoss.asu.edu/health or https://www.aetnastudenthealth.com, enter ASU. Students with Medicare are not eligible to purchase student insurance.

## Institutional Refund Policy

## Tuition and Fees

Tuition and fees are subject to a 100\% refund if enrollment is officially cancelled within the refund period. In the Fall and Spring semesters, for classes eight weeks or longer, the refund period is two weeks, and for classes shorter in length the refund period is one week. Please see the Tuition Refund Policy for additional information.

Beginning the first day of classes, undergraduate students are required to work with the College of their major to facilitate the withdrawal process.

The $100 \%$ refund period is one week for sessions shorter than eight weeks and dynamically dated classes. All refunds are less any amounts owed to the University and are subject to payment holding periods. Students withdrawing for medical or other extenuating circumstances must contact their college to initiate the process. Tuition is non-refundable after the first week of these sessions/classes.

The University provides a prorated refund for students receiving financial aid; therefore, the refund schedule is the minimum amount refundable to these students. Withdrawal or cancellation occurs on the calendar day that withdrawal is processed either in person at any Registrar site or online using My ASU. See the Financial Aid Withdrawal Policy for additional information.

## Student Account Refund (Disbursement)

Financial aid is posted to your student account and used to pay University charges such as tuition, Residential Life, meal plan and health insurance fees. Refunds of excess financial aid will be processed beginning the week before classes and will continue to be processed throughout the semester. Any changes to your schedule that results in a fee increase or any other fees incurred after financial aid disbursement, will be your responsibility to pay by the due date. You may view details of your student account, including financial aid refunds, by logging into My ASU select the "Finances" link on the upper left side, and select the Refunds link.

Note: To receive your financial aid refund beginning the week before classes, you must register for classes, complete your financial aid packet, and accept your loans at least two weeks before the semester begins. Financial aid refunds will be mailed or direct deposited to your bank account.

Refund by direct deposit to your bank account is available and is the most convenient way to receive student account refunds. Direct deposit enrollment is available at My ASU My ASU by selecting the "Finances" link on the upper left side, and clicking "Direct Deposit" in the Financing Tasks box under "Manage Payments". Further information is available at Tuition and Billing or in the Student Accounts Office on the 2nd floor of the Student Services Building (Tempe campus). Direct deposit enrollment must be completed a minimum of two weeks prior to your refund being issued. For students not enrolled in direct deposit, or who do not meet the direct deposit enrollment deadline, refund checks will be mailed. Keep your mailing address up to date to ensure that refund checks are received in a timely manner. View and update your address on My ASU by clicking on "My Profile" in the top-right corner. If you request a replacement check there is a $\$ 20$ per check reissue fee. All student account refund checks will be mailed.

## Transportation Options

For all transportation related inquiries, including parking permit rates and locations, free campus shuttle services, Valley Metro bus and light rail passes, visitor parking, and bicycling on campus, please visit the ASU Parking and Transit Services website at http://parking.asu.edu.

| Tempe campus | West campus | Polytechnic campus | Downtown Phoenix campus |
| :---: | :---: | :---: | :---: |
| University Towers <br> 525 S. Forest Avenue <br> Tempe, AZ 85287 <br> Entrance located on Fifth St. | North Services Building <br> 4776 W. University Way N. <br> Glendale, AZ 85069 | (107-4 E. Tiburon, BIdg 4 <br> Mesa, AZ 85212 | University Center <br> Suite 116 <br> 411 N. Central Avenue <br> Phoenix, AZ 85004 |
| $480-965-6124$ | $480-965-6124$ | $480-965-6124$ | $480-965-6124$ |

## Campus Maps

Utilizing www.asu.edu/map is a great resource for finding your way around any of the ASU campuses, finding public parking, wireless computing zones, buildings and facilities such as bookstores, computer labs, and more. By clicking on the link below, you can use the tabs at the top of the page to see the individual map of each location.


## Ombudspersons

While all faculty and staff within the University community serve to facilitate matters, the following individuals have been designated to serve as ombudspersons (impartial fact-finders and problem solvers). They have no power to reverse or change decisions but have conciliation skills to help resolve matters.

| Chair | Paul Karoly | College of Liberal Arts and Sciences | 480.965 .5404 |
| :--- | :--- | :--- | :--- |
| Academic / Student Affairs | Jeffery Banner | College of Liberal Arts and Sciences | 480.965 .6505 |
|  | Kaylen Cons | Student Services | 480.965 .5302 |
|  | Joseph Chapman | ASU Online | 480.884 .1609 |
|  | Elaine Rostad | Student Services | 602.496 .2153 |
| Academic Professionals | Richard Filley | Ira A. Fulton School of Engineering | 480.727 .5252 |
| Staff Personnel | Michelle Johnson | ASU Gammage | 480.965 .5062 |
| Tempe Campus | Barzin Mobasher | Ira A. Fulton School of Engineering | 480.965 .0141 |
|  | Paul Karoly | College of Liberal Arts and Sciences | 480.965 .5404 |
|  | Ajith Kumar | W.P.Carey School of Business | 480.965 .5544 |
| West Campus | Duku Anokye | New College of Interdisciplinary Arts and Sciences | 602.543 .6020 |
|  | Douglas Kelley | School of Social and Behavioral Studies | $602-543-6641$ |
|  | lan Moulton | College of Integrative Sciences \& Arts | 480.727 .1172 |
| Downtown Campus | Beatrice Kastenbaum | College of Nursing and Health Innovation | 602.496 .1408 |
|  | Edwin Gonzalez-Santin | College of Public Service and Community Solutions | 602.496 .0101 |
|  | Kevin Ellsworth | School of Letters and Sciences | 480.727 .7090 |

## University Policies

## Family Educational Rights and Privacy Act

## General Information

The federal Family Educational Rights and Privacy Act (also known as FERPA, and/or the Buckley Amendment) affords students certain rights with respect to their education records They are:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

Note: Students must provide photo identification in order to access their education records.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students who believe their record is inaccurate or misleading should write to the University official responsible for the record. Clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing about the request for amendment. Additional information about the hearing procedures will be provided to the student when notified of the right to a hearing

Note: FERPA does not address grade disputes or grievances which are pursued through other University and/or college procedures.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interest. School officials are administrators, faculty, professional staff, academic advisors, clerical or support employees, including ASU law enforcement unit personnel and ASU health staff, volunteers, a person or company with whom the University has contracted as its agent, acting with legitimate educational interest to provide a service instead of using University employees or officials (such as an attorney, auditor, collection agent, service provider); a person serving on the Board of Regents; staff in the Alumni Association and ASU Foundation offices, or a student serving on an officia committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

Additional exception categories may be found in SSM 107-01: Release of Student Information which is located on the web at http://www.asu.edu/aad/manual/ssm/ssm107-01.html

A school official has a legitimate educational interest if the interest in an education record is justified under one or more of the following conditions:

- The information or records requested are relevant and necessary to accomplish some task or determination related to the legitimate educational interest of the student;
- the official needs to review an education record in order to fulfill his or her professional responsibilities for the University;
- the task or determination is an employment responsibility or a properly assigned subject for the inquirer's determination and/or
- the task or determination is consistent with the purpose for which the records, information, or data are maintained.

Note: A parent of a dependent student may challenge denial of access to the dependent student's record by producing the most current copy of Internal Revenue Form 1040. (Dependency is defined in Section 152 of the Internal Revenue Code.) If that form lists the student in question as a dependent, the parent

## University Policies, cont.

will be required to sign an Affidavit of Dependency which affirms that the student is his/her tax dependent. The affidavit will be retained by the University Registrar Services and must be renewed each tax year. Upon receipt of these documents, the dependent student records will be made available to the parent as specified under FERPA.
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Arizona State University to comply with the requirements of FERPA. Students are encouraged to first contact the University Registrar's
Administration Office at 480.965.7302. A complaint may be filed with the Department of Education at the following address:

Family Policy Compliance Office
U.S. Department of Education

400 Maryland Avenue, SW
Washington, DC 20202

## Definitions:

Student is any individual formally admitted and is or has been in attendance at ASU. The term does not apply to applicants for admission, nor does it apply to persons who have been admitted but who have not registered.

Education Record is any record(s) directly related to a student and maintained by Arizona State University or by a party acting for the University. This includes any information or data recorded in any medium, including, but not limited to: handwriting, print, computer media, video or audio tape, film, microfilm, and microfiche.

Directory Information (or releasable information) is general information that may be released to anyone without the consent of the student, unless the student indicates otherwise, except to the extent that FERPA authorizes disclosure without consent, including:

- Student Name
- Addresses (e.g., local, home, mailing and ASU e-mail, including directory number)
- Telephone Number(s)
- Date of Birth
- College
- Major
- Academic Level
- Dates of Attendance
- Enrollment status (e.g., undergraduate or graduate, full-time or part-time)
- Most Recently Attended Institution
- Participation in Officially Recognized Activities/Sports
- Weight/Height of Members of Athletic Teams
- Degrees, Honors and Awards Received (including Dean's List, National Merit, National Achievement, and National Hispanic Scholars)

Personally Identifiable Information (or non-releasable information) includes all information not defined as directory information, plus any information including directory information that the student has instructed ASU not to release. Personally identifiable information may not be released without the prior written consent of the student, except to the extent that FERPA authorizes disclosure without consent.

## Student Control of Directory Information

Students may control release of directory information by submitting the appropriate form to any University registration location.

Unless otherwise requested, a student's name, email address, academic level, college and major may appear in the directory of faculty, staff, and students on ASU's web directory. To avoid the release of directory information in the printed directory, complete the appropriate form located at
students.asu.edu/forms/withhold-directory-information-request.

## University Policies, cont.

ASU has a policy that regulates and permits the sale of enrolled student directory information only through the University Registrar's Office. Unless otherwise directed by the student, directory information is subject to sale to outside purchasers.

Students accessing education records or receiving University services must provide proof of identification.

Questions or requests for additional information may be directed to any University registration location. Additional information, including FAQ's, is available on the web at
http://students.asu.edu/policies/ferpa.
ACD 401: Prohibition Against Discrimination, Harassment, and Retaliation

Arizona State University is committed to providing an environment free of discrimination, harassment, or retaliation for the entire university community, including all students, faculty member, staff employees, and guests. ASU expressly prohibits discrimination, harassment, and retaliation by employees, students, contractors, or agents of the university based on any protected status: race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, and genetic information.

Inappropriate conduct need not rise to the level of a violation of federal or state law to constitute a violation of this policy and to warrant disciplinary action/sanctions.

All employees, students, volunteers, contractors and agents are responsible for participation in and assisting with creating and maintaining an environment at ASU free from all forms of prohibited discrimination, including harassment and retaliation.

## ACD 402: Romantic or Sexual Relationship Between Faculty

 Members and Students.ACD 815: Romantic or Sexual Relationships Between Staff/ Volunteers and Students
TA/RA Handbook: Prohibition of Amorous Relationships
SPP 205: Nepotism and Relationships Between Employees
No employee of the university may hire, review, supervise, direct, discipline, promote, influence, or participate in decisions involving hire, retention, supervision, promotion, evaluation or compensation of a relative or member of the employee's established household, or a person with whom the employee is in a romantic or sexual relationship.

Additionally, all employees, including Faculty, staff and volunteers as well as TA/RA's are prohibited from engaging in a romantic or sexual relationship with a student over whom they exercise, or can reasonably be expected to exercise, academic or employment authority or influence. Such authority or influence includes,
but is not limited to, employment-related decisions such as hiring, evaluation or discipline, and academic-related decisions such as grading, transfers, evaluations, formal mentoring or advising, supervision of research, employment of a student as a research or teaching assistant, exercising substantial responsibility for honors or degrees, or considering academic disciplinary action involving the student.

## Title IX Compliance

Title IX of the Education Amendments of 1972 protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. Sexual harassment, which includes acts of sexual violence, is a form of sex discrimination prohibited by Title IX. ASU does not discriminate on the basis of sex in the employment, education programs or activities it operates.

ASU is committed to providing an environment free from discrimination based on sex and provides a number of resources and services to assist students, faculty and staff in addressing issues involving sex discrimination, including sexual violence.

Sexual violence, sexual harassment, stalking and relationship violence have a profound impact on a victim's academic, social, working, and personal life, and negatively affects victims' friends and families, other students, co-workers, and members of the university community. To combat this complex social problem, ASU provides a variety of resources and education programs designed to prevent sexual violence and other acts of sexual misconduct, including sexual harassment, provide information about what to do when an incident has occurred, and increase awareness of campus and community resources for support and response. For information about specific resources, educational opportunities, and policies and procedures, please go to ASU's Sexual Violence Awareness and Response website at:
https://sexualviolenceprevention.asu.edu/

## Discrimination Complaints

Complaints of alleged discrimination in employment and educational programs and activities on the basis of race, color, religion, national origin, sex, gender identity, sexual orientation, age, disability, and qualified veteran statuses may be referred to the offices listed on the following page for review, investigation and resoIution.

## No Retaliation

A report of alleged discrimination can be made without fear of jeopardizing the employment or academic standing of an employee or student.

## University Policies, cont.

File a Complaint

| Against an ASU Stu- | Downtown Phoenix <br> dent | Polytechnic <br> Administration Bldg, | Tempe \& Online Stu- <br> dents | West |
| :--- | :--- | :--- | :--- | :--- |
| Contact the office of | Room 243, | Room 102 | Student Services Bldg, Bldg, |  |
| student rights and re- | $602-496-0670$ | $480-727-5269$ | Room 263 | Room 301 |
| sponsibilities on your |  |  | $480-965-6547$ | $602-543-8152$ |
| campus: |  |  |  |  |

## File a Criminal Complaint

| ASU Police | 325 E. Apache Blvd., Tempe, AZ 85287-1812 |
| :--- | :--- |
|  | Emergency: 911 |
|  | Non-emergency: 480-965-3456 |

Additional questions can be directed to:

## TITLE IX COORDINATOR AND SPECIAL COUNSEL

Jodi Preudhomme, Office of the President
PO Box 877705
Tempe, AZ 85287-7705
480.965.0696/480.965.0865 fax

Jodi.Preudhomme@asu.edu

## Accommodations for Students with Disabilities

To help facilitate access to programs and services at ASU from the first day of classes, students with disabilities should use the following process:

- Register for classes on their assigned Registration Date, and
- Make sure you are registered with the DRC office
- Request accommodations from the Disability Resource Center immediately following enrollment (please note you need to request each semester).

Note: Some accommodations, including but not limited to: alternative print formats, (e.g., Braille, e-text, large print), interpreting services, lab materials conversions, assistive technology, and the hiring of lab assistants, may require up to one semester in preparation time.

Returning Students: Go to https://eoss.asu.edu/drc, sign into DRC Connect to request accommodations for ASU classes.
New Students: Go to https://eoss.asu.edu/drc, select DRC Connect link and submit a new student application to initiate your registration with the DRC. Make sure to use your ASURITE username and password. If you have questions, do not hesitate to contact one of our offices below.

Contact Information: You can reach any of our Disability Resource Center offices by utilizing the information below:
drc@asu.edu
(480)965-1234

| Tempe campus | West campus \& Thunderbird | Polytechnic campus | Downtown Phoenix campus \& Tucson School of Social Work |
| :---: | :---: | :---: | :---: |
| Matthews Center, 1st floor | University Center Building, Room 304 | Sutton Hall, Room 201 | POST 201 |
| Monday-Friday / 8:00am-5:00pmAcadomic Catalog Archiv 2018-2019 |  |  |  |

## Directory of Selected Campus Services, Resources, and Contacts

| Campus | Phone | Email | Location | Mailing Address |
| :---: | :---: | :---: | :---: | :---: |
| Tempe campus | 480.965.9011 | askasu@asu.edu | University Dr. and Mill Ave., Tempe, AZ | See: asu.edu/contactasu/addressing |
| West campus | 602.543.5500 | westinfo@asu.edu | 4701 W. Thunderbird Rd., Glendale, AZ 85306 | PO Box 37100, Phoenix, AZ 850697100 |
| Polytechnic campus | 480.727.3278 | poly@asu.edu | Power Rd. and Williams Field Rd., Mesa, AZ | 7001 E. Williams Field Rd, Mesa, AZ 85212 |
| Downtown Phoenix campus | $\begin{gathered} \text { 602.496.INFO } \\ (4636) \end{gathered}$ | askdpc@asu.edu | 411 N. Central Ave., Phoenix, AZ 85004 | See: asu.edu/contactasu/addressing |
| University Registrar Services |  |  |  |  |
| Campus | Phone | Fax | Location | Mailing Address |
| Tempe campus | 480.965 .3124 | 480.965.7722 | Student Services Bldg, Rm 140 | PO Box 870312 Tempe, AZ 85287 |
| West campus | 602.543.8203 | 602.543.8312 | University Center Bldg, Rm 101 | PO Box 37100 Phoenix, AZ 85069 |
| Polytechnic campus | 480.727.1142 | 480.727.1008 | Administration Bldg | 5990 S. Sterling Mall, Mesa, AZ 85212 |
| Downtown Phoenix campus | 602.496.4372 | 602.496 .0376 | University Center Bldg, Rm 130 | 411 N. Central Ave., Phoenix, AZ 85004 |
| Residency Classification |  |  |  |  |
| Campus | Phone | Fax | Email | Location and Mailing Address |
| Tempe campus | 480.965.7712 | 480.727.6630 | residency@asu.edu | Student Services Bldg, Rm 140 PO Box 870312 Tempe, AZ 85287 |
| Student Business Services |  |  |  |  |
| Department | Phone | Fax | Location | Mailing Address |
| Collections | 480.965.5220 | 480.965.4587 | Student Services Bldg, Rm 234 | PO Box 870303 Tempe, AZ 852870303 |
| Student Financial Assistance |  |  |  |  |
| Campus | Phone | Fax | Email | Location and Mailing Address |
| Tempe campus | 855.278.5080 | 480.965.9484 | N/A | Student Services Bldg, 2nd Floor PO Box 870412 Tempe, AZ 85287 |
| West campus | 855.278 .5080 | 480.965.9484 | N/A | University Center Bldg, Rm 101 PO Box 37100 Phoenix, AZ 85069 |
| Polytechnic campus | 855.278 .5080 | 480.965.9484 | N/A | Administration Bldg 5990 S. Sterling Mall Mesa, AZ 85212 |
| Downtown Phoenix campus | 855.278.5080 | 480.965.9484 | N/A | University Center BIdg, Rm 166 411 N. Central Ave., Phoenix, AZ 85004 |
| Student Employment Office |  |  |  |  |
| Campus | Phone | Fax | Email | Location and Mailing Address |
| Tempe campus | 480.965.5186 | 480.965.9816 | seo@asu.edu | Student Services Bldg, 2nd Floor PO Box 870412, Tempe, AZ 85287 |

## Student Right to Know Act and Higher Learning Commission Data

As part of the federal Student Right to Know Act, institutions receiving Title IV funding are required to disclose certain information, such as completion or graduation rates of degreeseeking, full-time students entering the institution, to current and prospective students. Similarly, the Higher Learning Commission requires that institutions publish student achievement information, such as completion rates, job placement rates or other information useful for current and prospective students. In furtherance of those mandates, the following "Facts About ASU" section provides valuable consumer information about the success of ASU's students.

## Facts About ASU

Arizona State University enjoys a national reputation as a leading research institution. ASU produces more graduates than any other university in the state. Students from around the nation and the world choose ASU because of its diversity and quality of academic, student, and research programs, a beautiful campus setting, and the value of the ASU degree in today's world.

## Academic Environment

ASU offers 186 bachelor's degree programs, 190 master's degree programs, 88 doctoral programs, and one law degree program.

## Undergraduate Students

ASU enrolled 12,337 new freshmen for the Fall 2017 semester
Of the new freshmen, 29\% graduated in the top 10\% of their high school class. The average ACT composite score of first time fulltime freshmen is 24 . The average SAT combined score is 1198.

ASU enrolled 10,796 new transfer students for the Fall 2017 semester with $37.7 \%$ of the new transfers coming from community colleges in Arizona.

The graduation rate for 2012 lower division transfer students graduating in 5 years or less was 58.3\%

The graduation rate for 2013 upper division transfer students graduating in 4 years or less was $73.4 \%$

## Undergraduate Enrollment

ASU enrolled 83,551 undergraduates in the Fall 2017 semester. Seniors (Seniors: 29,901; Juniors: 23,483; Sophomores: 16,490;

Freshmen: 13,240 ) compose the largest class, representing more than a quarter of the student body and over a third of the under graduate enrollment. ASU enrolled students from every state and from 122 countries in the Fall 2017 semester.

## Undergraduate Student Profile

$38.7 \%$ are from ethnic minority backgrounds
7.1\% are international students

The average age is 24 .

## Graduate Enrollment

ASU enrolled 20,016 graduates in the Fall 2017 semester
Graduate Student Profile
$27.2 \%$ are from ethnic minority backgrounds.
21.6\% are international students.

Student Athlete Profile

For information on student athlete graduation rates, please visit the following webpage
http://www.ncaa.org/about/resources/research/graduation-rates

## Degrees Awarded

In 2016-2017, ASU awarded 16,450 bachelors, 6,008 masters, 677 doctoral and 199 law degrees.

The graduation rate for 2011 first time, full time freshmen graduation in six years or less was 63.1\%. Information on students who transfer out from ASU is not recorded, therefore is not available.

The six-year graduation rate for 2011 first time, full-time freshmen receiving Pell grants, receiving subsidized Stafford Loans but no Pell grant, and receiving neither Pell grant nor Stafford loan was $54.9 \%, 57.7 \%$ and $70.7 \%$ respectively.

Career and Professional Development Services
ASU's Career and Professional Development Services posts career outcomes data at the following address: https://
eoss.asu.edu/cs/asuhighlights

## University Policies

## Academic Integrity

## What is Academic Integrity?

No matter what stage of your educational or professional career pursuits, acting with integrity is a cornerstone of leadership and good citizenship. Integrity is a character-driven commitment to honesty, doing what is right, and guiding others to do what is right. Arizona State University students and faculty are expected to act with integrity in their educational pursuits.
Academic dishonesty falls into five broad areas that include but are not limited to:

1. Cheating on an academic evaluation or assignment.
2. Plagiarizing.
3. Academic deceit, such as fabricating data or information.
4. Aiding academic integrity policy violations and inappropriately collaborating.
5. Falsifying academic records.

It is important that you understand what constitutes a violation of academic integrity. The ASU community is here to help you stay informed and to provide resources to avoid these kinds of violations. Please read ASU's academic integrity policy found here and visit the student resource page found here.

Mostly importantly, if you are not sure if something is really cheating, ask your professors, academic integrity officers, T.A.s or academic advisors.

## ASU Student Honor Code

The ASU student honor code affirms the commitment of ASU students to uphold the values, principles, and ethics of academic integrity.

## Honor Code

"We, the students of Arizona State University, have adopted this code as an affirmation of our commitment to academic integrity and our participation in ethical education.
We embrace our duty to uphold ASU Honor's Code, and in light of that duty,
We promise to refrain from academic dishonesty.
We pledge to act with integrity and honesty and to promote these values among our peers. We agree to always abide by the Sun Devil Way [1] and uphold the values of the New American University. [2]"

Source URL: https://provost.asu.edu/academic-integrity

## Links:

[1] https://eoss.asu.edu/sundevilway
[2] https://newamericanuniversity.asu.edu/

## Why is Academic Integrity Important?

## Foundational Value

Academic integrity is a fundamental value and is paramount to your success as a student. Protecting the ASU community from violations of academic integrity is everyone's responsibility.

## Academic Integrity Violations negatively impact:

## You as a student

If you cheat in a course or another academic exercise, you are taking away your opportunity to learn, develop and improve your skills, and obtain an educational degree that reflects your own academic achievements.

## The ASU community

ASU is an intellectual community focused on teaching, research and the values of the New American University. The creation, transmission, sharing and applying of knowledge are central activities of the community. Cheating violates fundamental values of the university community.
Future employers, clients or patients
Cheating can hurt the people you will work with in the future. You are preparing for careers where you will provide services to others-legal, journalistic, medical, research, etc. If you do not learn how to do this work, you have cheated your future employers and clients of a knowledgeable professional.

## Student Policy

## What is a violation of the academic integrity policy?

Academic dishonesty falls into five broad areas that include but are not limited to:

1. Cheating on an academic evaluation or assignment.
2. Plagiarizing.
3. Academic deceit, such as fabricating data or information.
4. Aiding academic integrity policy violations and inappropriately collaborating.
5. Falsifying academic records.

## What are the consequences?

At Arizona State University, academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to appropriate grade penalties, loss of registration privileges, disqualification and dismissal. ASU strictly adheres to the academic integrity policy.
This policy sets forth the ASU Student Academic Integrity Policy and appeal procedures.
View full policy [1]

## Additional policies to be aware of:

## Student Code of Conduct

Violations of the ASU Student Code of Conduct, other than the provision concerning academic dishonesty, are more generally considered inappropriate behavior. The Office of Student Rights and Responsibilities [2] reviews and sanctions these matters. If a student violates both the academic integrity provision and additional provisions of the Student Code of Conduct, both the college and the Office of Student Rights and Responsibilities will review the matter. Each independently makes determinations concerning violations and appropriate sanctions.

## Misconduct in Research

For graduate students and undergraduates involved in research, there can be overlapping areas between Academic Integrity Policy violations, responsible conduct of research and research misconduct. The five areas listed above describe the kinds of Academic Integrity Policy violations and are handled under the ASU Student Academic Integrity Policy by faculty members, colleges and the provost.
If a student is working on a federally funded research project, some of these items may also be considered misconduct in research [3]. Misconduct is defined as:

Fabrication, falsification, plagiarism and other practices that seriously deviate from those that are commonly accepted within the academic community for proposing, conducting or reporting research. Instances of honest error and honest differences in interpretations or judgments of data are not considered misconduct. (From RSP 004: Definitions [4])
A student who violates both ASU's Misconduct in Research Policy and Student Academic Integrity Policy will be reviewed by both the college and the Office of Knowledge Enterprise Development's Office of Research Integrity and Assurance [5] (ORIA). Each independently makes determinations concerning violations and appropriate sanctions.

In addition, some actions might be considered violations of the norms of responsible conduct of research, but not Academic Integrity Policy violations or misconduct in research. Many of these incidents fall into the general category of "collaborator disputes." For example, if a doctoral graduate of ASU continued a line of research begun at ASU in a new lab external to ASU, and the ASU mentor objected, generally speaking the matter would be addressed as a collaborator dispute, rather than as an Academic Integrity Policy violation or misconduct in research. Many conflicts over appropriate authorship credit on publications also fall into this area.

Source URL: https://provost.asu.edu/academic-integrity/impact

## Link:

[1] https://provost.asu.edu/academic-integrity/policy
[2] https://eoss.asu.edu/dos/srr
[3] https://www.asu.edu/aad/manuals/rsp/rsp210.html
[4] https://www.asu.edu/aad/manuals/rsp/rsp004.html\#misconduct
[5] https://researchintegrity.asu.edu/

## Student Policy

At Arizona State University, academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to appropriate grade penalties, loss of registration privileges, disqualification and dismissal. ASU strictly adheres to the academic integrity policy. This policy sets forth the ASU Student Academic Integrity Policy and appeal procedures.

## Student Obligations to Academic Integrity

Each student must act with honesty and integrity, and must respect the rights of others in carrying out all academic assignments. A student may be found to have engaged in academic dishonesty if, in connection with any Academic Evaluation or academic or research assignment (including a paid research position), he or she:

1. Engages in any form of academic deceit;
2. Refers to materials or sources or uses devices (e.g., computer disks, audio recorders, camera phones, text messages, crib sheets, calculators, solution manuals, materials from previous classes, or commercial research services) not authorized by the instructor for use during the Academic Evaluation or assignment;
3. Possesses, reviews, buys, sells, obtains, or uses, without appropriate authorization, any materials intended to be used for an Academic Evaluation or assignment in advance of its administration;
4. Acts as a substitute for another person in any Academic Evaluation or assignment;
5. Uses a substitute in any Academic Evaluation or assignment;
6. Depends on the aid of others, including other students or tutors, in connection with any Academic Evaluation or assignment to the extent that the work is not representative of the student's abilities;
7. Provides inappropriate aid to another person in connection with any Academic Evaluation or assignment, including the unauthorized use of camera phones, text messages, photocopies, notes or other means to copy or photograph materials used or intended for Academic Evaluation;
8. Engages in Plagiarism;
9. Uses materials from the Internet or any other source without full and appropriate attribution;
10. Permits his or her work to be submitted by another person in connection with any Academic Evaluation or assignment, without authorization;
11. Claims credit for or submits work done by another;
12. Signs an attendance sheet for another student, allows another student to sign on the student's behalf, or otherwise participates in gaining credit for attendance for oneself or another without actually attending;
13. Falsifying or misrepresenting hours or activities in relationship to an internship, externship, field experience, clinical activity or similar activity; or
14. Attempts to influence or change any Academic Evaluation, assignment or academic record for reasons having no relevance to academic achievement.

## Allegations of Academic Dishonesty

This policy is not intended to address differences of opinion over grades issued by an instructor exercising good faith and professional judgment regarding a student's work. Before any action is taken under this Policy that may result in the withdrawal, suspension or expulsion of an international student, both the student and the academic program are advised to consult with the ASU International Student Office.

These procedures are designed to encourage a fair and appropriate response to allegations of academic dishonesty. They may be modified in individual cases, so long as the student is provided an opportunity to respond to allegations of academic dishonesty within a reasonable time after those allegations have been made. An Advisor may accompany the student at any point in the process. The Advisor will not be permitted to participate directly or speak for the student, but may be present during meetings and hearings.

1. Complaint.
2. Anyone with a good faith basis for believing that a student has violated this policy may report the alleged violation to the responsible instructor, chair, dean, director or designee. The person who pursues the allegation is called the "Initiator" in this policy. If for any reason, an Initiator is unable or unwilling to continue in that role, another university representative may continue as Initiator.
3. An individual who has received an allegation may decide not to initiate a complaint. This decision will not prevent another person from becoming the Initiator.
4. Response to Complaint.
5. An instructor who believes that a student has violated this policy in a class for which the instructor is responsible may assign any of the following sanctions:
6. a reduced grade for an assignment, or
7. a reduced grade for the course.
8. If the instructor wants to recommend another sanction set forth in Section IV, including an XE grade, the instructor must forward that recommendation for review by the College/School Board and approval by the Dean, Director or designee. The student and the instructor will be provided an opportunity to provide information to the College/School Board as part of its review.
9. At any time, the student and the Initiator may propose a resolution, but the Dean, Director, or designee, may choose to pursue the case on behalf of the University.
10. Information regarding the allegation or resolution may be provided to appropriate university representatives.
11. If the Initiator and the student are unable to agree on resolution, then the student, the Initiator, or a representative of the Dean or Director may submit the matter to the Dean, Director or designee of the College/School in which the alleged academic dishonesty occurred for review by the College/School Board.
12. After a formal request for review has been filed, the Student may remain in class or in the program until the appeal has been resolved. The student will not be given a refund, however, if the student is not successful in the appeal and the decision is made to remove the student from the class, program or university.
13. If the matter is not submitted by the student to the Dean, Director or designee for review within 10 days following the time the student is accused of academic dishonesty, the decision or recommendation of the instructor becomes final. If the instructor has submitted a request for an XE or any other sanction to the Dean, Director or designee, and the student has not requested review within 10 days of receiving notice of this request, the Dean, Director, or designee may enter a decision on the request. Only if the decision includes suspension or expulsion from the university will the student be able to request further review.

## Review by College/School Board

1. Within 10 days after the Student receives a reduced or "XE" grade, or other notice of the alleged academic dishonesty, the Student may submit a written statement to the Dean requesting review of the allegation, the sanction or the proposed sanction by the College/School Board. For the purpose of calculating the time for submitting a matter for review, the 10 day period is counted to include only days that fall within the regular fall or spring semester and do not include the summer sessions or intersession. The Dean may appoint an ad hoc board to conduct the review or may use a standing board. The review will take place during the regular fall or spring semester, unless the parties agree otherwise.
2. These procedures should guide the review process, but may be altered by the Chair of the College/School Board in consultation with the Office of General Counsel.
3. The Student statement should describe the alleged academic dishonesty, including a factual narrative of events and the dates and times of occurrences and any sanction or proposed sanction. The statement should also include the names of persons having information about relevant circumstances or events, the general nature and description of all evidence, and should be signed by the Student.
4. If the Student submits a request for review at the end of a semester, or during the last semester of enrollment, the course grade may be withheld for a reasonable period of time (normally not to exceed six months) until the matter is decided. In situations involving the student's last semester before graduation, the degree may be withheld pending the outcome of the hearing. If a grade or degree will be withheld for any period, the Initiator, Dean, Director, or designee must notify the Registrar's Office.
5. The Dean, Director or designee will forward the student's statement to the Chair of the College/School Board.
6. If the alleged cheating involves the work of multiple students, the College/School Board may modify these procedures to address the circumstances. The College/School Board should provide prior written notice to all interested parties of any modification of the procedures. A student who has not submitted a request for a review should not expect to benefit from a review requested by another student.
7. Hearing Proceedings
8. The Chair of the College/School Board will send a copy of the statement to the Initiator, together with a copy of this Policy or with instructions on accessing the policy electronically.
9. The letter to the student, a copy of which shall also be sent to the Initiator and the department chair, will include the following information:
10. Statement of time and place when a hearing on the charges will be held by the College/School Board;
11. Requirement that the parties to provide each other and the College/School Board a written list of witnesses and a description of any documents or other evidence they intend to use at the hearing. Unless the Chair provides otherwise, this information must be exchanged at least one calendar week before the hearing.
12. Prior to the hearing, the College/School Board will also advise the parties in writing of any additional time limitations or procedural requirements.
13. The Initiator shall have the burden of showing that it is more likely than not that the student engaged in academic dishonesty.
14. Issues shall be resolved fairly and as promptly as possible under the circumstances.
15. The hearing will be closed to the public. The student and the Initiator may remain in the hearing throughout the presentation of all evidence and testimony, although the College/School Board Chair may remove either party, any Advisor, or any witness if that person's conduct is disruptive.
16. The student and the instructor may each have an Advisor present but the Advisors shall not be permitted to address the College/School Board directly, except as the College/School Board Chair deems necessary or appropriate.
17. The College/School Board Chair has the final authority to resolve procedural disputes that arise. Although formal rules of evidence do not apply to the hearing process, the College/School Board Chair may limit the presentation of irrelevant or cumulative evidence, the number of witnesses and the length of each party's presentation.
18. The proceedings may be recorded, as determined by the College/School Board Chair.
19. When necessitated by fairness or extraordinary circumstances, the College/School Board may permit the parties to make arrangements for recorded, written, or telephonic testimony for use in the proceeding.
20. The hearing procedure will be as follows, unless the College/School Board Chair provides notice to the parties of alternative or supplemental procedures.
21. The College/School Board Chair will introduce the persons present at the hearing and remind all participants of the requirement that all information received in the hearing must be maintained in confidence.
22. The College/School Board Chair will read allegation of academic dishonesty.
23. The College/School Board Chair will make any necessary decisions or clarifications regarding procedure.
24. Testimony and Evidence Presented by the Initiator.
25. The Initiator shall offer evidence in support of the allegation.
26. The Initiator may call witnesses and present evidence.
27. The student may ask questions of the Initiator or any of the Initiator's witnesses, following each person's presentation.
28. College/School Board members may ask questions of the Initiator, the student or any of the Initiator's witnesses.
29. Testimony and Evidence Presented by the Student.
30. The student shall offer evidence in defense of the allegation.
31. The student may call witnesses and present evidence.
32. The Initiator may ask questions of the student or any of the student's witnesses, following each person's presentation.
33. College/School Board members may ask questions of the student, the Initiator, or any of the student's witnesses.
34. The College/School Board shall deliberate in private until a majority recommendation is reached and recorded. If the recommendation is not unanimous, dissenting opinions should be reflected in the recommendation submitted to the Dean or Director.
35. The College/School Board will prepare a written recommendation to the Dean or Director. The recommendation will include the Board's determination as to whether it is more likely than not that the student violated this policy. The decision should also include the College/School Board's findings with respect to the material facts.
36. If the Board finds a violation, the recommendation should recommend sanctions. The Board may consider prior violations or informal resolutions of previous allegations in its deliberations.
37. The College/School Board will submit its recommendation to the Dean or Director.
38. The Dean or Director may dismiss the allegation, may concur with or modify the recommendation or may request further proceedings, but may not make new findings adverse to the student or increase the severity of a sanction, unless the student has previously violated this policy.
39. After any additional proceedings and within a reasonable time, the Dean or Director will issue a decision. The Dean will provide written notice of the decision to the student, the Initiator, the instructor (if the instructor is not the Initiator), the College/School Board and the department chair (or administrative equivalent).
40. If the decision imposes a sanction of suspension or expulsion from the university, or revocation of a degree, the notice letter from the Dean or Director will state that the student may appeal the decision by filing a written request for review with the Provost of the campus at which the alleged violation occurred within 10 days of the date of the notice letter. If the student does not submit a written request for review within 10 days, the decision of the Dean or Director becomes final.
41. Once the student has provided written notice of an appeal of a sanction, the sanction will not be imposed until the appeal has been resolved with the exception that the university may withhold posting of a grade or completion of graduation until the matter has been resolved.

## Sanctions

1. Sanctions that may be imposed by an Instructor.
2. Subject to the procedures set forth in section III, an instructor, academic supervisor, or committee responsible for evaluation may impose any of the following sanctions for academic dishonesty:
3. Reduced or failing grade for assignment,
4. Reduced or failing grade for course, or
5. Reduced, failing grade, or no credit for other academic evaluation (e.g., clinical training, comprehensive exam, thesis, dissertation).
6. Within 10 days after an instructor-imposed sanction is assigned, the student may appeal the sanction to the Dean or Director.
7. Sanctions that may be recommended by an instructor.

An instructor, academic supervisor, or committee responsible for academic evaluation may recommend other or additional sanctions to the Dean or Director, including assignment of the grade of XE and withdrawal of credit for a previously accepted course or requirement, if the sanctions are otherwise provided in this policy or in the Student Code of Conduct and Disciplinary Procedures.
3. Sanctions that may be imposed by a Dean or Director.

1. After reviewing the recommendation of the School/College Board, a Dean or Director may impose any of the following sanctions for academic dishonesty:
2. Reduced or failing grade for assignment,
3. Reduced or failing grade for course,
4. Reduced or failing grade for other academic evaluation (e.g., clinical training, comprehensive exam, thesis, dissertation),
5. Assignment of a grade of "XE";
6. Withdrawal of credit for a previously accepted course or requirement;
7. Removal from the School or College or from a major or program of study within the School or College, permanently or for a specified period of time.
8. The decision of the Dean or Director to impose any of the above sanctions is final.
9. In addition to the above sanctions, a Dean or Director may recommend to the Provost any of the following sanctions:
10. Revocation of a degree (the student's official and unofficial transcript may reflect that revocation was the result of academic dishonesty);
11. Expulsion from the University without expectation of readmission (the student's official and unofficial transcript may reflect that expulsion was the result of academic dishonesty);
12. Suspension from the University for a specific period of time (the student's official and unofficial transcript may reflect that suspension was the result of academic dishonesty);
13. Other sanctions as consistent with this policy and the Student Code of Conduct.
14. Final Sanctions
15. The student will receive written notice of the decision and recommendations of the Dean or Director.
16. If the sanctions do not include suspension from the university, expulsion from the university or revocation of the degree, the recommendations of the Dean or Director will be final.
17. If the sanctions include suspension from the university, expulsion from the university or revocation of the degree, but the student does not object in writing to the recommendations of the Dean or Director within 10 days, the recommendations of the Dean will be final.
18. If the sanctions include suspension from the university, expulsion from the university or revocation of the degree, and if the student provides written notice to the Provost of an objection to the recommendations of the Dean within 10 days, the Provost will convene a University Hearing Board to review the recommendations.
19. Mitigating and aggravating circumstances may be considered in determining the appropriate sanction for a violation of this policy.

## Guidelines for Review

1. A student may seek to have a Dean's or Director's decision reviewed by the University Hearing Board only if the final decision imposes a sanction of suspension or expulsion from the university, revocation of admission or revocation of a degree.
2. The request for review must be in writing and must be filed with the Provost within 10 days of the date of the decision letter from the Dean.
3. The University Hearing Board shall follow the procedures set forth in the ABOR Student Disciplinary Procedures, except that the Provost, or designee will take the role of the Vice President for Student Affairs and will establish the University Hearing Board to conduct the appeal, and the College may take the role of the Dean of Students in presenting the case on behalf of the College/Initiator. The Provost may make other alternations to the procedures, with notice to the individuals involved.
4. The University Hearing Board will make a recommendation to the Provost.
5. The decision of the Provost is final.

## Procedures Following Final Decision

If any student work affected by the finding of academic dishonesty has been placed in the library or forwarded to a third party in partial fulfillment of degree requirements that work may be removed from the library or withdrawn from the third party. If a degree has been awarded, it may be revoked if requirements were not adequately fulfilled due to academic dishonesty.

## Other University Policies

The University's Misconduct in Research Policy is independent of the Student Academic Integrity Policy and the Guidelines for Graduate Appeals. Individual conduct may, for example, violate both the Student Academic Integrity Policy and the Misconduct in Research Policy and be subject to review and sanctions under both policies.

## Definitions

Academic Evaluation: Means any academic project, paper, performance, quiz, exam, comprehensive exam, candidacy exam, thesis, dissertation, clinical or internship experience or other evaluation assigned or offered for credit (including extra or optional credit), intended to fulfill an academic requirement, or considered by the university to provide academic or research experience (such as a paid research position).
College/School Board: Means each College, School or Program hearing or standards board appointed by the academic Dean, Director or administrative equivalent to review allegations of academic dishonesty.
Dean: Means the person holding the position of college Dean, Director, or the administrative equivalent, or that person's designee. (This does not include a "Program Director" or "School Director" if the academic unit reports to a college level dean or director.
Plagiarism: Means using another's words, ideas, materials or work without properly acknowledging and documenting the source. Students are responsible for knowing the rules governing the use of another's work or materials and for acknowledging and documenting the source appropriately.
Provost: Means the Provost or another person designated by the senior academic officer of the campus at which the alleged academic dishonesty occurred.
University: Means ASU Tempe, ASU Polytechnic, ASU West, ASU Downtown Phoenix, ASU Online, and all other locations used for instruction or academic activities.
University Board: Means the University Academic Integrity Hearing Board constituted by the Provost at the campus at which the alleged academic dishonesty occurred.
Advisor: Means an individual selected by the student to assist him/her during a hearing conducted by the University Academic Integrity Hearing Board. The advisor may be a faculty or staff member, student, or other representative of the student.
Day: Means normal university business day, not including Saturday, Sunday or any officially recognized university employee holiday or any day on which the university is closed.

## The Grade of "XE"

1. The "XE" grade denotes failure through academic dishonesty. The "XE" grade will be recorded on the student's official and unofficial transcript with the notation "failure due to academic dishonesty." The "XE" grade shall be treated in the same way as an " $E$ " for the purposes of grade point average and determination of academic standing.
2. No student with an "XE" grade on his or her transcript shall be permitted to represent that University in any extracurricular activity or to run for or hold office in any recognized student organization.
3. Generally, the "XE" grade will remain on the transcript permanently if it was awarded for an act of academic dishonesty requiring significant premeditation. For other cases, after at least 12 months have elapsed since the "XE" grade was imposed, a student may file a written petition to the Dean or Director of the College or Program that imposed the "XE" to have the "XE" grade removed and permanently replaced with the grade of "E." The decision to remove the "XE" grade and replace it with an " $E$ " is in the sole discretion and judgment of the Dean or Director or his or her designee.
4. The Dean or Director or designee may confer with other university officials and may require the student to attest that the student has not been involved in any other act of academic dishonesty or similar disciplinary offense at

Arizona State University or another institution. If the student's representation is later discovered to be false, the "XE" grade may be reinstated.

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## Meet Your Academic Integrity Officer

The Academic Integrity Officer for a College/School serves as the lead educator for faculty and students to sustain a culture of academic integrity at ASU and to increase awareness of the university's academic integrity policy [1].
Both student and faculty can contact the Academic Integrity Officer for your College/School to report an academic integrity violation or to ask questions related to academic integrity policies and procedures.

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College of Integrative Sciences and Arts
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## Josh Allen [4]

Program Director
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Source URL: https://provost.asu.edu/academic-integrity/impact

## Links:

[1] https://provost.asu.edu/academic-integrity/policy
[2] https://isearch.asu.edu/profile/227981
[3] mailto:Taguayo@asu.edu
[4] https://isearch.asu.edu/profile/2598892
[5] mailto:joshallen@thunderbird.asu.edu
[6] https://isearch.asu.edu/profile/1137098
[7] mailto:amanda.andrew@asu.edu
[8] https://isearch.asu.edu/profile/2389947
[9] mailto:rebecca.blatt@asu.edu
[10] https://isearch.asu.edu/profile/38013
[11] mailto:gary.grossman@asu.edu
[12] https://isearch.asu.edu/profile/826293
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## Student Resources

## Behaviors and Actions

Over the course of your academic journey here at Arizona State University, you will be challenged to continually build upon your skills and academic abilities. At times, pressure and stress can arise from balancing busy schedules, academic commitments, and personal commitments. In these moments of adversity, it's important that you make ethical decisions and uphold a high standard of integrity for you and for others.
To learn about more about academic integrity, please take the Academic Integrity at ASU [1] tutorial.

## Strategies

## Strategies for how to complete your work with integrity

Be informed: Understand ASU's expectations regarding academic integrity by understanding the Academic Integrity Policy [2] and Student Code of Conduct [3].

Ask questions: If you are not sure if something is really cheating, ask your professors, T.A.s or academic advisors.
Seek tutoring: Ask your professors and others in your department for help in finding academic support. Help is available from the following sources:

- On-campus, in-person writing support [4]
- Online support for citations and style manuals [5]
- Tutoring and academic success resources [6]

Stay healthy: This includes managing your time and your stress. Checkout the Live Well at ASU [7] webpages to obtain information, resources and involvement opportunities found in each element are designed to positively impact you academic performance, personal well-being and assist you in reaching your full potential.

## Avoiding Plagiarism

Plagiarism may be the most common form of academic dishonesty and is often unintentional. Protect yourself by understanding how to avoid plagiarism at Arizona State University using the following resources:

## Plagiarism tutorial

Take the ASU Plagiarism Awareness: Don't Stumble Into it Accidentally! [1] tutorial. Upon completion of the tutorial, you will be able to:

- Define and recognize plagiarism
- Explain the importance of citation in the scholarly environment
- Demonstrated strategies to avoid unintentional plagiarism
- Recognize and explain the consequences of plagiarism


## Resources for Citations

Visit the ASU Library citation styles [8] webpage as a reference for citing resources appropriately using APA, MLA, Chicago, or other citation-style guidelines. The site also offers exercises to help you practice the appropriate use of citations.

Source URL: https://provost.asu.edu/academic-integrity/resources/students

## Links:

[1] https://www.asu.edu/lib/tutorials/storyline/academic-integrity/story_html5.html
[2] https://provost.asu.edu/academic-integrity/policy
[3] https://eoss.asu.edu/dos/srr
[4] https://studentsuccess.asu.edu/student-services/writing-centers
[5] http://libguides/asu.edu/citing
[6] https://students.asu.edu/academic-success
[7] https://wellness.asu.edu/
[8] https://libguides.asu.edu/c.php?g=263988\&p=1762933

## Grades and Grading Policies

## Credit Enrollment

The semester hour is the unit on which credit is computed. It represents one 50 -minute class exercise per week per semester. To obtain credit, a student must be properly registered and must pay fees for the course.

## Grading Options and Definitions

Ordinarily a grade of "A+," "A," "A-," "B+," " B," "B-," "C+," "C," "D," or "E" is given upon completion of a course, unless another grading option such as "audit" or "pass/fail" is indicated at the time of registration. Grading options cannot be changed after the close of the drop/add period.
The instructor of a course has full discretion in selecting which grades to use and report from the available grading options.

| Fall 2004 and After ${ }^{1}$ |  |  |  |
| :--- | :--- | :--- | :--- |
| Grade | Undergraduate Definition | Graduate Definition | Value |
| A+ |  |  | 4.33 |
| A | Excellent | Excellent | 4.00 |
| A- |  |  | 3.67 |
| B+ |  | Good | 3.33 |
| B | Good |  | 3.00 |
| B- |  | Passing | 2.67 |
| C+ |  | No Graduate Credit | 1.00 |
| C | Average | Failure | 2.00 |
| D | Passing | Failure | Fo Report |
| E | Failing Never Participated ${ }^{2}$ | 0.00 |  |
| EN | Failing Never Participated |  |  |
| I | Incomplete | No Report | - |
| NR |  |  |  |


| P | Pass | n/a ${ }^{3}$ | - |
| :--- | :--- | :--- | :--- |
| W | Withdrawal | Withdrawal | - |
| X | Audit | Audit | - |
| Y | Satisfactory | Satisfactory | - |
| Z | Course In Progress | Course In Progress | - |
| XE | Academic Dishonesty | Academic Dishonesty | 0.00 |

${ }^{1}$ Although the plus/minus scale includes a grade of A+ with a value of 4.33 , the cumulative GPA is capped at 4.00 . Questions about the grade scales may be referred to the University Registrar Services at registrar@asu.edu [1]. For grading scales prior to fall 2004 click here [2].
${ }^{2}$ Effective fall 2016 and later.
${ }^{3}$ Not applicable for graduate classes.

| Law Grading [3] |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Fall 2009 and after |  | Fall 2009 and after <br> Additional Grades |  |  |  |
| A+ |  | 4.33 | CR | Credit |  |
| A | Excellent | 4.00 | NR | No Report |  |
| A- |  | 3.67 | P | Pass |  |
| B+ |  | 3.33 | X | Audit |  |
| B | Good | 3.00 | W | Withdrawal |  |
| B- |  | 2.33 | H | Honors |  |
| C+ |  | 2.00 | HH | High Honors |  |
| C | Average | 1.00 | XE | Academic Dishonesty |  |
| D | Deficient | 0.00 |  |  |  |
| E | Failing | 0.00 |  |  |  |
| EN | Failing Never Particcipated |  |  |  |  |

${ }^{4}$ Effective fall 2016 and later.
For grading scales prior to fall 2009, click here. [2]

## Incomplete (I)

A mark of "I" (incomplete) is given by the instructor when you are otherwise doing acceptable work but are unable to complete the course because of illness or other conditions beyond your control. You are required to arrange with the instructor for the completion of the course requirements. The arrangement is recorded on the Request for Grade of Incomplete form [4]. Do not re-register or pay fees to complete the course. The completion date is determined by the instructor but may not exceed one calendar year from the date the mark of "l" is recorded. When you complete the course, the instructor must submit an online grade change request. If you receive an "l" in an undergraduate course in the fall 1983 or thereafter, your grade will be automatically changed to a failing grade " E " if you do not complete the course within one calendar year. If you receive an "I" in a graduate course ( 500 -level or above) your "I" grade will become a permanent part of your transcript if you do not complete the course within one year, and you will have to reregister and pay fees to repeat the course for credit. Marks of "I" are changed to a grade of "E" ( 0.00 ) for purposes of evaluating graduation requirements for undergraduate students.

## No Report (NR)

The "NR" grade simply means that a grade has not yet been reported. Once final grade processing takes place for the semester, most classes will have an actual grade posted instead of the "NR". If an "NR" grade appears for a course in a prior semester, you should contact the instructor of the course to find out why a final grade was not recorded.

## Pass (P)

The "P" grading option is used to indicate a passing grade in a class when an individual student receives permission from both the class instructor and his/her college or school. For further information about this grading option, contact your advisor. If you earn a "P" grade, you will earn hours, but the grade is not used for computing your GPA.
A "P" grade should only be assigned when an individual student receives permission to take a course as pass/fail. Permission is recorded on the Pass/Fail Enrollment form [5]. If the course only awards pass/fail grades, the "Y" grade should be utilized to indicate successful completion of the course.

## Withdrawal (W)

If you withdraw from a class after the first week of school, you will receive a mark of "W" on your transcript. You earn no credit or grade for withdrawn classes.

## Audit (X)

A student may choose to audit a course, in which case the student attends regularly scheduled class sessions, but no credit is earned. The student should obtain the instructor's approval before registering and paying the fees for the course. Selected courses may not be audited. Veteran students using education benefits should see Veterans Services.
The mark of " X " is recorded for completion of an audited course unless the instructor determines that the student's participation or attendance has been inadequate, in which case the mark of "W" (withdrawal) may be recorded. This grading option may not be changed after the close of the drop/add period. The " X " is not included in earned hours and is not computed in the GPA.

## Satisfactory ( $Y$ )

The " $Y$ " grade is generally used as a grade for successfully completed internships, projects, readings and conference, research, seminars, theses, dissertations, and workshops. You earn hours for a " $Y$ " grade, but the grade is not used for computing your GPA.

A " $Y$ " grade is used for courses in which the instructor assigns only grades of " $Y$ " or "E." If a course utilizes only the letter grades of A+, A, A-, B+, B, B-, C+, C, D, and E, but an individual student receives permission to take the course for pass/fail credit, the "P" (pass) or "E" (fail) grade should assigned to that student.

## Course in Progress (Z)

The "Z" grade is typically used for courses where work will not be completed within one semester's time, such as research, thesis, and dissertation. Once coursework is complete, your instructor will submit a grade change to assign an appropriate grade. Some courses, such as continued registration, do not earn credit and the "Z" grade will remain on your transcript.

## Failing Never Participated (EN)

The grade of "EN" denotes failure due to the student never participating in a course and is treated the same as an "E" for the purposes of GPA, course repeatability, and academic standing determination. The "EN" grade assists ASU in determining a student's financial aid eligibility. For federal aid purposes, we must determine if a student participated in all courses for which they received federal aid. When a student does not participate, the financial aid office must recalculate the student's eligibility. A grade of "EN" will display on the student's transcript beginning fall 2016. Please review the "Grades and Grade Selection" section of the Grade Posting FAQs [6] page for more information about the "EN" grade.

## Academic Dishonesty (XE)

The grade of "XE" denotes failure due to academic dishonesty and is treated the same as an "E" for the purposes of GPA, course repeatability, and academic standing determination. A student may not avoid any penalty for academic dishonesty by withdrawing from a course. A student may be reinstated to a course to receive a penalty of a reduced or failing grade or XE.

## Grading Resources for Faculty and Staff

Support and roster contacts [7]

## Grade Reports

You can obtain your final grades after every semester by using any of the following methods:

- To view or print your grades, sign in to My ASU [8] using your ASURITE UserID and Password.
- Submit a request for an official grade report that will show the grades for the last semester in which grades have been processed. You may submit a request to any registration site [9].


## Grade Changes

Ordinarily the instructor of a course has the sole and final responsibility for any grade reported. Once the grade has been reported to the registrar, it may be changed upon the authorization of the faculty member who issued the original grade, a department chair, and the dean of the college concerned. This policy also applies to the grade of "I" (incomplete).

Grade changes are submitted online and receive approval by the department chair (or designee) and the dean of the college (or designee) in which the course is offered. Once approvals are received, the new grade will be reflected on your transcript immediately.

## Repeating Courses

An undergraduate course taken by undergraduate students at ASU may be repeated for credit if the grade or mark of "D", " $E$ ", "W", "X" is received. To be eligible for the deletion of "D" or "E" grades from calculations of the GPA, the course must be repeated at ASU. Independent Learning courses may not be used to repeat "D" or "E" grades. Students who have graduated are not eligible to delete the grade for a course taken before the award of the ASU bachelor's degree. Undergraduate courses in which grades of "D" or "E" are received may be repeated only once. Generally, students may not repeat an undergraduate course for credit when a grade of " C " or higher is earned.

For additional information on repeating courses, please refer to the following policies:

Graduate students see the ASU Graduate Policies and Procedures [12].
Grade adjustments will be processed automatically after the grades are reported each term. For additional information on repeating a course or the deletion process, contact Records \& Enrollment Services at 480-965-3124.

## Demonstration of Mastery

An undergraduate student who receives a " D " in a course in which a " C " or higher is required may use the grade from an equivalent course taken elsewhere to demonstrate mastery at the " C " or higher level. However, the course may neither be transferred to ASU (since credit has already been given for the course) nor computed in the student's GPA.

## Grade Appeals

ASU has informal and formal processes students may follow to appeal a grade. See the Catalog [13].

## GPA Calculation

The following grades and their values are used in computing your semester and cumulative ASU GPA:

| Grade* | Grade Point Value |
| :--- | :--- |
| A+ | 4.33 |
| A | 4.00 |
| A- | 3.67 |
| B+ | 3.33 |
| B | 3.00 |
| B- | 2.67 |
| C+ | 2.33 |
| C | 1.00 |
| D | 0.00 |
| E** |  |
| *Other grades (W, X, Y, etc.) are not included in the GPA calculation. |  |
| **Grades E1, E2, E3, E4, E5, and E8 are equivalent to an E. |  |

To calculate your GPA, follow these steps below, or use the GPA Calculator [14].

1. Multiply the grade point value by the number of semester hours for which the course was taken to determine the honor points.
2. Add together all the honor points.
3. Add together all the semester hours that received one of the above grades to determine net hours.
4. Divide the honor points by the net hours to calculate the GPA.

Honor Points $\div$ Net Hours $=$ GPA
GPAs are rounded to the nearest 100th of a decimal point.
Semester GPA is based on semester net hours. Cumulative GPA is based on total net hours.
Although the plus/minus scale includes a grade of $A+$ with a value of 4.33 , the cumulative GPA is capped at 4.00 .

Example

| Course | Semester Hours | Grade | Grade Point Value | Honor Points |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| ENG 101 | 3.0 | A | 4.00 | 12.00 |  |
| MAT 117 | 3.0 | B- | 2.67 | 8.01 |  |
| ECN 111 | 3.0 | E | 0.00 | 0.00 |  |
| Total: | (net hours) 9.0 |  |  |  |  |
| $20.01 \div 9.0=2.22$ GPA |  |  |  |  |  |

## Credit by Examination

Students may receive credit for an ASU course by taking an examination in place of the actual course. Learn more [15].

Source URL: https://students.asu.edu/grades

## Links:

[1] mailto:registrar@asu.edu
[2] https://students.asu.edu/prior-grading-scales
[3] https://students.asu.edu/grades/\#_edn1
[4] https://students.asu.edu/forms/incomplete-grade-request
[5] https://students.asu.edu/forms/application-pass-fail-enrollment
[6] https://students.asu.edu/grade-posting-faq
[7] https://students.asu.edu/facultycenter
[8] https://my.asu.edu/
[9] https://students.asu.edu/node/931
[10] http://www.asu.edu/aad/manuals/ssm/ssm203-06.html
[11] http://www.asu.edu/aad/manuals/ssm/ssm203-05.html
[12] https://graduate.asu.edu/policies-procedures
[13] http://catalog.asu.edu/appeal
[14] https://students.asu.edu/gpa-calculator
[15] http://catalog.asu.edu/credit_exam

## Transcripts

Official and unofficial ASU academic transcripts are available through University Registrar Services.
Sending your transcripts to ASU? Contact Admissions [1] for mailing address information.

## Official Transcripts

An official transcript is a copy of the student's permanent academic record issued by the University Registrar. It displays all courses taken for credit at ASU and includes all grades received. Unlike unofficial transcripts, it is signed and dated by the registrar and displays the ASU seal. Official transcripts are not issued for students with outstanding financial obligations to the university.

For students that attended the Thunderbird School of Global Management prior to December 31, 2014, information on ordering official transcripts can be found here [2].

ASU cannot send official transcripts by email or fax.
University Registrar Services has partnered with Parchment, a digital credentials service, to manage the ordering, processing, and secure electronic delivery of your official ASU transcripts.
All students are encouraged to go online to place their transcript order. This is the easiest and most efficient way to place an order for either a traditional paper transcript or electronic transcript delivery.

## Electronic Delivery of Official Transcripts

Official electronic transcripts may only be ordered using Parchment's online request system. Students choosing this option will identify their recipients by selecting them from a list within the ordering system or by providing the email address of their intended recipients.
To expedite and ensure accurate delivery, students should:

- Make sure the transcript recipient will accept the electronic transcripts, so they can avoid paying to send a replacement copy.
- Double check that the email address they provided for an institution or individual is correct, so they can avoid paying again to send a replacement electronic or paper copy.
- Provide their email addresses for notification purposes (the student's email address assists with tracking and confirming delivery by notifying the student when the transcript is sent and when it is received by the selected institution or individual).
- Instruct recipients to allow emails from Parchment (noreplyint@parchment.com [3]) to avoid potential problems with spam filters.
Orders are generally processed immediately, unless you request a hold for degree or grades. (Degrees are posted approximately 6 weeks after the conferral date for the semester.)

The transcript is not delivered by email; the recipient's email address is used for notification and reminder messages regarding delivery of the student's transcript to a secure site where it can be accessed.

## Ordering Official Transcripts

Official transcripts can be ordered online, in-person or by mail.

## Online

- Students who have an ASURITE ID - Sign in to My ASU [4] and order official transcripts online. In the My Classes box, click Grades \& Transcripts and then Transcripts \& Test Scores (see sample My ASU navigation screenshot below).
- Students who attended ASU after 1980 and who do not yet have an ASURITE ID [5] or do not know their ASURITE ID and password - Please contact the ASU Help Desk at 855-278-5080 for assistance requesting your ASURITE ID.
- Students who attended ASU prior to 1980 and do not have an ASURITE ID - Request transcripts in person or by mail.


## My Classes

## 

You are not registered for classes in the Spring 2017 term.
Use the Class Search link below to find classes.


## In Person

Students presenting photo ID may order official transcripts in person at the Cashier's Office at the following locations:

- Downtown Phoenix campus - Mon. - Fri. 8:15 a.m. - 4:30 p.m., University Center Building, Suite 112
- Polytechnic campus - Mon. - Fri. 8:15 a.m. - 4:30 p.m., Administration Building, Room 160
- Tempe campus - Mon. - Fri. 8:15 a.m. - 4:30 p.m., Student Services Building, 244
- West campus - Mon. - Fri. 8:15 a.m. to 4:30 p.m., University Center Building, Room 101


## By Mail

Students may order transcripts by submitting a Request for Official Transcript Form [6] or signed letter including the following information:

- Name
- Former names (if applicable)
- Arizona State University identification number (or SSN)
- Date of birth
- First and last dates of attendance
- Current return address
- Daytime phone number
- Specific mailing address for each transcript ordered

Pre-payment is required. See costs for official transcripts below. Make check or money order payable to Arizona State University.
Send requests for official transcripts to:
Outgoing Transcripts
University Registrar Services
Arizona State University
P.O. Box 870312

Tempe, AZ 85287-0312
For further assistance, please call Outgoing Transcripts at 480-965-7276 during business hours.

## Costs

All charges for official transcripts must be paid at time of request. Official transcripts cost $\$ 15.00$ per official transcript copy requested.
Rush transcripts (same day service): $\$ 10.00$ in addition to the costs for the total number of transcripts ordered. Available for in-person requests only.

- Special delivery in the U.S. - Special delivery processing, instead of regular mail, is available via FedEx or U.S. Express Mail at $\$ 22.00$ per U.S. delivery address in addition to the costs for the total number of transcripts ordered.
- Special delivery outside the U.S. - Express delivery to addresses outside the U.S. is available through International FedEx Express or International Express Mail at $\$ 38.00$ per delivery address in addition to the costs for the total number of transcripts ordered.
FedEx requires a street address for delivery. FedEx charges an additional fee for all returned shipments, and the student will be responsible for paying the total amount before the transcript(s) will be mailed.

Transcripts will not be reissued after 90 days from the processed date.
Fees subject to change without notice.

## Apostille

For information on requesting an Apostille. [7]

## Unofficial Transcripts

An unofficial transcript is an uncertified copy of the student's academic record. In addition to courses taken for credit at ASU and grades received, unofficial transcripts also include information such as note records regarding grade changes, semester GPAs and probation/disqualification status.

For students that attended the Thunderbird School of Global Management prior to December 31, 2014, information on ordering unofficial transcripts can be found here [8].

## Accessing and Ordering Unofficial Transcripts

Here's how to view and request unofficial transcripts:

## Online

- Students and former students who have an ASURITE ID - Sign in to view and print an unofficial transcript [9]. You may need to temporarily disable pop-up blocker for this site to retrieve your transcript.
- Students who attended after 1980 and who do not have an ASURITE ID or do not know their ASURITE ID and password - Request an ASURITE ID [5] to access unofficial transcripts online by contacting the ASU Help Desk at 855-278-5080.
- Students who attended prior to 1980 - ASU does not offer online transcript services for students who attended prior to 1980. Request the unofficial transcript in person, by mail or by fax.
You should be in your My ASU student view to access your transcripts. If you have both a student and staff view, this will be indicated in the top right of your screen.



## In Person

Students presenting photo ID may order unofficial transcripts in person at any campus registration site [10].

## By Mail or Fax

Students may order an unofficial transcript by mailing or faxing a signed letter including the following information about the student:

- Name and former names (if applicable)
- Arizona State University identification number (or SSN)
- Date of birth
- First and last dates of attendance
- Current return address
- Daytime phone number
- Return Fax number or specific mailing address

Requests for unofficial transcripts by mail or fax must be signed by the student. No computer-generated signatures will be accepted. Please send requests for unofficial transcripts to:

Outgoing Transcripts
University Registrar Services
Arizona State University
P.O. Box 870312

Tempe, AZ 85287-0312
Fax: 480-965-2295

## Costs

There is no fee for an unofficial transcript. For assistance, please contact University Registrar Services [11].

## Transcript FAQs

Have questions? Here are the most common FAQs [12].
If you have an ASURITE ID, want to order online, and are familiar with the applicable transcript policies, you can access your transcripts through My ASU [13].

My ASU [13]
Click Grades \& Transcripts in the My Classes box, then Transcripts \& Test Scores.

Source URL: https://students.asu.edu/transcripts

## Links:

[1] http://students.asu.edu/contact/admissions
[2] https://students.asu.edu/Thunderbird_Transcripts
[3] mailto:noreplyint@parchment.com
[4] https://my.asu.edu
[5] http://asu.force.com/kb/articles/FAQ/How-do-l-get-an-ASURITE-ID-if-I-m-a-former-student
[6] https://students.asu.edu/forms/official-transcript-request
[7] https://students.asu.edu/apostille
[8] https://students.asu.edu/transcripts-thunderbird\#unofficialtranscripts
[9] https://www.asu.edu/go/unofficialtranscript/
[10] https://students.asu.edu/contact/office-university-registrar
[11] http://students.asu.edu/node/931
[12] http://students.asu.edu/transcript-faqs
[13] https://my.asu.edu/

## Transcript FAQs

## Answers to the Most Common Transcript Questions

What is the procedure to change my name on my ASU transcript? [1]
Will ASU hold my transcript and not send it out until my degree or a specific grade is posted? [2]
Does my ASU transcript list courses I transferred from other institutions? [3]
How can I obtain a copy of previous school transcripts? [4]
Can someone else order/pick up my official transcript for me? [5]
What if I have a delinquent account? Can I still obtain a transcript? [6]
How do I get a course description for a course listed on my ASU transcript? [7]

## Q: What is the procedure to change my name on my ASU transcript?

Currently enrolled students may submit a Name Change Form by mail, in person or by scanning and e-mailing. All requests require a photo identification and one of the following; marriage license/certificate, adoption papers, court order, divorce decree, social security card or passport/permanent visa. Academic records for formerly enrolled students will not be changed. Certain exceptions apply. For further assistance, call 480-965-7276

Q: Will ASU hold my transcript and not send it out until my degree or a specific grade is posted?
On the Request for Official Transcript form or the online ordering system, you may request one of the following holds:

- Hold until degree is posted - Your transcript will not be sent until your degree is posted to your ASU transcript.
- Hold until grades are posted - Your transcript will not be sent until all grades for the term you specified on your order are posted to your ASU transcript.


## Q: Does my ASU transcript list courses I transferred from other institutions?

No. Credit is awarded for traditional course work successfully completed at institutions of higher learning as indicated by ASU and the Arizona Board of Regents. However, only the name of the institution(s) and degrees awarded are listed on the ASU transcript.

## Q: How can I obtain a copy of previous school transcripts?

You may request unofficial copies of transcripts from other schools if they were submitted to ASU and if they remain on file. If you are requesting transfer transcripts for official purposes, you must order transcripts from the issuing institutions.

## Q: Can someone else order/pick up my official transcript for me?

Yes, someone else may order or pick up your official transcript as long as you give written and signed authorization to do so. The request must include all the information requested for ordering an official transcript.

## Q: What if I have a delinquent account? Can I still obtain a transcript?

You may obtain an unofficial transcript only. All financial obligations must be cleared before an official transcript will be issued. For further assistance, call 480-965-7276 during business hours. The Delinquent Accounts Office can be reached at 480-965-5220.

## Q: How do I get a course description for courses listed on my ASU transcript?

Course descriptions for catalogs after 1996 can be printed from the web at the catalog web site [8]. For course descriptions prior to 1996, contact University Archives archives@asu.edu [9] or 480-965-4932.

Source URL: https://students.asu.edu/transcript-faqs

## Links:

[1] https://students.asu.edu/node/11666/\#process
[2] https://students.asu.edu/node/11666/\#hold
[3] https://students.asu.edu/node/11666/\#transfer
[4] https://students.asu.edu/node/11666/\#other
[5] https://students.asu.edu/node/11666/\#person
[6] https://students.asu.edu/node/11666/\#delinquent
[7] https://students.asu.edu/node/11666/\#course
[8] https://webapp4.asu.edu/catalog/
[9] mailto:archives@asu.edu

## University Policy for Student Appeal Procedures on Grades

## Informal

The steps outlined on this page, beginning with step A, must be followed by any student seeking to appeal a grade. Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring), regardless whether the student is enrolled at the university. It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college or school in which the course is offered.
A. The aggrieved student must first undergo the informal procedure of conferring with the instructor, stating the evidence, if any, and reasons for questioning that the grade received was not given in good faith. The instructor is obliged to review the matter, explain the grading procedure used and show how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course (regular faculty member or director of the course sequence).
B. If the grading dispute is not resolved in step A, the student may appeal to the department chair or other appropriate chair of the area within the department (if any). The department chair may confer with the instructor to handle the problem. Step B applies only in departmentalized colleges or schools.
C. If these discussions are not adequate to settle the matter to the complainant's satisfaction, the student may then confer with the dean of the college or school concerned (or the dean-designate), who will review the case. If unresolved, the dean or designate may refer the case to the college or school academic grievance hearing committee to review the case formally. In most instances, however, the grievance procedure does not go beyond this level.

## Formal

The following procedure takes place after steps $A, B$ and $C$ (or $A$ and $C$ ) have been completed.
D. Each college or school has on file in the office of the dean (and in each department of the college or school) the procedures and composition of the undergraduate or graduate academic grievance hearing committee for student grievances. Each college or school committee shall operate under grievance procedures as stated, which satisfy due process requirements. The committee shall always meet with the student and the instructor in an attempt to resolve the differences. At the conclusion of the hearing, the committee shall send its recommendations to the dean.
E. Final action in each case will be taken by the dean after full consideration of the committee's recommendation. Any recommended grade changes may be made by the dean. The dean shall inform the student, instructor, department chair (if any), registrar and grievance committee of any action taken.

Source URL: https://catalog.asu.edu/appeal

## Undergraduate Policies and Procedures

## How to meet competency requirements at ASU

Competency requirements may be met with high school work, college work or test scores. These requirements must be met regardless of your major or the number of transferable hours you have earned. Students must earn a minimum 2.00 GPA in each competency area.

Admission may be granted with one deficiency in no more than two competency areas. Deficiencies in both math and laboratory science are not acceptable.
For exceptions to the competency requirements, see below [1].

## English competency requirement

Meet one of the following:

- four years of high school English (composition/literature based)
- minimum test score of 21 on ACT English, or 580 on SAT evidence-based reading and writing
- one transferable three-credit college English composition course


## English composition placement

All freshman and transfer students who have not earned a "C" or better in a transferable freshman English composition course, or who have not received a score of 4 or 5 on the Advanced Placement examination in English offered by the College Entrance Examination Board, must submit ACT or SAT scores before registration to be placed in an appropriate English course.

## Mathematics competency requirement

Meet one of the following:

- four years of high school courses: one year each of algebra I, geometry, algebra II, and an advanced math class for which algebra II is a prerequisite
- minimum test score of 24 on ACT math, or 560 on SAT math
- one transferable three-credit college math course for which at least intermediate algebra is a prerequisite


## Laboratory science competency requirement

You may meet one of the following or any combination of the three as long as you have three different laboratory-based sciences:

- three years of different high school laboratory sciences

Lab sciences should be a whole year in length. Please select three from the following list: biology, chemistry, earth science or physics. A laboratory-based integrated science course may be allowed to substitute for one of the three lab sciences. Additionally, an advanced placement course, a higher level international baccalaureate course, or other honors course taken in the last two years of high school in the same subject as a previous course can still satisfy one lab science requirement.

- minimum test scores in three standardized tests from three different subject matters

The following tests may be taken: SAT II subject test score in chemistry-600, biology-590, physics-620 or ACT test score in science-20.

- three transferable four-credit college laboratory science courses from the following: biology, chemistry, earth science or physics

An integrated laboratory science or advanced level laboratory-based science may be substituted for one of the possible laboratory subjects.

## Foreign language competency requirement

Meet one of the following:

- two years of the same high school foreign language
- attainment of minimum score on a national standardized foreign language test or placement into a third semester college foreign language class based on university placement exam results
- two transferable three- or four-credit, college-level courses in the same foreign language


## Fine arts or career and technical education competency requirement

Meet one of the following:

- one year (or a combination of two semesters) of high school fine arts or career and technical education
- one transferable three-credit college fine arts course


## Exceptions

You do not need to meet competency requirements if one of the following statements is true:

- You have completed an associate or higher level degree from a regionally accredited postsecondary institution with a minimum 2.00 GPA ("A" = 4.00) if you are an Arizona resident, or you have a minimum 2.50 GPA ("A" = 4.00) if you are a nonresident.
- You have completed the Arizona General Education Curriculum (AGEC) with a minimum $2.00 \mathrm{GPA}(" \mathrm{~A} "=4.00)$ if you are an Arizona resident or a $2.50 \mathrm{GPA}(" \mathrm{~A} "=4.00)$ if you are a nonresident.
See also the ASU Academic Catalog [2].

Source URL: https://admission.asu.edu/freshman/competency-requirements

## Links:

[1] https://admission.asu.edu/freshman/competency-requirements\#exceptions
[2] https://catalog.asu.edu

## Freshman Admission Requirements

How and when to apply for freshman admission
We're here to help make each step toward becoming a Sun Devil a smooth experience. Follow the steps below to apply to become a freshman at ASU.

## Step 01 Complete an undergraduate admission application

Apply online with ASU's Application for Admission [1] or the Common Application [2]. You need to submit only one application to be considered for admission to ASU.
To expedite the admission decision, use ASU's Application for Admission [1] and self-report your high school grades [3]. The benefit of using the Common Application is that one application can be submitted to multiple colleges, with an additional supplemental form and fee for each college. The fee for the Common Application and ASU's Application for Admission may be different, so please review before deciding which option is right for you. ASU does not require an essay or personal statement in either option.
ASU's Application for Admission [1] Common Application [2]

## Step 02 Submit the nonrefundable application fee

Arizona residents: \$50
Domestic nonresidents: \$70
You can pay using a credit card (Visa or MasterCard) or eCheck at the time you submit your application or when you log in to My ASU. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

## Step 03 Send your transcripts

If you do not self-report your grades in the ASU application, you must have your high school send an official copy of your transcripts to ASU.
An official transcript [4] is required for all students upon graduation from high school indicating their high school graduation date. Otherwise, financial aid and scholarship disbursements will be held.

## Step 04 Request to have your ACT or SAT scores sent directly to ASU

ACT or SAT scores are required for merit scholarship consideration and ASU course placement. They are also required for some majors and can be helpful in the general admission process. Have your test scores sent to ASU from ACT or College Board.
More info on ACT and SAT [5]

## Step 05 Check application status

Once you've completed all these steps, ASU will review your application. To see if you have any missing items and to review your admission status, sign in at My ASU using your ASURITE User ID, which is sent to you after you apply for admission.

Check application status [6]

## Step 06 Fill out the FAFSA

The Free Application for Federal Student Aid [7] is used to award federal grants, loans, work-study and certain scholarships, and can be filed now for the 2019-2020 school year. We encourage you to file right away. ASU's Federal School Code is 001081.

## Important dates for Spring 2019

Submit your 2018-2019 FAFSA now
File your 2018-2019 FAFSA to ASU right away to be considered for financial aid for spring 2019. Eligible students who apply early have a greater chance of receiving need-based aid. We encourage you to submit your FAFSA as soon as possible.

## Oct. 1, 2018 - Submit your 2019-2020 FAFSA

Starting Oct. 1, you can file your FAFSA for the 2019-2020 academic year with ASU (Federal School Code 001081) to find out what financial aid you might be eligible for. Students may submit the FAFSA to ASU prior to applying and admission to the university; however, only students admitted into ASU degree-seeking programs will be reviewed for and offered financial aid.

## December 1, 2018 - Enrollment deposit date

Submit your enrollment deposit to ASU to become an official Sun Devil and secure your spot in our spring 2019 incoming class. After you submit your enrollment deposit, you can register for your orientation date and submit your campus housing preferences.
January 1, 2019 - FAFSA priority date for the 2019-2020 academic year
File your FAFSA to ASU by this date to maximize the amount of financial aid you could qualify for. Eligible students who apply by this date have a greater chance of receiving need-based aid. We encourage you to submit your FAFSA even if the priority filing date has passed.

## Admission Requirements

## Course competency requirements

To be admitted to ASU, you will need the following:

- 4 years math
- 4 years English (non-ESL/ELL courses)
- 3 years lab sciences (1 year each from biology, chemistry, earth science, integrated sciences or physics)
- 2 years social sciences (including 1 year American history)
- 2 years same second language
- 1 year fine arts or 1 year career and technical education

Detailed course requirements [8]

## Aptitude requirements

## To be admitted to ASU, you will need one of the following:

- top $25 \%$ in high school graduating class
- 3.00 GPA in competency courses ( $4.00=$ " $\mathrm{A} "$ )
- ACT: 22 (24 nonresidents)
- SAT: 1120 (1180 nonresidents)

Applicants must successfully complete the ASU competency requirements. Admission may be granted with one deficiency in no more than two competency areas. Deficiencies cannot be in both math and laboratory science. Students must earn a minimum 2.00 in any subject area. Most competencies may also be met by test scores or college courses. See detailed competency requirements [8] for more information.

## Helpful admission information

## Higher admission requirements

If your first-choice major has higher requirements, you will be instructed to select a second major without higher requirements.
Explore degrees [9]

## Common Application

ASU accepts both the Common Application [2] and our own online application [1] for incoming freshmen. Only one application will be accepted, with no preference between the ASU application and the Common Application. If two applications are submitted, one will be canceled in our system. Application fees are nonrefundable.
Go to Common App [2]

## Self-report your grades

ASU accepts self-reported high school grades on the undergraduate admission application. Submission of an ACT or SAT score is highly recommended for merit-based scholarship consideration.
More about self-reporting [3]

## Individual review

ASU admission decisions begin the first week of September. Students who do not meet the admission standards will be evaluated through individual review and may experience a longer wait time for an admission decision.

## Homeschool students

ASU welcomes applications from home-educated students. You can easily fill out the application and then include additional information to accurately demonstrate your accomplishments.
More about homeschooling [10]

## How to apply if you have a GED

Students may also meet admission requirements by submitting an official GED score of 500 or above for tests taken before January 2014 or a GED battery average score of 170 or above for tests taken after January 2014.

## Get a jump-start on your college experience

Now is the perfect time to imagine what your future will look like, and ASU is here to help you get there. See how you can start earning scholarship money, find the perfect degree program and campus, and more - all while you're in high school.

Start now [11]

## Frequently asked questions about applying to college

## When should I apply to college as a freshman?

The ASU application opens on or around July 1 each year. You are encouraged to apply to ASU as early as possible. Nov. 1 is ASU's priority admission date, and Feb. 1 is ASU's regular admission date. The earlier you apply, the earlier you'll receive an admission decision and the more likely you'll be to secure the most financial aid possible.

## Is it okay to submit applications to several different universities?

Yes, you should apply to all the universities you are interested in possibly attending. Just be aware that universities charge application fees, which can add up. Many universities are part of the Common Application [2], including ASU, which can save you time by using the information you enter once for several applications.

## Other than the admission application, what information will I need to provide to complete the application process?

In addition to the application, you will need to submit the nonrefundable application fee, as well as self-report your high school grades or have your high school transcripts sent to ASU. You don't have to submit ACT or SAT scores for admission, but you do need to submit them for merit scholarship consideration and course placement. Some majors do require test scores.

View more FAQs [12]

Source URL: https://admission.asu.edu/freshman/apply

## Links:

[1] https://webapp4.asu.edu/uga_admissionsapp/
[2] https://apply.commonapp.org/Login?ma=901
[3] https://admission.asu.edu/freshman/self-reporting
[4] https://admission.asu.edu/transcripts
[5] https://admission.asu.edu/freshman/apply\#satact
[6] https://my.asu.edu/
[7] https://fafsa.ed.gov/
[8] https://admission.asu.edu/freshman/competency-requirements
[9] https://webapp4.asu.edu/programs/t5
[10] https://admission.asu.edu/freshman/homeschool
[11] https://admission.asu.edu/freshman/highschool
[12] https://admission.asu.edu/contact/faqs\#freshman

## Self-Reporting

## Self-Reported Admission Application

To expedite admission decisions, ASU accepts self-reported high school grades on the undergraduate admission application. Once you are admitted, you will need to submit official seventh semester transcripts before enrolling in classes. Submission of an ACT or SAT score is highly recommended for merit-based scholarship consideration.
ASU admission decisions begin the first week of Sept. 1. If you do not meet initial eligibility, you may be placed into individual review and experience a longer wait time for an admission decision.

## Step-by-Step Guide

1. After clicking on "Yes - I would like to accurately report my grades to find out sooner if I am admitted to ASU", there will be a drop down where you will enter your Overall Academics and most importantly, Required High School Courses.
2. For each academic year $9-12$, you will enter all courses and grades individually for English, Math, Science, Social Science, Language, Fine Arts, Electives, etc.
3. For each subject, you will enter the course in Course Name drop down, or if your course is different than the names in the drop down, you have the option to write out the course name in the Course Title section.
4. In the Credit section, you will choose whether this course was taken in a semester, trimester, quarter or full year.
5. For the Course Level section, you will select whether your course was a normal high school course, an honors course, an Advanced Placement Course or an International Baccalaureate course.
6. Enter your course grade in the Grade section. How many grades you enter will depend on what you put for the Credit section (semester, trimester, quarter or full year).
7. Once you are done entering grades for each course, click on Add Course as needed until you have finished entering all courses and grades for that subject. Again, you will need to enter all courses and grades for each subject for years 9-12.
8. When you are done with one subject, such as English, you can move on to the next subject, such as Math, by clicking Go to Math.
9. Continue adding courses and grades for each subject of every academic year.
10. Double check to make sure everything matches your official transcript.

## Self-Reported Application FAQ

## What does it mean to self-report my courses?

During the application process, you will be asked to enter all your courses and grades for years 9 to 11 as they appear on your official high school transcript. You will also be asked to enter your in progress courses for year 12.

## How do I enter my courses and grades?

In order to accurately enter all information, you must have your high school transcript when filling out the Required High School Courses section in My Grades. All semester, trimester, or quarter grades must be listed in the Required High School Courses section.

The information entered in the Required High School Courses section must match your official transcript if you have been admitted and intend to enroll. Any inaccurate information can result in your admission being revoked.

## Am I able to include college courses or dual credit courses I have taken while in high school?

Yes, the application gives you the option to self-report any college courses or dual credit courses you have taken before enrolling at ASU.

## What should I do if my high school lists my grades numerically?

If your transcript includes a numerical grading scale, click on 100 point based in the Grading System section and then you will select the number range for your grades in the Grades section.

## When do I submit my final transcripts?

If you have been admitted and intend to enroll at ASU, you will need to send your official high school transcript once you graduate. Do not send any official transcripts during the application process or before you graduate.

Source URL: https://students.asu.edu/freshmen/self-reporting

## Contact Admissions

## ASU Admission Services Mailing Address

## Sending us your transcripts or test scores

Have your test scores (such as ACT, SAT and TOEFL) and official high school and college transcripts sent from the issuing institution to the address below. Any written inquiries should be sent to this address as well.
Admission Services
Arizona State University
PO Box 870112
Tempe, AZ 85287-0112

## Visit our office

## Downtown Phoenix Campus

Phone: 480-965-7788
Fax: 480-965-3610
Location: University Center Building, Suite 130 [1]
Monday - Friday 8:00 a.m. - 5:00 p.m.

## ASU Colleges at Lake Havasu City

Phone: 928-854-9705
Fax: 928-854-9709
Location: Santiago Hall [2], front desk
Monday - Friday 8:00 a.m. - 5:00 p.m.

## Polytechnic Campus

Phone: 480-965-7788
Fax: 480-965-3610
Location: Administration Building [3]
Monday - Friday 8:00 a.m. - 5:00 p.m.

## Tempe Campus

Phone: 480-965-7788
Fax: 480-965-3610
Location: Student Services Building, Room 110_[4]
Monday: 8:00 a.m. - 4:00 p.m.
Tuesday - Friday: 8:00 a.m. - 5:00 p.m.

West Campus
Phone: 480-965-7788
Fax: 480-965-3610
Location: University Center, Room 120 [5]
Monday - Friday: 8:00 a.m. - 5:00 p.m.

Source URL: https://students.asu.edu/contact/admissions

## Links:

[1] http://www.asu.edu/map/interactive/?campus=downtown\&building=UCENT
[2] https://www.asu.edu/map/interactive/?id=120\&mrklid=62663
[3] https://maps.asu.edu/?id=120\&mrklid=62667
[4] http://www.asu.edu/map/interactive/?campus=tempe\&building=SSV
[5] http://www.asu.edu/map/interactive/?campus=west\&building=UCB

## Admission for Homeschool Students

Arizona State University welcomes home school students and recognizes the unique academic experiences these students contribute to our rich, scholarly environment. We have a growing community of home-educated students who thrive in the ASU environment.

We understand that your academic background differs from students who attended public, private or charter schools. While our general admission requirements and application are geared toward students who have attended a high school, as a home school student, you can easily fill out the application and then include additional information to accurately demonstrate your accomplishments.

## Admission requirements

Home school students must meet the general requirements [1] for ASU admission, including specific documentation with your application to confirm your completion of the requirements:

- Competency Requirement - Per Arizona Board of Regents (ABOR) policy, laboratory sciences must include one class period per week in a laboratory environment and students must complete the Evaluation of Laboratory Science Courses [2] form as part of the application process. Please email your completed Evaluation of Laboratory Science Courses form to Laura Romer at ASULauraRomer@asu.edu [3]. Laura Romer is the contact for any questions you may have about the home school process.
- Aptitude Requirement - Must be met with SAT or ACT test score.
- Graduation Requirement - Upon completion of secondary school education, complete the Affidavit of Completion of Secondary School Education [2]. The affidavit must be completed by the parent/guardian and notarized.
When the Application for Admission [4] asks you which high school you attended, enter your hometown name. Scroll down through the city options until you find Home School at the bottom.

Your application will be reviewed as soon as all of these items are received by Admission Services.
For questions regarding admission for home-educated students, please contact Laura Romer at 480-965-2692 or email asuhomeschool@asu.edu [5].

## Admission to Barrett, the Honors College

Barrett, the Honors College [6] is consistently recognized nationally as a top honors experience. Barrett combines the caring and community of a top, small college on all four ASU campuses with the resources of a major public university. Home school students who want to be considered for admission to Barrett are encouraged to submit an application. Barrett requires a separate application, and an early application [7] is strongly suggested. The Barrett admission staff will help you with any questions you have about filling out the application.

## Scholarships

Through the New American University Scholarship program [8], ASU recognizes exceptional academic performance. Remember to submit your transcripts and test scores when you apply for admission by or before the scholarship priority date so that you may be considered for scholarships. Home-educated students will be considered for ASU scholarships upon admission.
Please contact Laura Romer [9] with any questions.

## Links:

[1] https://students.asu.edu/freshman/requirements
[2] http://students.asu.edu/affidavit
[3]
mailto:ASULauraRomer@asu.edu?subject=Question\%20about\%20laboratory\%20sciences\%20requirement\%20for\%20ho me-educated\%20students
[4] https://webapp4.asu.edu/uga_admissionsapp/
[5] mailto:asuhomeschool@asu.edu
[6] http://barretthonors.asu.edu/
[7] https://barretthonors.asu.edu/admissions
[8] http://students.asu.edu/scholarships/newamericanuniversity
[9] mailto:ASULauraRomer@asu.edu

## Admission for Veteran Students

## Veteran benefits

## Getting benefits started

If you are active military, a veteran or a dependent and have not used VA education benefits before at any institution of higher education, this is where you start.

If you're not sure which benefit you're eligible for or have any other questions about VA benefits, eligibility or processing timelines, feel free to contact Troy Rundle, ASU's VA VetSuccess on Campus counselor, at troy.rundle@asu.edu [1] or 480-727-5627 (office) or 602-318-0406 (cell).

## First, apply for benefits in three easy steps

## 1. Complete a VA application.

## VA benefit type <br> Use this VA application

Chapter 30, 33, 1606 and
Form 22-1990 [2] 1607

Chapter 35
Form 22-5490 [3]

## Chapter 31 <br> Eligibility/Application is determined by the Department of Veteran Affairs, Vocational

 Rehabilitation Office2. Locate your additional supporting document.

## VA benefit type

Include this supporting document

## 3. Submit your application and document directly to the VA using one of these methods.

- online with VONAPP at ebenefits.va.gov/ebenefits/vonapp [4] (easy to do and fastest processing)
(The VONAPP site is currently being updated. Use Google Chrome or Internet Explorer as your browser, not Firefox, to access this site.)
- mail to Department of Veterans Affairs, PO Box 8888, Muskogee, OK 74402-8888
- Troy Rundle, your direct link to the VA from ASU, can submit your application for you. Contact Troy at troy.rundle@asu.edu [1] or 480-727-5627 (office) or 602-318-0406 (cell) for assistance.

If you apply using VONAPP, you will receive your Certificate of Eligibility from the VA in four to eight weeks.

## Next, apply to ASU

You can apply to ASU as a freshman [5], transfer [6] or graduate [7] student before receiving your Certificate of Eligibility from or submitting your 1905 form to the VA.

Search undergraduate degrees [8] Search graduate degrees [9]
If you have questions about applying to ASU or how ASU resources and the Pat Tillman Veterans Center staff can help you succeed, contact us at ASUVeterans@asu.edu [10] or 480-965-7723.

Once you've been admitted to ASU, go to steps for newly admitted students [11] to start your benefits file with the Pat Tillman Veterans Center.

## Pat Tillman Veterans Centers

## Downtown Phoenix campus

University Center Building, Room 130
602-496-0152
480-522-3058 Fax
Hours of Operation
Mon. - Fri.: 8 a.m. - 5 p.m.

## Polytechnic campus

Administration Building
480-727-2773
480-522-3058 Fax
Hours of Operation
Mon. - Fri.: 8 a.m. - 5 p.m.

## Tempe campus

Memorial Union, Lower Level, Room 75
480-965-7723
480-522-3058 Fax

Hours of Operation
Mon. - Thur.: 8 a.m. - 6 p.m.
Fri.: 8 a.m. -5 p.m.

## West campus

University Center Building, Room 120
602-543-8220
480-522-3058 Fax
Hours of Operation
Mon. - Fri.: 8 a.m. - 5 p.m.

## ASU@Lake Havasu City

Military Student Support
480-965-7723
480-522-3058 Fax

## ASU Online

Military Student Support
militaryonline@asu.edu [12]
480-884-1906
480-522-3058 Fax

Veteran recruitment specialist [13]
Military advocate/ombudsperson [14]
VetSuccess on Campus [15]

Source URL: https://veterans.asu.edu/benefits/start

## Links:

[1] mailto:troy.rundle@asu.edu
[2] https://veterans.asu.edu/22-1990
[3] https://veterans.asu.edu/22-5490
[4] https://www.ebenefits.va.gov/ebenefits/vonapp
[5] https://students.asu.edu/admission/steps
[6] http://transfer.asu.edu/steps
[7] https://students.asu.edu/graduate/enrollment
[8] https://webapp4.asu.edu/programs/t5/?init=false\&nopassive=true
[9] https://webapp4.asu.edu/programs/t5/graduate/false
[10] mailto:ASUVeterans@asu.edu
[11] https://veterans.asu.edu/benefits/admitted
[12] mailto:militaryonline@asu.edu
[13] https://veterans.asu.edu/student-services/military-advocate\#recruitmentsp
[14] https://veterans.asu.edu/student-services/military-advocate\#advocate
[15] https://veterans.asu.edu/student-services/miliatry-advocate\#vetsuccess

If you are: active military, a veteran, a spouse or dependent and a newly admitted freshman, transfer or graduate student at ASU, read on.

## Welcome to Arizona State University!

ASU appreciates the service of our military veterans and their dependents, and we want you to know you've made a great decision to join more than 3,000 other active military, veteran and dependent students furthering their education and future careers in our top-ranked programs.
Follow these next steps toward using your benefits at ASU, which are in addition to your next steps for enrollment as a freshman [1], transfer [2] or graduate [3] student.

## To get your benefits file started at ASU, you need to submit a few forms.

You must first meet with your academic advisor and completely enroll in your courses to submit these three forms:

## VA Benefits Responsibility Form [4]

You'll fill this form out only once while at ASU. It notifies the Pat Tillman Veterans Center of your intent to use VA educational benefits, such as the GI-Bille, while at ASU. Please note that it contains important information regarding the use of VA benefits throughout your school enrollment. Fill out the form online and submit it directly to the Pat Tillman Veterans Center. You will receive a confirmation email indicating you have completed the form.

## VA Enrollment Activity Form [5]

Let the Pat Tillman Veterans Center know if you do or do not want to use VA educational benefits for the upcoming semester. Complete this online form before each semester at ASU and submit it directly to the Pat Tillman Veterans Center. You will receive an email confirming you have submitted the form.

Please make every effort to firm your schedule before submitting the form. To notify us of changes you made to your enrollment after submitting the form for any given semester, submit the form again as a revised Enrollment Activity Form by following the choices within the form.

Prior Credit Evaluation (PDF) [6]
Submit this form during the ASU application process if you are transferring courses, credits and/or previous experience. You must also submit this form if you change your major so the courses you've taken are evaluated for application to your new major. Print the form; fill out the top portion, initial the middle section, sign and date at the bottom. You email the scanned form to your academic advisor for completion. Your advisor will submit it to the Pat Tillman Veterans Center.

## Plus, one extra form for students who have used VA benefits at another school:

If you have been using VA benefits at another school, fill out the appropriate VA Request for Change or Program or Place of Training form. Submit this form to the VA as indicated in the form directions.

Chapter 30, 33, 1606 \& 1607 Form 22-1995 [7]
Chapter 35 Form 22-5495 [8]

Additionally, veterans and dependents using the Post-9/11 GI Bill®:
Submit to the Pat Tillman Veterans Center your VA Certificate of Eligibility or most recent letter from the VA that details your benefits remaining. Whenever you receive an updated COE or letter from the VA detailing your benefits, please submit a copy to the Pat Tillman Veterans Center. You may use one of these methods to submit the form:

1. Scan and email the form to PTVCforms@asu.edu [9].
2. Fax the form to the Pat Tillman Veterans Center at 480-522-3058.
3. Take the form to the Pat Tillman Veterans Center on your campus.

## Learn about eligibility for Arizona residency and in-state tuition.

If you currently are not an Arizona resident, there are three ways to receive in-state tuition.

1. HB 2410 is an Arizona law that allows honorably discharged veterans of any branch of the U.S. Armed Forces, including National Guard and Reserves, to receive in-state student status for tuition purposes. Read more [10] for requirements and filing instructions.
2. Choice Act, Section 702 grants eligible individuals immediate residency and in-state tuition rates. You are eligible if you are a veteran, or a spouse or dependent of a veteran who has been discharged within the 36 months prior to the start of your first semester from a period of active duty that was 90 days or longer AND is using either VA Chapter 30 or Chapter 33 benefits. Read more [10] for Choice Act requirements and directions for how to file.
3. The Yellow Ribbon Program will help cover the difference between resident and nonresident tuition for those who are not eligible for HB 2410 or the Choice Act, Section 702. Undergraduate and graduate students must be 100 percent eligible for the Post-9/11 GI Bill®. Read more [10] to find out how to apply.

## Connect with your ASU military advocate.

On-campus veterans, spouses and dependents: New students should contact ASU's military advocate, Michelle Loposky, at militaryadvocate@asu.edu [11] or 480-727-5626.

ASU Online student veterans: ASU Online veteran students who need assistance with online registration or advising issues resolved, please contact Mario Matus at 480-884-1906 or at militaryonline@asu.edu [12].

On-campus and ASU Online dependent and spouse students: New students should contact the ASU advocate dedicated to spouses and dependents, Michelle Loposky, at militarydependents@asu.edu [12] or 480-727-5626.

## Freshmen and transfer students, consider taking ASU's success course for veterans.

ASU offers a veteran specific introductory course - LIA 294 Student Success for Veterans - to support veterans' transition to the academic life. Both freshman and new transfer veteran students from any major are welcome to register. For more information [13]

## Graduate students: submit your graduate program of study.

As soon as you are admitted, submit a Graduate Program of Study with your advisor's assistance to ensure that the graduate courses you are taking will be covered by the VA.

## Attend the Veterans Welcome event before classes begin.

The Veterans Welcome event is a seminar-style orientation required of incoming graduate and undergraduate veteran students prior to their first semester at ASU. Hosted by ASU and the Pat Tillman Veterans Center, the Veterans Welcome event introduces valuable benefit information and procedures that will apply each semester student veterans use benefits. Spouse and dependent students do not need to attend this event.

New students will receive notifications by mail and email prior to the event so they can plan to attend and RSVP. Events are scheduled before both fall and spring semesters. Refreshments are provided. Space is limited so we request that students attend alone.

## Get involved at ASU.

Meet your fellow veterans at the Pat Tillman Veterans Center location on your campus. Check out our campus locations [14].
Pat Tillman Veterans Center Facebook page [15]. This page will connect you to academic, employment and social opportunities for success!

Join the Student Veterans Club associated with your campus for social events and camaraderie. Get connected on Facebook:

Downtown Phoenix Student Veterans Club Chapter [16]
Polytechnic Student Veterans Club Chapter [17]

## Tempe Student Veterans Club Chapter [18]

## West Student Veterans Club Chapter [19]

ASU Alumni - Veterans Chapter members mentor veteran students and help with veteran related events. alumni.asu.edu/chapters/veterans [20]

Want to stay active? Join an intramural team [21] (both competitive and recreational teams are available) or sport club [22], work out at the fitness center on your campus [23], go on an adventure and participate in the annual Pat's Run [24].
"GI Bill®" is a registered trademark of the U.S. Department of Veteran Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at www.benefits.va.gov/gibill [25].

## Source URL: https://veterans.asu.edu/benefits/admitted

## Links:

[1] https://students.asu.edu/admission/steps
[2] https://transfer.asu.edu/steps
[3] https://students.asu.edu/graduate/enrollment
[4] https://veterans.asu.edu/va-benefits-responsibility-form
[5] https://veterans.asu.edu/va-enrollment-activity-form-page
[6] https://students.asu.edu/files/PriorCreditEval12-03-12_0.pdf
[7] https://veterans.asu.edu/22-1995
[8] https://veterans.asu.edu/22-5495
[9] mailto:PTVCforms@asu.edu
[10] https://veterans.asu.edu/node/1329
[11] mailto:militaryadvocate@asu.edu
[12] mailto:militaryonline@asu.edu
[13] https://veterans.asu.edu/student-info/veteran-student-success-class
[14] https://veterans.asu.edu/node/1394
[15] https://www.facebook.com/?ref=tn_tnmn\#\!/PatTillmanVeteransCenter
[16] https://www.facebook.com/\#\!/ASUDowntownVeterans
[17] https://www.facebook.com/PolytechnicVeteransClub
[18] https://www.facebook.com/groups/asuveteransclub
[19] https://www.facebook.com/?ref=tn_tnmn\#\!/AsuWestVets
[20] https://alumni.asu.edu/chapters/veterans
[21] https://fitness.asu.edu/programs/intramurals
[22] https://fitness.asu.edu/programs/sportclubs
[23] https://fitness.asu.edu/facilities
[24] https://veterans.asu.edu/pats-run
[25] https://www.benefitis.va.gov/gibill/

## Transfer Military Credits to ASU

ASU is proud to welcome veterans of the Army, Navy, Air Force, Marines, Coast Guard and National Guard to our undergraduate student community. Ranked as one of the top public universities [1] in the world, ASU is also consistently rated as a top school for veterans [2].
Find information about how military credits transfer to ASU below. You can find additional information and resources for veterans on the ASU veterans website [3].
Have questions about transferring military credits to ASU? Talk to an ASU transfer specialist [4] or contact articulation@asu.edu [5].

## How Military Transcripts Are Evaluated

ASU uses the American Council on Education's Guide to the Evaluation of Educational Experiences in the Armed Services [6] to assess how to transfer military credits to ASU. In general, military courses must be similar to an ASU undergraduate courses program to transfer to ASU.

Military credits that transfer to ASU through educational experiences in the armed services are not applicable toward completing ASU's general studies requirements [7] for graduation but do count for total credits toward completion. No transfer credit is awarded for vocational certificate category ACE recommendations.

The JST is reviewed for potential transfer credit in accordance with VA guidelines and Arizona statutes related to awarding credit for military training and education. Credits are evaluated at time of JST submission to ASU. It is recommended the JST be sent to ASU upon application to ensure timely processing and evaluation.

## Military Transcripts Accepted by ASU

ASU accepts the following military transcripts to transfer credits:

- JST [8] (Joint Services Transcript)
- CCAF Transcript [9] (Community College of the Air Force Transcript)

The CCAF is a regionally accredited community college. This transcript must be submitted as part of a student veteran's admission package for anyone who served in the United States Air Force, Air Force Reserve or Air Guard.

The JST, unlike college or high school transcripts, is neither reviewed for undergraduate admission nor subject to admission deadlines. However, it is required to be reviewed for potential transfer credit in accordance with VA guidelines and Arizona statutes related to awarding credit for military training and education. As an official document to be reviewed as part of your academic record, please submit it as early as possible to ensure a timely processing and evaluation.

## Credit by Exam

You may earn no more than 60 hours of credit by exam for any degree program, including ASU comprehensive and proficiency exams. ASU accepts credit by exam for the following:

- College-level Examination Program [10]
- Advanced Placement [11]
- DANTES or DSST (Defense Activity for Nontraditional Education Support Subject Standardized Test) [12]
- International Baccalaureate Diploma or Certificate [13]
- Comprehensive Examinations [14]
- Proficiency Examinations [15]


## Veterans Exception

By Arizona statute, no failing grades received by a veteran at an Arizona university or community college before military service may be considered when determining admissibility. This exception may be used only one time and applies only to veterans who:

- are honorably discharged
- have served in the armed forces of the United States for a minimum of two years
- have previously enrolled at a university or community college in Arizona

Military service records must be submitted, including form DD 214.
If you believe you are eligible for the veterans exception, please contact ASU's veteran recruitment specialist at ASUVeterans@asu.edu [16].

## Get Help with Your Transfer to ASU

If you are a veteran of the United States Army, Navy, Air Force, Marines, Coast Guard or National Guard, ASU can help you make the most of your earned credits, choose an undergraduate major or minor, apply for financial aid and more. To get started, contact an ASU transfer specialist [4].

Source URL: https://transfer.asu.edu/transfer-military-credits-asu

## Links:

[1] http://yourfuture.asu.edu/rankings
[2] https://asunews.asu.edu/20120917_militaryfriendly_2013
[3] https://veterans.asu.edu
[4] https://transfer.asu.edu/contact
[5] mailto:articulation@asu.edu
[6] http://www.acenet.edu/news-room/Pages/Military-Guide-Online.aspx
[7] https://catalog.asu.edu/ug_gsr
[8] https://jst.doded.mil/smart/signIn.do
[9] http://www.au.af.mil/au/ccaf/transcripts.asp
[10] https://catalog.asu.edu/credit_exam\#CLEP
[11] https://catalog.asu.edu/credit_exam\#AP
[12] https://catalog.asu.edu/credit_exam\#DANTES
[13] https://catalog.asu.edu/credit_exam\#IB
[14] https://catalog.asu.edu/credit_exam\#COMP
[15] https://catalog.asu.edu/credit_exam\#PRO
[16] mailto:ASUVeterans@asu.edu

## Frequently Asked Questions

You've got questions, and we've got answers. If your question isn't included below, please let us know. Connect with your advocate using the buttons below or email us at PTVC@asu.edu [1].

## I may be eligible to attend ASU using VA benefits. Who do I contact for this information?

The Pat Tillman Veterans Center locations on all four campuses has been tasked by ASU to serve veterans who are using Veterans Administration (VA) educational benefits to pursue college degrees.

What do I need to do to get my educational benefits started at ASU?
The first step would be to apply for admission to the university. Once you are accepted, contact the appropriate ASU program advisor (check My ASU [2] for your advisor information). After you have enrolled in your courses, see Next steps for newly admitted students.

## How do I start a file for veteran benefits?

To start a file and initiate benefits for the term, sign a VA Benefits Responsibility Form, complete a Prior Credit Evaluation with your academic advisor, and fill out a VA Enrollment Activity Form. These forms are submitted directly to the Pat Tillman Veterans Center. For the Post-9/11 GI Bill®, please include your latest letter from the VA that details your benefit level and months/days of benefits remaining (Certificate of Eligibility). See Next steps for newly admitted students.

## Do I need to bring any paperwork with me to the office?

If you are a veteran and eligible for Ch. 30, Montgomery G.I. Bill, bring your member 4 copy of the DD-214.
If you are eligible for Ch. 33 , Post-9/11 GI Bill® benefits, provide a copy of your Certificate of Eligibility to a Pat Tillman Veterans Center.

If you are eligible for Ch. 1606, Montgomery G. I. Bill - Reservists/National Guardsmen, provide a Notice of Basic Eligibility (NOBE), DD-2384 form, which is available from your unit's Educational Officer.

If you are eligible for 1607: Reserve Educational Assistance Program, provide your orders calling your to active duty and your DD214 (member 4 copy) when released from active duty.

## How do I find out if I have any benefits left?

Contact the Department of Veterans Affairs at 1-800-827-1000.

## Can I apply for financial aid in addition to using my VA benefits?

Yes. According to legislation passed in June 2009, effective July 2009, VA benefits are no longer considered when determining financial aid eligibility.

## What extra benefits do I get for applying as a veteran?

We very much want all veterans to self-identify when applying to ASU, whether using benefits or not. By identifying as a veteran, you will receive veteran specific communications and content during the period from application through enrollment. Then, while completing your degree program at ASU, we will help make sure you are connected with other veteran and military student career, networking, professional development and social opportunities.
Stay Connected!

## What fees are covered under my GI bill?

Any fee that is universally charged by the university is covered by the GI bill. If the fee is one that is optional, your benefit will not cover it. To verify if the fee is covered, please email ptvc@asu.edu [1].
"GI Bill(®)" is a registered trademark of the U.S. Department of Veteran Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at www.benefits.va.gov/gibill [3]

Does my Gl bill cover the $\$ 300$ enrollment fee?
No, since the enrollment fees are not attached to a course of study these fees cannot be covered under your benefits.

## Is there a waiver or reduction in the application fee for veterans?

The application fee applies to all students and there is not a veteran exception.

## Where should I send my transcripts?

Official transcripts should be sent to Admission Services from the issuing institution to the address below.
Admission Services
Arizona State University
PO Box 870112
Tempe, AZ 85287-0112

## How does the Joint Service Transcript (JST) work at ASU?

ASU awards credit at the undergraduate level in accordance with the American Council on Education recommendations. JST credit cannot be used for completion of General Studies requirements.

JSTs received at ASU will be automatically reviewed for all transferable credit. These credits will be reflected on each student's degree audit report. Academic advisors will evaluate transferable credit for applicability to each student's program of study.
Because of the sequence involved in this process, typically a student must be admitted to a program of study in order to determine how their JST will affect degree completion.
Your JST is available at: https://jst.doded.mil/smart/dodMandatoryBannerForm/submit.do [4]
What do I do with my CCAF (Community College of the Air Force) transcript?
Go to http://www.airuniversity.af.mil/Barnes/CCAF/Display/Article/803247/ [5] and have it sent to ASU like a traditional transcript.

## Can I start classes online and switch to resident courses after I move there?

You can start at ASU Online but will have to change majors if you want to take resident courses after relocating.
I heard that veteran and military students receive an honor stole when they're ready to graduate. Is that true?
Yes! Veteran and military students are awarded an honor stole.
If I get deployed during the semester, what should I do?
As soon as possible let your instructors and advisors know, then contact the military advocate at militaryadvocate@asu.edu [6] to ask them what your options are.

Source URL: https://veterans.asu.edu/benefits/faqs

## Links:

[1] mailto:PTVC@asu.edu
[2] https://my.asu.edu
[3] http://www.benefits.va.gov/gibill/
[4] https://jst.doded.mil/smart/dodMandatoryBannerForm/submit.do
[5] http://www.airuniversity.af.mil/Barnes/CCAF/Display/Article/803247/
[6] mailto:militaryadvocate@asu.edu

## International freshman and transfer undergraduate admission

Arizona State University is ranked one of the best universities in the world. When you study at ASU, you will enjoy prestigious faculty, state-of-the-art facilities and a vibrant community of students from over 135 countries around the globe. At ASU, you can choose from more than 350 undergraduate degree programs that will lead you to a successful career path.

## How to apply to ASU undergraduate programs

## Admission requirements

An international student is a student on a $\mathrm{J}-1$ or $\mathrm{F}-1$ visa who is not a citizen of, or a permanent resident of, or a refugee in the United States of America.

## Academic requirement

- Freshmen must have a 3.00 grade point average (GPA) (a "B" or better where "A"=4.00) from a secondary school.
- Transfer students must have a minimum 2.50 GPA (a "C+" or better where "A"=4.00) from a college or university. Some ASU programs require a minimum transfer GPA of 3.00, including the W. P. Carey School of Business and Ira A. Fulton Schools of Engineering.
- Some ASU programs may have higher admission requirements and may require a minimum ACT or SAT score.


## English language proficiency requirement

Success at Arizona State University begins with a strong comprehension of the English language. Because our rigorous courses are taught in English and move at a fast pace, fluency in the language is necessary for understanding concepts and expressing yourself effectively.
Applicants whose native language is not English must provide proof of English language proficiency by submitting test scores from one of the following:

- Test of English as a Foreign Language (TOEFL)
- International English Language Testing System (IELTS)
- Pearson Test of English (PTE)


## Conditional admission

ASU may offer conditional undergraduate admission to international applicants who meet the academic (aptitude) requirement but who are not proficient in English. This offer of conditional admission will give you time to improve your English proficiency before you start classes at ASU. Your conditional admission offer is good for up to three semesters, during which you may do one of the following to begin your ASU experience:


## Complete ASU's <br> Global Launch Intensive English Program

$\bigcirc$


## Global Launch Intensive English Program

This program is the perfect way to prepare for full admission to ASU, and by successfully completing the program, you are not required to take the TOEFL, IELTS or PTE.
If you choose to attend, you can start as early as fall 2018. Most students who enter Global Launch with intermediate or high intermediate levels of English progress to full admission at ASU after one semester of study in the program

## Pass your TOEFL, IELTS or PTE

ASU requires a score of at least 61 TOEFL iBT, 6.0 IELTS, or 53 PTE. You are welcome to take the TOEFL, IELTS or PTE multiple times in order to receive a passing score.
A passing score will provide you full admission to ASU.
Please note: Certain majors have higher English proficiency requirements. For more information on these requirements, please visit asu.edu/degreesearch [1].

You can learn more about the Global Launch Intensive English Program at LearnEnglish.asu.edu [2]. If you have questions regarding the Global Launch program, please email GlobalLaunch@asu.edu [3] or call +1 480-965-2376.
If you have questions regarding conditional admission or taking the TOEFL, IELTS or PTE, please contact the international admission team at asuinternational@asu.edu [4] or +1 480-965-2437.
Note: ASU reserves the right to independently test any student's English proficiency upon arrival, including those who have met the English proficiency requirement, and may require support classes if the demonstrated level of English proficiency is not sufficient for academic success.

## Competency requirement

International students who attended four years of high school in the U.S. are required to meet the competency requirements.

- English: four years (composition/literature based).
- Math: four years - algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite.
- Laboratory Science: three years total (1 year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences, and physics).
- Social Science: two years (including one year American history).
- Foreign Language: two years (same language).
- Fine Arts: one year.

International students who completed high school outside the U．S．are required to meet the following competency requirements：
－Math：four years－algebra I，geometry，algebra II and one course requiring algebra II as a prerequisite．
－Laboratory Science：three years total（1 year each from any of the following areas are accepted：biology， chemistry，earth science，integrated sciences，and physics）．

## Higher requirements for some ASU schools／colleges

Some ASU colleges／schools have higher standards for admission into their programs．International applicants must meet general university international admission requirements as well as the appropriate freshman or transfer program requirements of their major．Search for your degree［1］for more details．

## Application deadlines

You must submit your application for admission to ASU，along with the application fee，by the deadline specified for each semester．In order to expedite the evaluation of your application，please remember to submit official transcripts，test scores and supporting credentials along with your application．
Spring 2019 admission：
Application deadline：Nov．1， 2018
Classes start：Jan．7， 2019
Note：Applications for summer that are not completed in time for the start of the summer session will be reviewed for admission for fall 2019.

Note：International students who have been admitted for the fall semester who would like to begin attending classes during the summer must contact Admission Services［5］by May 1，2019．Otherwise，I－20s will be created for the fall semester．

Make sure to apply as early as possible to allow time for all documentation and processes to be completed．

## Application Procedures

## 1．Complete the undergraduate application for admission．

Apply online with ASU＇s Application for Admission［6］or first－time freshmen can apply through the Common Application ［7］．ASU accepts only one application．We have no preference between the ASU application and the Common Application．If two applications are submitted，one will be canceled in our system．Application fees are nonrefundable．
Send the［sic］all supporting documents（application fee，transcripts，test scores and financial guarantee）to：

## Regular Mail／FedEx

## Admission Services

1151 S Forest Avenue
Tempe，AZ 85287－0112

## Applicants in China

If you are currently in China，please note that you can send your official transcripts directly to us in Beijing at the following address：
ASU Enrollment Advisor
Jianwai SOHO，Building 17，Suite 705
39 East 3rd Ring Middle Road，Chaoyang
Beijing，China 100022．（北京市朝阳区建外soho西区 17号楼，705室；邮编100022）
$\mathrm{T}:+8615311265171$

## Applicants in India

If you are currently in India, you can send your official transcripts directly to our enrollment advisor in Mumbai at the following address.
Mumbai Bandra Kurla Complex - Kalina
Level 2 Raheja Centre Point 294 CST Road Near Mumbai University, Off Bandra-Kurla Complex, Mumbai, 400098
T: +91 2267078700
ATTN: Poonam Venkatesh
For more information, call +919999 421089 or email asuinternational@asu.edu [4]

## 2. Submit the nonrefundable application fee.

The application fee is $\$ 85$ (U.S. Dollars). If you did not submit your application fee with your admission application, you may make your payment through My ASU [8] or submit payment in the form of a check or money order drawn on a U.S. Banking Affiliate and made payable to Arizona State University. Do not send cash or international postal money orders. Application fees cannot be waived or transferred to a future application. International freshman students can apply via the Common Application [7] instead of the ASU application and pay the application fee of $\$ 85$ through the Common Application.

## 3. Request that your official transcript be sent directly from your school(s) to Admission Services.

Official transcripts are certified copies of official documents from each secondary school, college, university and/or technical schools attended. Records must include courses completed, grades or marks earned, and certificates or degrees awarded. Include a certified English translation of all documents not written in English.

Upon graduation or completion of the semester, request that a final transcript be sent directly to ASU to determine final admission status. If your school(s) cannot send them directly to ASU, you may send them making sure they meet one of the following requirements:

- Original academic credentials issued by the registrar of the institution attended, bearing the original raised or colored seal of the institution and the signature of the institution's registrar, academic official or recognized international organization.
- Photocopies of academic credentials that have been verified as true copies of the original by a responsible official of the institution attended or by an educational representative of the country's government or embassy. Each page must bear the verifying official's signature and stamp.
- Photocopies of international academic credentials on file with the registrar of an institution you previously attended in the U.S.
- Photocopies of academic credentials that have been certified by a recognized international educational organization, such as the U.S. Educational Foundation, AMIDEAST or the Institute for International Education.


## Note:

## Any document ASU receives becomes property of ASU and will not be returned to you.

Photocopies certified by a notary public are not official. Scanned copies are also not accepted in lieu of original official academic documents.

All international transcripts must be submitted in the original language accompanied by an official English translation. Translations must be literal, complete versions of the originals and must be translated by a university, government official or official translation service. You may not complete your own translation.
You must have one set of official transcripts from every high school, college and university from which you earned a high school diploma sent to ASU (see mailing address).

Upon graduation or completion of the semester, request that a final transcript be sent directly to ASU to determine final admission status.

## 4. Submit evidence of English language proficiency.

Have your TOEFL or IELTS score sent directly to ASU.
TOEFL: The official TOEFL score report can be sent directly to ASU from the Educational Testing Service. ASU's TOEFL institutional code is 4007 . For information about this test and registration procedures, contact ETS at PO Box 6151, Princeton, NJ 08541-6151, USA or visit www.toefl.org [9].

IELTS: For information about this test and registration procedures, contact the IELTS Office, University of Cambridge Local Examination Syndicate, 1 Hills Road, Cambridge/CB1 2EU, UK or visit www.ielts.org [10].

PTE: For information about the Pearson Test of English, visit https://pearsonpte.com/ [11].

## 5. Submit your ACT or SAT scores.

If you have taken the ACT or SAT, please submit official scores to Undergraduate Admissions. Some ASU colleges/schools have minimum ACT/SAT score requirements for entrance to their programs.

## Items to Consider

- Admission to ASU cannot be determined until your file is complete and all of your credentials are evaluated.
- You must enroll full-time each semester.
- Students holding F-2 visas cannot attend ASU on a full-time basis.
- All international students on F-1 or J-1 visas must provide a Financial Guarantee [12] to show evidence of sufficient funds available for their students before their SEVIS Form I-20 can be issued. Learn more [13].

Source URL: https://students.asu.edu/international/future/undergrad

## Links:

[1] https://asu.edu/degreesearch
[2] https://learnenglish.asu.edu
[3] mailto:GlobalLaunch@asu.edu
[4] mailto:asuinternational@asu.edu
[5] https://international.asu.edu/contact-your-international-represenatives
[6] http://www.asu.edu/ugapp
[7] https://apply.commonapp.org/Login?ma=901
[8] http://my.asu.edu
[9] http://www.toefl.org
[10] http://www.ielts.org
[11] https://pearsonpte.com
[12] https://students.asu.edu/international/financial-guarantee
[13] https://students.asu.edu/international/immigration\#Receive\ SEVIS\ I-20

## ASU-USA Pathways

## What is the ASU-USA Pathways program?

The ASU-USA Pathways program combines academic coursework with customized, real-time English language and academic skills training. You will be learning the concepts of academic coursework and the necessary vocabulary and English-language skills at the same time, which will improve your performance. This program also is designed to allow you to spend only four years at a U.S. university to obtain your undergraduate degree.

## How does it work?

Students can start Pathways in the Fall (August) or Spring (January). The program consists of three terms.*
After completion of the ASU-USA Pathways Program with a 2.5 GPA** or better, ASU will guarantee admission into select degree programs [1] with a sophomore (second year) status. Students can also transfer their academic credit to other U.S. universities, provided they meet the admission standards.

| High School | ASU-USA Pathways <br> Begin your program in Fall or Spring | Arizona State University (Year 2 Sophomore) |
| :---: | :---: | :---: |
| or |  | or |
| ASU Clobal Launch IEP |  | Other U.S. universities |

*Completing less than the recommended three terms does not guarantee entering a program at sophomore level, but ASU credits will still be eligible for transfer.

## What are the admission requirements for ASU-USA Pathways?

Admissions requirements vary by school and degree program chosen. To view the admission requirements for each degree track, click here [1].

## Intensive English Program

ASU-USA Pathways may offer conditional admission into the ASU-USA Pathways program to applicants who meet the academic requirements (aptitude) but not the minimum English Proficiency requirement. Through conditional admission, students must first successfully complete the Intermediate 2 level of the Intensive English Program [2] before being allowed to enroll in the ASU-USA Pathways courses.

Source URL: https://usapathways.asu.edu/study/about-asu-usa

## Links:

[1] https://usapathways.asu.edu/degree-tracks
[2] https://usapathways.asu.edu/intensive-english-program

## How to Apply

## Application Process

- Click here [1] to apply for the ASU-USA Pathways program
- Things you will need the following items to complete your application:
- Financial Guarantee (Bank Statement or Sponsor / Scholarship Information). Download a sample financial guarantee [2].
- Passport
- Form of Payment
- Agent Information
- Dependent Information
- English Proficiency Tests
- High School Transcript

All applicants must pay the non-refundable application fee is $\$ 125$. Payment can be made by credit card or bank transfer. You will be prompted to pay the application fee at the end of the application.

## Transfer Students

Transfer students are F-1 students who are already studying in the United States and would like to change schools. Students who wish to transfer should contact the student advisor at their current school once they have applied.

- Download and print the Transfer Eligibility Verification form [3], sign it, and ask your current school's student advisor to complete it.
- Tell your student advisor that you want to transfer to the ASU-USA Pathways program. You should tell your advisor BEFORE you finish your current program.
- Submit your online application, application fee, passport copy and Statement of Financial Guarantee.
- Send a copy, or have your advisor send a copy, of the completed Transfer Eligibility Verification form to Global Launch.

Do you need help? Contact us!
Phone: +1 480-965-2376
Email: globallaunch@asu.edu [4]

Source URL: https://usapathways.asu.edu/how-to-apply

## Links:

[1] https://global-launch.secure.force.com/Apply/Pathways
[2] https://usapathways.asu.edu/sites/default/files/pathways_sample_financial_guarantee.pdf
[3] https://usapathways.asu.edu/sites/default/files/west_pathways_transfer_eligibility_form-11-8-17.pdf
[4] mailto:globallaunch@asu.edu

## Degree Tracks

Global Management

## Thunderbird School of Global Management

## Earn 25 academic credits

Are you interested in Global business? With 70 years of experience, the Thunderbird School of Global Management [1] continues its mission today in developing leaders with the global mindset, business skills and social responsibility necessary to create real, sustainable value for their organizations, communities and the world.
After successful completion of the ASU-USA Business Pathway with a 2.5 GPA or better, students are guaranteed admission into the following degree programs within the Thunderbird School of Global Management:

- Global Management, BGM - International Language and Culture [2]
- Global Management, BGM - International Business and Culture [3]
- Bachelor of International Trade, BS [4]


## Academic Requirement (meet one of the following):

- High school GPA of 2.5 or equivalent OR
- Graduating in the top $35 \%$ of class


## Meet one of the following English Proficiency Requirements:

- B+ (87\%) or better upon completion of the Intermediate 2 level of the Intensive English Program [5] OR
- TOEFL 480 PBT, 157 CBT, 55 IBT or higher on the international TOEFL
- IELTS 5.5, iTEP Academic-Plus 3.3, TEP 409 or TOEIC 490
- Pearson Test of English 39 or higher
- EIKEN: Step-Eiken 2nd grade of at least 75\% and result pass
- Chinese Mainland's College English Test (CET): Band 4 or a total mark of 450 or above in the new CET-4
- Cambridge Certificate English First (FCE) score of " C " or better
- Cambridge General Certificate of Education reflecting O Level Placement


## Business Pathway

## W. P. Carey School of Business

## Earn 26 academic credits

Ranked Top 30 in the United States, the W.P. Carey School of Business [6] is home to thousands of outstanding students who join us every year from around the world, and to our world-renowned faculty representing six continents. The W. P. Carey School of Business welcomes diversity and encourages global thinking.
After successful completion of the ASU-USA Business Pathway with a 3.0 or better, students are guaranteed admission into the following degree programs within the W.P. Carey School of Business:

- Accountancy, BS (BAACCBS)* [7]
- Business Communication, BA (BABUSCBA) [8]
- Business (Global Logistics Management), BA (BABUSGLBA)[9]
- Available as concurrent degree [10] with Bachelor of International Trade, BS
- Business (Spanish Language and Culture), BA (BABUSSLBA) [11]
- Business (Sustainability), BA (BABUSSBA) [12]

Academic Requirement (meet of the following):

- High school GPA of 2.5 or equivalent OR
- Graduating in the top $35 \%$ of class


## Meet one of the following English Proficiency Requirements:

- B+ (87\%) or better upon completion of the Intermediate 2 level of the Intensive English Program [5] OR
- TOEFL 480 PBT, 157 CBT, 55 IBT or higher on the international TOEFL
- IELTS 5.5, iTEP Academic-Plus 3.3, TEP 409 or TOEIC 490
- Pearson Test of English 39 or higher
- EIKEN: Step-Eiken 2nd grade of at least $75 \%$ and result pass
- Chinese Mainland's College English Test (CET): Band 4 or a total mark of 450 or above in the new CET-4
- Cambridge Certificate English First (FCE) score of " C " or better
- Cambridge General Certificate of Education reflecting O Level Placement
*Accountancy program requires a minimum 1230 SAT or 25 ACT.
ASU-USA Business Pathways Course Map [13]

Arts and Sciences Pathway

## New College of Interdisciplinary Arts and Sciences

Earn 25 academic credits
The New College of Interdisciplinary Arts and Sciences [14] emphasizes experiential learning that spans academic disciplines and encourages an appreciation for all forms of creativity, and each program provides study and exploration that fosters a deeper understanding of the diversity and interdependent nature of the human experience.
After successful completion of the ASU-USA Arts \& Sciences Pathway with a 2.5 or better, students are guaranteed admission into the following degree programs within the New College of Interdisciplinary Arts and Sciences:

- American Studies, BA [15]
- Applied Computing, BS [16]
- Applied Mathematics, BS [17]
- Applied Science, BAS [18]
- Biology, BS [19]
- Biology, BA [20]
- Environmental Science, BA (ASENVBA) [21]
- Environmental Science, BS (ASENVBS) [22]
- Exploratory Health and Life Sciences (ASHSCIEXPL) [23]
- Forensics, BS [24]
- Communication, BS [25]
- Communication, BA [26]
- Environmental Science, BS [27]
- History, BA [28]
- Interdisciplinary Arts and Performance, BA [29]
- Interdisciplinary Arts and Science, BA [30]
- Latin American Studies, BA [31]
- Philosophy, Religion and Society, BA [32]
- Political Science, BA [33]
- Political Science, BS [34]
- Psychology, BA [35]
- Psychology, BS [36]
- Social and Behavioral Sciences, BS [37]
- Social and Behavioral Sciences, BA [38]
- Social and Cultural Analysis, BA [39]
- Sociology, BS [40]
- Spanish, BA [41]
- Statistics, BS [42]


## Academic Requirement (meet one of the following):

- High school GPA of 2.5 or equivalent OR
- Graduating in the top $35 \%$ of class


## Meet one of the following English Proficiency Requirements:

- B+ (87\%) or better upon completion of the Intermediate 2 level of the Intensive English Program [5] OR
- TOEFL 480 PBT, 157 CBT, 55 IBT or higher on the international TOEFL
- IELTS 5.5, iTEP Academic-Plus 3.3, TEP 409 or TOEIC 490
- Pearson Test of English 39 or higher
- EIKEN: Step-Eiken 2nd grade of at least $75 \%$ and result pass
- Chinese Mainland's College English Test (CET): Band 4 or a total mark of 450 or above in the new CET-4
- Cambridge Certificate English First (FCE) score of "C" or better
- Cambridge General Certificate of Education reflecting O Level Placement

Source URL: https://usapathways.asu.edu/degree-tracks

## Links:

[1] http://www.thunderbird.edu
[2] https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/TBTGMBGM/TGMLCSPC/ALL/2017
[3] https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/TBTGMBGM/TGMBCSPC/ALL/2017
[4] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/TBINTRABS/undergrad/false
[5] https://usapathways.asu.edu/intensive-english-program
[6] https://wpcarey.asu.edu
[7] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/BAACCBS/undergrad/false?init=false\&nopassive=true
[8] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/BABUSCBA/undergrad/false
[9] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/BABUSGLBA/undergrad/false
[10]
https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/BABUSGLBA/TBINTRABS/ALL/2017? init=false\&nopassive=true
[11] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/BABUSSLBA/undergrad/false
[12] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/BABUSSBA/undergrad/false
[13] https://usapathways.asu.edu/sites/default/files/pathways_course_map-ay2018-2019.pdf
[14] https://newcollege.asu.edu/home
[15] https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/ASAMSBA/null/ALL/2016
[16] https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/ASACOBS/null/ALL/2018
[17] https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/ASMATBS/null/ALL/2018
[18] https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/ASBASBAS/null/ALL/2018
[19] https://newcollege.asu.edu/biology-degree-science
[20] https://newcollege.asu.edu/biology-degree-ba
[21] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/ASENVBA/undergrad/false
[22] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/ASENVBS/undergrad/false
[23] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/ASHSCIEXPL/undergrad/false
[24] https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/ASFOREBS/null/ALL/2018
[25] https://newcollege.asu.edu/communication-degree
[26] https://newcollege.asu.edu/communication-degree-ba
[27] https://newcollege.asu.edu/environmental-science-degree
[28] https://newcollege.asu.edu/history-studies-degree
[29] https://newcollege.asu.edu/interdisciplinary-arts-and-performance-degree
[30] https://newcollege.asu.edu/interdisciplinary-arts-and-sciences-degree
[31] https://newcollege.asu.edu/latin-american-studies-degree
[32] https://newcollege.asu.edu/philosophy-religion-and-society-degree
[33] https://newcollege.asu.edu/political-science-degree-ba
[34] https://newcollege.asu.edu/political-science-degree-bs
[35] https://newcollege.asu.edu/psychology-degree-ba
[36] https://newcollege.asu.edu/psychology-degree
[37] https://newcollege.asu.edu/social-and-behavioral-sciences-degree
[38] https://newcollege.asu.edu/social-and-behavioral-sciences-degree-ba
[39] https://newcollege.asu.edu/humanities-arts-cultural-studies-degree-programs
[40] https://newcollege.asu.edu/sociology-degree
[41] https://newcollege.asu.edu/spanish-degree
[42] https://newcollege.asu.edu/statistics-degree
[43] https://usapathways.asu.edu/sites/default/files/pathways_course_map-ay2018-2019_0.pdf

## Tuition and Fees

## How much does ASU-USA Pathways cost?

The tuition costs of the ASU-USA Pathways and degree programs for the 2017-2018 school year are detailed below. Please note that all costs are subject to change (without notice) and vary by degree program:

* Summer insurance is included in the Spring cost.
** Fall semester cost will decrease slightly if student tests into a higher-level math class.
- Students should be prepared to purchase books and materials (estimated $\$ 500$ per semester).
- Students are advised to bring extra spending money for incidentals and personal expenses.|

| 2018-19 ASU-USA Pathways Program | Tuition | Insurance | Total |
| :--- | :--- | :--- | :--- |
| New College Arts \& Sciences | $\$ 41,715.00^{* *}$ | $\$ 2,088.00^{\star}$ | $\$ 60,954.00$ |
| W.P. Carey School of Business | $\$ 42,970.00^{* *}$ | $\$ 2,088.00^{*}$ | $\$ 62,209.00$ |
| Thunderbird School of Global Management | $\$ 41,715.00^{* *}$ | $\$ 2,088.00^{\star}$ | $\$ 60,954.00$ |

## Housing Costs

For a breakdown of housing costs, please refer to the Casa de Oro [1] website.

## Direct admission to ASU

If you have a GPA of 3.0 or better and a TOEFL score of 61 or higher, you may apply for direct entry to most majors at ASU. However, you may choose ASU-USA Pathways if you feel you would like additional support during your first year at ASU while you earn university credits and receive a TOEFL waiver upon successful completion of the program.

## Payment

Upon acceptance into the ASU-USA Pathways program, an $\$ 888$ deposit must be submitted to guarantee your enrollment and housing. Fees and tuition may be paid by wire transfer or by credit card.

Source URL: https://usapathways.asu.edu/study/asu-usa-costs-and-scholarships

## Links:

[1] https://housing.asu.edu/housing-communities/residential-colleges/casa-de-oro

## Intensive English Program

Students who meet the academic requirements for the ASU-USA Pathways program but do not meet the minimum English Proficiency requirement have the opportunity to be conditionally admitted into ASU-USA Pathways.
Through conditional admission, students must first successfully complete the Intermediate 2* level of the Intensive English Program [1] through Global Launch with a B (84\%) or better, or demonstrate English proficiency as stated per their chosen degree program before being allowed to enroll in the ASU-USA Pathways courses.

Source URL: https://usapathways.asu.edu/intensive-english-program

## Links:

[1] https://learnenglish.asu.edu/about-asus-intensive-english-program-iep

## ASU Transfer Admission Requirements

## How and When to Apply for Transfer Admission

## Admission Requirements

A transfer applicant is defined as a student who has attended one or more colleges or universities and has completed 12 or more transferable college or university credits post-high school.

To find the admission requirements for your specific major, please visit Degree Search [1]. Below are the requirements for general admission to Arizona State University.
To transfer to ASU, you must meet one of the following requirements:

- graduated from high school
- earned a GED
- completed an associate degree or be in progress toward an associate degree

Questions about admission requirements or how to apply to transfer to ASU? Our transfer specialists [2] will assist you with the admission process.
General University Transfer Admission Requirements
Transfer students must meet one of the following requirements*:

- 12-23 transferable credit hours:
- minimum 2.50 cumulative GPA and meet freshman aptitude requirements [3]
- $\mathbf{2 4}$ or more transferable credit hours:
- minimum 2.50 cumulative GPA
- AGEC from an Arizona community college with a 2.50 or higher cumulative GPA
- associate degree from a regionally accredited higher education institution with:
- 2.00 or higher cumulative GPA (residents)
- 2.50 or higher cumulative GPA (nonresidents)
* "A" = 4.00; ASU accepts transfer college-level courses in which you have earned a "C-" or better.


## Transfer Coursework

ASU will accept college-level transfer coursework with grades of C - or better from a regionally accredited higher education institution.
Note: ASU will always take the first passing grade (C- or better for transfer credits). Students should not retake courses that they received a C- or better. (A higher grade the second time will not be calculated into the student's GPA.)

To see how courses transfer to ASU, view the Transfer Credit Guide [4].

## Application Steps

## 1. Complete the admission application to transfer to ASU.

Your first step to transfer to ASU is to complete the online application for admission [5]. To ensure a smooth transition and improve opportunities for financial assistance, you should start the transfer application process one year prior to your planned enrollment date at ASU.

## 2. Submit the nonrefundable transfer application fee.

Arizona resident: \$50
Domestic nonresidents: \$70
International students: \$85
ASU Online: \$70

You can pay using a credit card (Visa or MasterCard) or eCheck at the time you submit your transfer application or when you log in to My ASU. Or you can mail a check or money order to Admission Services (payable to Arizona State University) at the address below.

Admission Services
Arizona State University
PO Box 870112
Tempe AZ 85287-0112

## 3. Request to have your official transcripts and test scores mailed to ASU

## College or university transcripts

ASU requires official transcripts from all previous institutions in order to process your application. Please contact the registrar's office at your college or university and request for official transcripts to be sent directly to Admission Services. Official transcripts delivered by hand will only be accepted if they are sealed in the original envelope provided by the community college or university and bear the university seal and the signature of the Registrar of the issuing institution.

If your college or university uses Parchment, eSCRIP, or National Clearinghouse to send electronic transcripts, please request that your institution sends us your official transcripts by choosing Arizona State University on the request form.
Upon graduation or completion of your final semester at your current school, request a final transcript be sent directly to ASU Admission Services to determine final admission status. Receipt of your final transcript impacts financial aid disbursement and your eligibility to register for classes. (Note: ASU does not accept faxed college transcripts.)

## Mailing addresses for admission materials

If mailing via the U.S. Postal Service:
Admission Services
Arizona State University
PO Box 870112
Tempe AZ 85287-0112
If sending via FedEx, DHL or UPS:
Admission Services
Arizona State University
Student Services Building, room 112
1151 S. Forest Ave
Tempe, AZ 85287

High school transcripts
Regardless of your age or number of college credit hours, if you have not completed an associate or bachelor's degree at the time you apply to ASU, you must submit one of the following to complete your application:

- official high school transcripts (with graduation date posted)
- official GED transcripts
- Affidavit of Completion of Secondary School Education

ASU accepts hand-delivered official high school transcripts in sealed envelopes from applicants. (Note: ASU does not accept faxed college transcripts.)

## Test scores

Have your ACT or SAT scores sent directly to ASU. If you have taken AP, IB or CLEP exams, request your scores be sent directly to ASU.
International transcripts and test scores
If you are an international transfer student [6], please have your TOEFL or IELTS scores sent to ASU directly from the testing agency. All international foreign-language transcripts must be sent directly to ASU by the issuing agency in the original language, accompanied by an official English translation. If you need more information, please view international application procedures [7].
4. Activate your ASURITE UserID and MyASU account (where you can keep track of your application status).

You will receive your ASURITE UserID and activation code via email within one to three business days of submitting your application. If you have previously applied to ASU, your ASURITE UserID will remain the same.
5. After you have applied, you're encouraged to:

- Complete the FAFSA. Submit the Free Application for Federal Student Aid, or update to indicate ASU as your new school (School Code 001081), to be considered for financial aid [8].
- Apply for scholarships [9].
- Schedule a campus tour [10].
- Explore Barrett, the Honors College [11].


## Important Dates for Fall 2018 Admission

First day FAFSA is available for 2018-2019: Oct. 1, 2017
FAFSA priority date: Jan. 1, 2018*
VIP application date: Feb. 1, 2018*
Class registration begins: late Feb. 2018
Classes start: Aug. 16, 2018
*Students must submit their FAFSA and application materials by Feb. 1 to be considered for ASU merit and need-based awards. Late applicants will be considered for university admission, but ASU undergraduate degree programs with higher transfer admission standards will give priority consideration to applications submitted by Feb. 1. You can find other important dates on ASU's academic calendar [12].

## Important Dates for Spring 2019 Admission

FAFSA priority date: Oct. 1, 2018
Class registration begins: Late Oct. 2018
Priority application date: Nov. 1, 2018
Classes start (Sessions A \& C): Jan. 7, 2019

Source URL: https://transfer.asu.edu/apply

## Links:

[1] https://webapp4.asu.edu/programs/t5/undergrad/false
[2] http://transfer.asu.edu/contact
[3] https://students.asu.edu/freshman/requirements
[4] http://transfer.asu.edu/credits
[5] https://webapp4.asu.edu/uga_admssionsapp/
[6] https://students.asu.edu/international/future/undergrad
[7] https://students.asu.edu/international/future/undergrad\#responsibilities
[8] https://students.asu.edu/financialaid/apply
[9] https://scholarships.asu.edu
[10] https://visit.asu.edu
[11] https://barretthonors.asu.edu
[12] http://students.asu.edu/academic-calendar

## Transfer FAQs

Interested in transferring to ASU? Here, you'll find answers to frequently asked questions about how to transfer to ASU, including:

Transfer Deadlines
Transfer Steps
How to Transfer Credits to ASU
How to Apply to ASU

## 1. WHAT IS ASU'S DEFINITION OF A TRANSFER STUDENT?

A transfer student is anyone applying for admission to Arizona State University who has attended another college or university and has completed 12 or more transferable credits post-high school, at the time of application. If you are completing college courses while in high school, you are considered a freshman and not a transfer student.

## 2. WHAT ARE ASU'S TRANSFER DEADLINES?

You can find important deadlines for transfer students on the Apply to Transfer to ASU [1] page. Remember to submit your ASU application as early as you can to ensure a smooth transfer process and improve opportunities for financial assistance.

## 3. WHAT ARE THE ADMISSION REQUIREMENTS FOR TRANSFER STUDENTS?

Please see ASU's transfer admission requirements [1] for details.

## 4. I AM READY TO APPLY TO TRANSFER TO ASU. WHAT DO I DO NEXT?

Apply online to transfer to ASU [2].
Pay the application fee.
Request that your official high school and college transcripts be sent to ASU:
ASU Admission Services
P.O. Box 870112

Tempe, AZ 85287-0112
Find more details about transfer steps [1].

## 5. WHO CAN I SPEAK WITH ABOUT MY TRANSFER TO ASU?

ASU's expert transfer specialists are available to answer your questions and help with your transfer to ASU. Find your transfer specialist [3].

## 6. WILL I HAVE TO SEND ACT AND SAT TEST SCORES TO TRANSFER TO ASU?

It depends on your particular situation. If you transfer fewer than 24 transferable credits, you must also meet freshman admission requirements, which may require ACT and SAT scores. Also, some majors, such as business, require a particular ACT or SAT score for admission into the program. See undergraduate degree search [4] for admission information specific to your major.

## 7. WILL I HAVE TO SEND HIGH SCHOOL TRANSCRIPTS TO APPLY?

Yes, unless you have an associate degree (or higher) from a regionally accredited college or university posted on your transcripts. High school transcripts should be sent directly from your high school to:

ASU Admission Services
P.O. Box 870112

Tempe, AZ 85287-0112

## 8. DO I HAVE TO SEND ALL MY COLLEGE TRANSCRIPTS?

Yes. In order for ASU to determine whether you meet admission requirements, we must evaluate your entire academic history, including course work completed at each college or university attended, regardless of academic performance. College transcripts should be sent directly from your college to:

ASU Admission Services
P.O. Box 870112

Tempe, AZ 85287-0112

## 9. HOW DO I TRANSFER COLLEGE CREDITS?

You can find detailed information about how to transfer college credits to ASU on the Transfer Credits to ASU [5] page.

## 10. HOW DO I CHOOSE AN UNDERGRADUATE MAJOR?

There are a variety of resources available to help you select your major or minor. You can start by visiting ASU's undergraduate degree search [6] to explore the more than 300 degree programs at ASU. You can also talk with an ASU transfer specialist [3].

## 11. I ATTENDED ASU PREVIOUSLY; AM I A TRANSFER STUDENT OR A READMISSION STUDENT? DO I NEED TO REAPPLY?

If you have previously attended ASU as a degree-seeking student, you will be considered a readmission student. Please see readmission information [7].

## 12. I APPLIED TO ASU AND WAS ADMITTED BUT DID NOT ATTEND. DO I NEED TO REAPPLY?

Yes, you need to reapply. Be sure to sign into My ASU [8] to see if any additional items are needed to complete your file.

## 13. DO I HAVE TO HAVE AN ASSOCIATE DEGREE TO TRANSFER TO ASU?

No, you can transfer to ASU at any time as long as you meet the transfer admission requirements [1]. However, ASU recommends attaining your associate degree before transferring.

## 14. WHAT ARE THE ARIZONA RESIDENCY REQUIREMENTS?

Being declared a resident by the State of Arizona differs from being considered a resident for tuition purposes by ASU. The Residency Classification office has specific guidelines to follow when determining a student's residency status, initially based on the information provided on the application for admission. For more information, please review our Residency Information [9].

## 15. WHAT PREREQUISITES DO I NEED TO COMPLETE BEFORE I CAN TRANSFER TO ASU?

There are no prerequisites required to be admitted to Arizona State University, unless you have fewer than 24 transferable credits. Students with fewer than 24 transferable credits are required to meet freshman admission requirements [10], including aptitude and competency requirements.

## 16. CAN I LIVE ON CAMPUS AS A TRANSFER STUDENT?

Yes, ASU has housing devoted specifically to upper-division students and strongly encourages all students to live on campus during their first year at ASU. For more information, please refer to the University Housing website [11].
There is also a variety of off-campus housing options in close proximity to ASU's campuses. For more information on offcampus housing, check out the Center for Off-Campus \& Commuter Student Services [12].

## 17. HOW MUCH DOES ASU TUITION COST?

Find information about tuition and fees [13].

## ASU Transfer FAQs for California Residents

1. If attending a California community college, is the IGETC/CSU GE required to transfer to ASU?

The IGETC/CSU GE is not a requirement for admission to ASU but is highly recommended. Completing either of the GE patterns and getting certified by your community college will satisfy the General Studies requirements at ASU. Learn more about how to transfer to ASU from a California community college [14].

## 2. What does it mean to get IGETC/CSU GE certified?

Getting certified means you have completed all General Education requirements at your California community college. If you have confirmed with your community college counselor that you are eligible for the certification, ASU will require that you submit the official certification along with your official transcripts to Admission Services.
3. Currently, I don't meet the Western Undergraduate Exchange admissions requirements. Should I wait to apply? No. Even though you may not currently qualify for WUE, we will always re-evaluate your admission to the program if you currently have courses in progress and submit your last and final transcripts.
4. I live in California but would like to meet with an ASU representative in person to discuss the transfer process. ASU representatives will be attending college transfer fairs and hosting various visits at community colleges throughout the state of California. Find your transfer specialist [3].

Source URL: https://transfer.asu.edu/faqs

## Links:

[1] https://transfer.asu.edu/apply
[2] https://webapp4.asu.edu/uga_admissionsapp/
[3] https://transfer.asu.edu/contact
[4] https://webapp4.asu.edu/programs
[5] https://transfer.asu.edu/credits
[6] https://asu.edu/programs
[7] http://students.asu.edu/readmission
[8] https://my.asu.edu
[9] https://students.asu.edu/residency
[10] http://students.asu.edu/freshman/requirements
[11] http://asu.edu/housing
[12] http://www.asu.edu/studentaffairs/reslife/occss/
[13] https://students.asu.edu/tuitionandfees
[14] https://transfer.asu.edu/california

## ASU Transfer Pathway Programs

ASU has partnerships with community colleges around the nation to help you make a smooth transfer to the university by finding out which courses you need to take that will transfer in to your ASU major. Signing up for a pathway program can save you time and money so you can stay focused on pursuing your bachelor's degree.

## Pathway Programs

ASU currently has partnerships with community colleges in Arizona, California, Illinois and Washington.

## Arizona

## Maricopa to ASU Pathways Program

Maricopa Community Colleges [1]
Chandler-Gilbert Community College
Estrella Mountain Community College
GateWay Community College
Glendale Community College
Mesa Community College
Paradise Valley Community College
Phoenix College
Rio Salado College
Scottsdale Community College
South Mountain Community College
Transfer Admission Guarantee
Arizona Community Colleges
Arizona Western College [2]
Central Arizona College [3]
Cochise College [4]
Coconino Community College [5]
Diné College [6]
Eastern Arizona College [7]
Gila Community College [8]
Mohave Community College [9]
Northland Pioneer College [10]
Pima Community College [11]
Tohono O'odham Community College [12]
Yavapai College [13]

## California

Learn more about the Guaranteed Program for Admission [14] for California community college students.

Illinois
Learn more about the Guaranteed Program for Admission [15] for Illinois community college students.

## Washington

Learn more about the Guaranteed Program for Admission [16] for Washington community college students.

## International Students

Learn about the ASU-USA Pathways Program [17], which is designed for international students who want to earn a degree from ASU.

## General Transfer

You can transfer to ASU at any time and complete a bachelor's degree in one of more than 300 undergraduate programs. Please review transfer admission requirements [18], search ASU degree programs [19], and check out the Transfer Credit Guide [20] to see how your college credits will transfer to ASU. Contact a transfer specialist [21] for additional information.

Source URL: https://transfer.asu.edu/transfer-pathway-programs

## Links:

[1] https://transfer.asu.edu/maricopa
[2] https://transfer.asu.edu/azwestern
[3] https://transfer.asu.edu/central-az
[4] https://transfer.asu.edu/cochise
[5] https://transfer.asu.edu/coconino
[6] https://transfer.asu.edu/dine
[7] https://transfer.asu.edu/eac
[8] https://transfer.asu.edu/gila
[9] https://transfer.asu.edu/mohave
[10] https://transfer.asu.edu/northland-pioneer
[11] https://transfer.asu.edu/pima
[12] https://transfer.asu.edu/tohono-oodham
[13] https://transfer.asu.edu/yavapai
[14] https://transfer.asu.edu/node/81514
[15] https://transfer.asu.edu/node/85878
[16] https://transfer.asu.edu/node/81534
[17] https://usapathways.asu.edu
[18] https://transfer.asu.du/node/81542
[19] https://asu.edu/degrees
[20] https://transfer.asu.edu/transfer-credits
[21] https://transfer.asu.edu/contact

## Transfer to ASU from an Arizona Community College

Everyone's path to earning a bachelor's degree is different. Whether you are just starting your two-year degree program at an Arizona community college, or have completed your associate degree, ASU has resources to help you make the most of your earned credits when you transfer from a community college.

## Arizona community colleges

Maricopa Community Colleges [1]
Chandler-Gilbert Community College
Estrella Mountain Community College
GateWay Community College
Glendale Community College
Mesa Community College
Paradise Valley Community College
Phoenix College
Rio Salado College

Scottsdale Community College
South Mountain Community College
Arizona Western College [2]
Central Arizona College [3]
Cochise College [4]
Coconino Community College [5]
Diné College [6]
Eastern Arizona College [7]
Gila Community College [8]
Mohave Community College [9]
Northland Pioneer College [10]
Pima Community College [11]
San Carlos Apache College [12]
Tohono O'odham Community College [13]
Yavapai College [14]

## Why Transfer to ASU?

Offering more than 300 undergraduate degree programs [15], Arizona State University is consistently ranked as one of the top colleges in the nation and the world for academics, innovation and value:

- ASU is ranked one of the top 100 universities in the world and top 50 in the United States by the Academic Ranking of World Universities [16].
- U.S. News \& World Report ranks ASU the most innovative school in the nation [17].
- ASU ranks as one of the top best buy public colleges [18] in the United States, Canada, and the United Kingdom, according to the Fiske Guide to Colleges, 2015.
- The Princeton Review ranks ASU in the top 15 percent of all four-year public colleges [19] in America for undergraduate education.

See more reasons to transfer to ASU [20].

## Get Help with Your Transfer to ASU

ASU transfer specialists [21] can help you prepare for your transfer to ASU, answer questions about the application process and guide you to additional ASU resources. To learn more about undergraduate programs, career opportunities and admission requirements, use the ASU degree search tool [15].
You can also find college course equivalencies by using our Transfer Credit Guide [22].

Source URL: https://transfer.asu.edu/communitycollege/AZ

## Links:

[1] https://transfer.asu.edu/maricopa
[2] https://transfer.asu.edu/azwestern
[3] https://transfer.asu.edu/central-az
[4] https://transfer.asu.edu/cochise
[5] https://transfer.asu.edu/coconino
[6] https://transfer.asu.edu/dine
[7] https://transfer.asu.edu/eac
[8] https://transfer.asu.edu/gila
[9] https://transfer.asu.edu/mohave
[10] https://transfer.asu.edu/northland-pioneer
[11] https://transfer.asu.edu/pima
[12] https://transfer.asu.edu/sancarlosapache
[13] https://transfer.asu.edu/tohono-oodham
[14] https://transfer.asu.edu/yavapai
[15] https://webapp4.asu.edu/programs/t5/undergrad?init=false\&nopassive=true
[16] http://www.shanghairanking.com/ARWU2014.html
[17] https://asunow.asu.edu/20160912-asu-news-asu-selected-nations-most-innovative-school-second-straight-year
[18] https://asunews.asu.edu/20140715-asu-fiske-best-buy-college
[19] https://asunews.asu.edu/201400815-princeton-review-rankings
[20] http://yourfuture.asu.edu/rankings
[21] https://transfer.asu.edu/contact
[22] https://transfer.asu.edu/credits

## Guaranteed Program for Admission: California Community College Students

## Guaranteed Program for Admission

ASU, ranked as one of the top public universities [1] in the nation and the world, is a top choice for California transfer students to complete their bachelor's degree.
Designed for California community college students, the Guaranteed Program for Admission helps you stay focused on earning your undergraduate degree and plan for a smooth transfer to ASU. To take part in the Guaranteed Program for Admission, you must attend a community college that participates in the program.

## Guaranteed admission to ASU in three easy steps:

1. Complete the sign-up form [2] for the Guaranteed Program for Admission.
2. Apply for admission [3] to ASU when you're ready to transfer.
3. Enroll in classes at ASU to achieve your undergraduate degree.

View a timeline for the Guaranteed Program for Admission [4].
Have questions? Talk to an ASU transfer specialist [5].

## Benefits of the Guaranteed Program for Admission

The Guaranteed Program for Admission offers students at participating California community colleges the following benefits:

- ASU tools and guidance on which courses to take while attending your community college
- acceptance of IGETC or CSU GE course work for ASU lower-division general studies requirements
- ability to transfer to ASU in the fall or spring semester
- classes at ASU available during the semester you need them - no impacted programs
- your catalog year will remain the year you sign the agreement rather than the year you are admitted to ASU

Sign up for the Guaranteed Program for Admission [2]

## Guaranteed Admission Requirements

General university admission is guaranteed upon successfully meeting the following conditions*:

- an associate degree with a minimum cumulative transfer GPA of 2.50
or
- a fully certified Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE), with a minimum cumulative transfer GPA of 2.50 plus either a final high school transcript or GED
or
- completion of at least 24 transferable semester credits with a minimum cumulative transfer GPA of 3.00 ( $4.00=$ "A") plus either a final high school transcript or GED
You will also need to submit an Arizona State University admission application [6], including any additional documents required, such as official college transcripts. (International students must also provide a financial guarantee and evidence of English language proficiency.) To find out how a course will transfer to ASU, check our Transfer Credit Guide [7].
*Some ASU colleges and schools have additional or higher requirements for admission into their programs. To search for degree programs and find more detailed information about admission requirements, use the ASU degree search [8] tool.


## Western Undergraduate Exchange

ASU is part of the Western Undergraduate Exchange (WUE). The program offers students from 14 Western states (not including Arizona) the opportunity to choose from select ASU degree programs at a discounted nonresident tuition rate. Learn more about the Western Undergraduate Exchange [9].

## How students can save money on an ASU degree:

- ASU participates in the Western Undergraduate Exchange [9], which offers reduced nonresident tuition to students from select Western states, including California, for specific ASU degree programs.
- Veterans [10] who have been honorably discharged are eligible for in-state tuition.
- ASU Online [11] offers more than 60 undergraduate degree programs at a reduced tuition rate.
- ASU Colleges at Lake Havasu City [12] in western Arizona offers nearly 20 degrees and three exploratory programs at a lower tuition rate.
- ASU's locations across the state (ASU@The Gila Valley [13], ASU@Pinal [14], ASU@Cochise [15], ASU@Yuma [16]) offer high-demand programs in those regions at a reduced tuition rate.


## Contact Us

College Students: If you have questions about transferring to ASU or if you don't see your community college on the list of participating institutions, please contact your transfer specialist [17] in Transfer Admissions.
College Administrators: If you would like to have your institution participate in this program, or if you have questions about the program, please contact Melanie Pshaenich [18] in the Office of Academic Partnerships.

## Participating Colleges

| Allan Hancock College | College of Marin | El Camino College |
| :--- | :--- | :--- |
| American River College | College of San Mateo | Evergreen Valley College |
| Antelope Valley College | College of the Canyons | Feather River College |
| Bakersfield College | College of the Desert | Folsom Lake College |
| Barstow Community College | College of the Redwoods | Foothill College |
| Berkeley City College | College of the Sequoias | Fresno City College |
| Butte College | College of the Siskiyous | Fullerton College |
| Cabrillo College | Columbia College | Gavilan College |
| Canada College | Compton College | Glendale Community College |
| Cerritos College | Contra Costa College | Golden West College |
| Cerro Coso Community College | Copper Mountain College | Grossmont College |
| Chabot College | Cosumnes River College | Hartnell College |
| Chaffey College | Crafton Hills College | Imperial Valley College |
| Citrus College | Cuesta College | Irvine Valley College |
| City College of San Francisco | Cuyamaca College | Lake Tahoe Community College |
| Clovis Community College | Cypress College | Laney College |
| Coastline Community College | De Anza College | Las Positas College |
| College of Alameda | Diablo Valley College | Lassen Community College |


| Los Angeles City College | Mt. San Jacinto College | San Joaquin Delta College |
| :--- | :--- | :--- |
| Los Angeles Harbor College | Napa Valley College | San Jose City College |
| Los Angeles Mission College | Norco College | Santa Ana College |
| Los Angeles Pierce College | Ohlone College | Santa Barbara City College |
| Los Angeles Southwest College | Orange Coast College | Santa Monica College |
| Los Angeles Trade Technical | Oxnard College | Santa Rosa Junior College |
| College | Palomar College | Santiago Canyon College |
| Los Angeles Valley College | Palo Verde College | Shasta College |
| Los Medanos College | Pasadena City College | Sierra College |
| Mendocino College | Porterville College | Skyline College |
| Merced College | Reedley College | Solano Community College |
| Merritt College | Rio Hondo College | Southwestern College |
| Mira Costa College | Riverside City College | Taft College |
| Mission College | Sacramento City College | Ventura College |
| Modesto Junior College | Saddleback College | Victor Valley College |
| Monterey Peninsula College | San Bernardino Valley College | West Los Angeles College |
| Moorpark College | San Diego City College | West Valley College |
| Moreno Valley College | San Diego Mesa College | Woodland Community College |
| Mt. San Antonio College | San Diego Miramar College | Yuba College |

Source URL: https://transfer.asu.edu/california

## Links:

[1] http://yourfuture.asu.edu/rankings
[2] https://webapp4.asu.edu/pathway/app/gpa?state=CA
[3] https://transfer.asu.edu/apply
[4] https://transfer.asu.edu/node/85149
[5] https://transfer.asu.edu/contact
[6] https://webapp4.asu.edu/uga_admissionsapp/
[7] https://webapp4.asu.edu/transfercreditguide/app/home
[8] https://webapp4.asu.edu/programs/t5
[9] https://students.asu.edu/admission/wue
[10] https://veterans.asu.edu
[11] http://asuonline.asu.edu
[12] https://havasu.asu.edu
[13] https://transfer.asu.edu/thegilavalley
[14] https://transfer.asu.edu/pinal
[15] https://transfer.asu.edu/asucochise
[16] https://transfer.asu.edu/asuyuma
[17] https://transfer.asu.edu/contact?field_state_value=CA\&tid=3
[18] mailto:melanie7@asu.edu

## Guaranteed Program for Admission: Illinois Community College Students

ASU, ranked as one of the top public universities in the nation and the world, is also a top choice for Illinois college students who transfer out of state to complete their undergraduate degrees. Designed for community college students, the Guaranteed Program for Admission helps you stay focused on earning your undergraduate degree and planning for a smooth transfer to ASU.

To take part in the Guaranteed Program for Admission, you must attend a community college that participates in the program.

## Guaranteed admission to ASU in three easy steps:

1. Complete the sign-up form [1] for the Guaranteed Program for Admission.
2. Apply for admission [2] to ASU when you're ready to transfer.
3. Enroll in classes at ASU to achieve your undergraduate degree.

View a timeline for the Guaranteed Program for Admission [3].
Have questions? Talk to an ASU transfer specialist [4].

## Benefits of the Guaranteed Program for Admission

The Guaranteed Program for Admission offers community college students the following benefits:

- ASU tools and guidance on which courses to take while attending your community college
- acceptance of the completed Illinois Transferable General Education Core Curriculum as satisfying the ASU lower-division general studies requirements
- ability to transfer to ASU in the fall or spring semester
- classes at ASU available during the semester you need them - no impacted programs
- your catalog year will remain the year you sign the agreement rather than the year you are admitted to ASU


## Guaranteed Admission Requirements

General university admission is guaranteed upon successfully meeting the following conditions:*

- completion of at least 24 transferable semester credits with a minimum cumulative transfer GPA of 3.00 (4.00="A") plus either a final high school transcript or GED
or
- a completed IIlinois Transferable General Education Core Curriculum at an IAI institution [5], with a minimum cumulative transfer GPA of 2.50 plus either a final high school transcript or GED
or
- A transfer associate degree with a minimum cumulative transfer GPA of 2.50.

You will also need to submit an Arizona State University admission application, including any additional documents required, such as official college transcripts. (International students [6] must also provide a financial guarantee and evidence of English language proficiency.) To find out how a course will transfer to ASU, check our Transfer Credit Guide [7].
*Some ASU colleges and schools have additional or higher requirements for admission into their programs. To search for degree programs and find more detailed information about admission requirements, use the ASU degree search [8] tool.

## Contact Us

College Students: If you have questions about transferring to ASU or if you don't see your community college on the list of participating institutions, please contact your transfer specialist [4] in Transfer Admissions.

College Administrators: If you would like to have your institution participate in this program, or if you have questions about the program, please contact Melanie Pshaenich [9] in the Office of Academic Partnerships.

## Participating Colleges

Carl Sandburg College
College of Lake County
Elgin Community College
Frontier Community College
Harold Washington College
Harper College
Harry S. Truman College
Joliet Junior College
Kennedy-King College
Lincoln Trail College
Malcolm X College
McHenry County College
Olive-Harvey College
Olney Central College
Richard J. Daley College
Sauk Valley Community College
Wabash Valley College
Waubonsee Community College
Wilbur Wright College

Source URL: https://transfer.asu.edu/illinois

## Links:

[1] https://webapp4.asu.edu/pathway/app/gpa?state=IL
[2] https://transfer.asu.edu/apply
[3] https://transfer.asu.edu/node/85149
[4] https://transfer.asu.edu/contact?field_state_value=IL\&tid=3
[5] http://itransfer.org/IAl/gened/
[6] https://students.asu.edu/international
[7] https://webapp4.asu.edu/transfercreditguide/app/home
[8] https://webapp4.asu.edu/programs/t5
[9] mailto:melanie7@asu.edu

## Guaranteed Program for Admission: Washington Community College Students

ASU, ranked as one of the top public universities [1] in the nation and the world, is also a top choice for Washington college students who transfer out of state to complete their undergraduate degrees.
Designed for Washington community college students, the Guaranteed Program for Admission helps you stay focused on earning your undergraduate degree and plan for a smooth transfer to ASU. To take part in the Guaranteed Program for Admission, you must attend a community college that participates in the program.

## Guaranteed admission to ASU in three easy steps:

1. Complete the sign-up form [2] for the Guaranteed Program for Admission.
2. Apply for admission [3] to ASU when you're ready to transfer.
3. Enroll in classes at ASU to achieve your bachelor's degree.

View a timeline for the Guaranteed Program for Admission [4].
Have questions? Talk to your ASU transfer specialist [5].

## Why Transfer to ASU?

Earn a degree from a Pac-12 university that allows you to create an academic experience that is uniquely yours. Choose from more than 300 undergraduate degrees [6], 250+ study abroad programs and 1,000 student clubs. At ASU, you can conduct undergraduate research, develop your entrepreneurial ideas, learn in state-of-the-art classrooms and labs, and receive career guidance and support as you seek internships and career opportunities upon graduation.

## Benefits of the Guaranteed Program for Admission

The Guaranteed Program for Admission offers students at participating Washington community colleges the following benefits:

- ASU tools and guidance on which courses to take while attending your community college
- ability to transfer to ASU in the fall or spring semester
- classes at ASU available during the semester you need them.
- your catalog year will remain the year you sign the agreement rather than the year you are admitted to ASU Sign up for the Guaranteed Program for Admission [7].


## Guaranteed Admission Requirements

General university admission is guaranteed upon successfully meeting the following conditions:*

- completion of at least 36 transferable quarter credits ( 24 semester credits) with a minimum cumulative transfer GPA of 3.00 ( $4.00=$ "A"), plus a final high school transcript or GED
or
- an transfer associate degree, which equals at least 90 transferable quarter credits ( 60 semester credits) with a minimum cumulative transfer GPA of 2.50
You will also need to submit an Arizona State University admission application, including any additional documents required, such as official college transcripts. (International students must also provide a financial guarantee and evidence of English language proficiency.) To find out how a course will transfer to ASU, check our Transfer Credit Guide [8].
*Some ASU colleges and schools have additional or higher requirements for admission into their programs. To search for degree programs and find more detailed information about admission requirements, use the ASU degree search [9] tool. ASU's nursing programs are not eligible for the Guaranteed Program for Admission in Washington.


## Western Undergraduate Exchange

ASU is part of the Western Undergraduate Exchange (WUE). The program offers students from 14 Western states (not including Arizona) the opportunity to choose from select ASU degree programs at a discounted nonresident tuition rate. Learn more about the Western Undergraduate Exchange [10].

## Contact Us

College Students: If you have questions about transferring to ASU or if you don't see your community college on the list of participating institutions, please contact your transfer specialist [11] in Transfer Admissions.
College Administrators: If you would like to have your institution participate in this program, or if you have questions about the program, please contact Melanie Pshaenich [12] in the Office of Academic Partnerships.

## Participating Colleges

Bellevue College
Cascadia College
Centralia College
Edmonds Community College
Green River College
Highline College
Lower Columbia College
Olympic College
Peninsula College
Pierce College
Seattle Central College
Shoreline Community College
South Seattle College
Tacoma Community College

Source URL: https://transfer.asu.edu/washington

## Links:

[1] http://yourfuture.asu.edu/rankings
[2] https://webapp4.asu.edu/pathway/app/gpa?state=wa
[3] https://transfer.asu.edu/apply
[4] https://transfer.asu.edu/node/85149
[5] https://transfer.asu.edu/contact
[6] http://asu.edu/degrees
[7] https://webapp4.asu.edu/pathway/app/gpa;jsessionid=5223EF215F4574BC8FA911E5B3E61E0F.pathway9?state=WA
[8] https://webapp4.asu.edu/transfercreditguide/app/home
[9] https://webapp4.asu.edu/programs/t5
[10] https://students.asu.edu/admission/wue
[11] https://transfer.asu.edu/contact?field_state_value=WA\&tid=3
[12] mailto:melanie7@asu.edu

## Guaranteed Program for Admission in partnership with BYU-Idaho

ASU, ranked one of the top public universities [1] in the nation and the world, is a great choice for students to complete their bachelor's degrees.

BYU-Idaho students who wish to transfer to ASU will choose one of the following two transfer options:

- The Guaranteed Program for Admission (or GPA) is for students wishing to transfer from BYU-Idaho with course-by-course equivalencies who have achieved at least 24 transferable credits and up to 60 transferable lower-division credits with a minimum 2.50 grade point average.

Or

- The Associate of Applied Science to Bachelor of Applied Science Program (AAS to BAS) for students who have completed an Associate of Applied Science from BYU-Idaho and who want to complete a Bachelor of Applied Science in a complementary discipline at ASU. BYU-Idaho students who complete their AAS will receive 60 credits in transfer towards a complementary BAS degree at ASU, thus requiring a maximum of 60 additional credits to complete their BAS at ASU.


## ASU's Guaranteed Program for Admission

The Guaranteed Program for Admission helps you plan for a smooth transfer to ASU and stay focused on earning your bachelor's degree. This program is designed for students who achieve at least 24 transferable lower-division credits and up to 60 transferable lower-division credits with a minimum of a 2.5 grade point average. Some majors will require a higher grade point average or other special requirements [2].

You will first determine which ASU degree you wish to pursue using ASU's Degree Search [2] tool. Then, you'll use ASU's Transfer Credit Guide [3] to determine the courses at BYU-Idaho that are equivalent to the needed ASU courses.

## Benefits of signing up for the program

- guaranteed acceptance to your ASU degree program when all Guaranteed Program for Admission requirements are met
- a cost-effective and time-efficient pathway ensuring courses transfer and apply to an ASU degree
- access to an ASU transfer specialist [4] and pre-enrollment services
- online tools such as My ASU [5] and the Transfer Credit Guide [3]
- ASU communications and event invitations


## Terms of your agreement

- work with your BYU-Idaho advisor and your ASU transfer specialist [4] to monitor your progress.
- understand and meet admission requirements (learn about general university transfer admission requirements [6] and requirements for your major [7])
- complete the BYU-Idaho coursework for the GPA in three years or less from the point when you sign up for the program with ASU
- agree that your academic data and advising information may be shared between BYU-Idaho and ASU.


## Your path to ASU

1. Complete the agreement online [8].
2. Use the worksheet [9] to track your college coursework.

- Refer to ASU's Degree Search [7] to find the Major Map of required courses for your degree program.
- Use the Transfer Credit Guide [10] to ensure you're taking the right courses at BYU-Idaho to transfer to your major.

3. Watch for communications from ASU. Be sure to check your mail and email.
4. Continue your college coursework and make steady academic progress.
5. Connect with your ASU transfer specialist with any questions about transferring to ASU.
6. Apply for admission [6] to ASU at least one semester before you plan to transfer.
7. Enroll in classes at ASU.

## AAS to BAS: Bachelor of Applied Science [11]

If you're pursuing an Associate of Applied Science from BYU-Idaho, then an ASU Bachelor of Applied Science degree might be the perfect fit for you. This program allows you to transfer 60 credit hours from your Associate of Applied Science degree toward a compatible Bachelor of Applied Science at ASU, with guaranteed admission if you have earned at least a 2.5 grade point average from BYU-Idaho.

Identify the AAS degree you are currently earning at BYU-Idaho and determine your preference for your BAS [11]. Soon we will have a sign-up form available. Keep making progress on your AAS degree and check back here in a couple of months to sign up for this program.

If you're interested in earning a BAS degree, please complete this interest form [12].

AAS, Administrative Assistant/Office Manager

AAS, Business Management

AAS, Computer Programming

AAS, Engineering Technology

AAS, Family History Research

AAS, Web Design and Development

BAS, Applied Science BAS, Technical Communication

BAS, Applied Science BAS, Technical Communication

BAS, Software and Computing Systems
BAS, Applied Science
BAS, Technical Communication

BAS, Operations Management
BAS, Applied Science
BAS, Technical Communication

BAS, Technical Communication BAS, Applied Science

BAS, Internet and Web Design
BAS, Technical Communication

## Tools and Resources

ASU provides a number of tools and resources to support transfer student success.

## Degree Search [2]

Explore ASU majors and minors to find a degree program that matches your talents, interests and career goals. Search by keyword, area of interest or campus location.

## Transfer Credit Guide [13]

Learn how credits from BYU-Idaho other colleges and universities that you have attended will transfer to ASU. Search for ASU course equivalencies or request a transfer course evaluation. Search by ASU courses [14] to determine whether your institution offers equivalent courses.

## Career and Professional Development Services [15]

As a participant in the Guaranteed Program for Admission, you can access ASU career services, career advising, career assessment and job search tools. You will need your ASURITE UserID and password to access these resources. Note that some services have fees.

Religious and Spiritual [16]
ASU is home to two LDS Institutes of Religion, one in Tempe [17] and one at the Polytechnic [18] campus. The Tempe Institute is one of the largest in the country.

Visit ASU [19]
Make an appointment to meet an ASU transfer specialist at one of the four campuses in the Phoenix area during Transfer Fridays [20]. And schedule an Experience ASU campus tour [21].

Source URL: https://transfer.asu.edu/BYUldaho

## Links:

[1] https://about.asu.edu/rankings
[2] https://asu.edu/degrees
[3] https://tcg.asu.edu
[4] https://transfer.asu.edu/contact?field_state_value=ID\&tid=3
[5] https://my.asu.edu
[6] https://transfer.asu.edu/apply
[7] https://webapp4.asu.edu/programs/
[8] https://webapp4.asu.edu/pathway/app/gpa?state=ID
[9] https://transfer.asu.edu/sites/default/files/15196_byuidahogpaworksheet_final-fillable.pdf
[10] https://webapp4.asu.edu/transfercreditguide/app/home
[11] https://transfer.asu.edu/aas-bas/brigham-young-university-idaho
[12] https://transfer.asu.edu/BYUldaho/aas-bas-interest
[13] https://asu.edu/transfercreditguide
[14] https://webapp4.asu.edu/transfercreditguide/app/reverselookup
[15] https://eoss.asu.edu/cs/students
[16] https://eoss.asu.edu/religiouslife
[17] https://studentview.lds.org/home.aspx/60045
[18] https://studentview.lds.org/home.aspx/60964
[19] https://visit.asu.edu/
[20] https://transfer.asu.edu/transferfridays
[21] https://visit.asu.edu/schedule-a-tour

## Transfer Credits

ASU, the most innovative university [1] in the country, accepts transfer credits for traditional course work successfully completed at regionally accredited colleges or universities. To learn more about how credits transfer to ASU, please view the Transfer Credit Guide [2]. You can find more information about using the Transfer Credit Guide, sending your college transcripts to ASU and how credits transfer to ASU below.
Have questions? Talk to an ASU Transfer Specialist [3] to get help with the admission process.

## Using ASU's Transfer Credit Guide

ASU's Transfer Credit Guide [2] is a helpful online tool that allows you to search for ASU course equivalencies. Use the Transfer Credit Guide [2] to find out how undergraduate credits you completed at another college or university will transfer to ASU. If you have questions, you can find answers in the transfer credit guide FAQ [4].

If a college or university is not listed in the Transfer Credit Guide, you cannot find a specific undergraduate course or the course is not listed for the term you completed it, it does not mean the course will not transfer to ASU. The course may not have been evaluated yet, and you may request a transfer course evaluation. To request a transfer course evaluation, sign in with your ASURITE UserID [5] and click on Submit Course for Evaluation.

## Learn more about how to use the Transfer Credit Guide [6].

## Contact an ASU Transfer Specialist

If you are planning to transfer to ASU and have questions about the admission process, transfer credits or important application dates, an ASU transfer admission specialist can help you learn more about the university and what you need to know as a transfer student. You can connect with an ASU transfer specialist via email, phone or mail. Contact an ASU transfer specialist now [3].

## Sending Transcripts to ASU

To transfer credits to ASU, official transcripts must be mailed or sent electronically directly to Admission Services by the records office of the issuing institution. ASU does not accept transcripts sent or carried by hand by the applicants themselves or transmitted by fax.

Undergraduate transcripts should be sent to:
Admission Services
Arizona State University
PO Box 870112
Tempe, AZ 85287-0112

Find information about transferring military transcripts to ASU [7].
Learn about earning transfer credits by examination [8].

## How Credits Transfer to ASU

When you transfer to ASU from another college or university, the following general standards for transfer credits apply:

- ASU accepts college-level (not remedial) courses in which you have earned a grade of " C " ( $4.00=$ " A ") or better from regionally accredited colleges and universities.
- A maximum of 64 semester hours of credit will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college, with the exception of some special programs.
- The applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU.
- Acceptable academic credits earned at other institutions that are based on a different unit of credit than the one prescribed by the Arizona Board of Regents are subject to conversion before being transferred to ASU. All ASU students must meet graduation requirements (university, college, major and general studies requirements) to earn a four-year degree.
- The ASU college of your major determines how transfer courses fulfill the degree requirements of your ASU major. You should review the degree requirements of the program into which you intend to transfer and talk with an academic advisor about your transfer credits and how they will apply to your degree program. Search ASU's academic programs and read program requirements [9].
- Grades and honor points that you earned at other colleges and universities are considered for admission, but your ASU cumulative grade point average is based solely upon course work taken at ASU.


## Types of Transfer Credits NOT accepted by ASU:

- courses in which you earned below "C-" as your final grade
- credit awarded by postsecondary schools in the United States that lack candidate status or are not accredited by a regional accrediting association
- credit awarded by postsecondary schools for life experience
- credit awarded by postsecondary schools for courses taken at noncollegiate institutions (e.g., governmental agencies, corporations, industrial firms, etc.)
- credit awarded by postsecondary schools for noncredit courses, workshops and seminars offered by other postsecondary schools as part of continuing education programs
Students wishing to transfer to ASU and who feel they have been unjustly denied credit for transfer courses may appeal to the appropriate committee.


## Get Help with Your Transfer to ASU

Whether you plan to transfer to ASU from a community college [10] or a four-year school [11], ASU offers tools and resources to help you make the most of your earned credits, choose an undergraduate major or minor, apply for financial aid and more. To get started, contact an ASU transfer specialist [3].

## Source URL: https://transfer.asu.edu/transfer-credits

## Links:

[1] http://yourfuture.asu.edu/rankings
[2] https://webapp4.asu.edu/transfercreditguide/app/home
[3] https://transfer.asu.edu/contact
[4] https://transfer.asu.edu/tcg_faqs
[5] https://webapp4.asu.edu/transfercreditguide/app/home?init=false\&nopassive=true
[6] https://transfer.asu.edu/how-to-transfer-credit-guide
[7] https://transfer.asu.edu/credits/military
[8] https://catalog.asu.edu/index.php?q=credit_exam
[9] http://asu.edu/degrees
[10] https://transfer.asu.edu/CommunityColleges
[11] https://transfer.asu.edu/fouryearinstitutions

## Western Undergraduate Exchange

The Western Undergraduate Exchange (WUE) is a program coordinated by the Western Interstate Commission for Higher Education (WICHE). Residents of western states (other than Arizona) may enroll in the ASU WUE program at a tuition rate of 150 percent of Arizona base resident tuition plus all applicable fees for fall and spring terms only.
WUE programs are limited to select majors at the Downtown Phoenix, Polytechnic and West campuses.
View WUE degrees [1]

## 2016-2017 tuition and fees for ASU's WUE programs compared to California in-state and private tuition



## Enrollment Information

- New Undergraduate Student-Eligibility Requirements [2]
- Current Student-Eligibility Requirements [3]
- Maintaining Eligibility [4]


## Contact Information

For General WUE Information visit the Western Undergraduate Exchange [5] website.

## Prospective Student Contact

Admission Services
PO Box 870112, Tempe, AZ 85287-0112
Phone: 480-965-7788
Current students with questions on maintaining eligibility should contact the University Registrar Services at 602-543-8180 or by emailing WUE@asu.edu [6].

Source URL: https://students.asu.edu/admission/wue

## Links:

[1] https://webapp4.asu.edu/programs/t5/programs/Keyword/wue/undergrad/false
[2] https://students.asu.edu/wue/new-student-wue-eligibility-requirements
[3] https://students.asu.edu/wue/current-student-wue-eligibility-requirements
[4] https://students.asu.edu/wue/wue-maintaining-eligibility
[5] http://wiche.edu/wue
[6] mailto:WUE@asu.edu

## Barrett, the Honors College

## Freshman Admission

Barrett, The Honors College, offers academically high-achieving, well-rounded students unique opportunities designed to maximize their time at Arizona State University. The Barrett student body reflects intellectual and social interests covering the entire spectrum of degree programs available at the four metropolitan Phoenix campuses of ASU. (At present, Barrett enrollment is not available to students pursuing a solely online degree or in a major at the ASU Lake Havasu City campus.)

There is no single type of Barrett student and no "typical" honors experience. Instead, students are given great freedom and support to explore, create, and pursue their own distinctive education inside and outside the classroom. For their first two years, Barrett students live in the honors community [1] at the ASU campus of their major and during their first year take the 6 -credit course sequence called The Human Event [2]. ASU graduates with Barrett distinction attend the best graduate schools and have great success finding jobs in their field [3].

Students interested in Barrett must first apply to Arizona State University and then may begin the separate Barrett application. Prospective honors college students should be mindful of deadlines and work to ensure that a complete application [4], not one that is simply submitted, is on file by the appropriate date.

Click each tab below to expand or collapse its contents.

## Eligibility

High school seniors considering enrollment as first-time college students at Arizona State University should apply for Barrett Lower Division consideration. The Lower Division honors curriculum [5] is designed for completion over four academic years at ASU.

Students who took time off after high school, did not attend another college or university, and are entering ASU for the first time should also consider themselves eligible for Lower Division enrollment.

Please visit our Frequently Asked Questions page [6] to find answers to the questions we most often receive from prospective students and their parents.

## Application

An ASURITE ID and password are required to begin a Barrett admissions application. These items are provided by the university once an ASU Application [7] is submitted. The ASU application for fall 2019 enrollment consideration is now available.

Only one Barrett application will be accepted for any given semester. The Barrett application for fall 2019 enrollment consideration will be available on Wednesday, September 5.

Interested in getting started early? Review the Barrett application essay prompts here [8].

## Source URL: https://barretthonors.asu.edu/admissions/freshman

## Links:

[1] https://barretthonors.asu.edu/student-life/housing/residential-college-experience
[2] https://barretthonors.asu.edu/academics/honors-courses-and-contracts/signature-courses/human-event
[3] https://barretthonors.asu.edu/sites/default/files/bhc_graduate_outcomes_website.pdf
[4] https://barretthonors.asu.edu/admissions/frequently-asked-questions\#faq2
[5] https://barretthonors.asu.edu/academics/advising-and-requirements/lower-upper-division-requirements\#tabs-0-
contentmain-1
[6] https://barretthonors.asu.edu/admissions/frequently-asked-questions/
[7] http://students.asu.edu/admission
[8] https://barretthonors.asu.edu/admissions/frequently-asked-questions\#faq6

## Current ASU Admission

Motivated, well-rounded, and high-achieving undergraduate students currently attending Arizona State University should explore the many benefits of enrollment in Barrett, The Honors College.
Joining Barrett expands the opportunities available in the ASU academic major, grows an individual's network of caring faculty and staff, and provides access to the customized honors education that seamlessly integrates into any Bachelor's degree program available at the four metropolitan Phoenix campuses of ASU. After earning their ASU degrees, Barrett graduates attend the best graduate schools and have great success finding jobs in their field [1].

Barrett offers two enrollment options - Lower Division and Upper Division. At present, the Barrett experience is not available to students pursuing a solely online degree or in a major at the ASU Lake Havasu City campus. Prospective honors college students should be mindful of deadlines and work to ensure that a complete [2] application is on file by the appropriate date.

## Lower Division Eligibility

The Lower Division honors curriculum [3] is designed for students with a minimum of three and $1 / 2$ academic years, seven fall/spring semesters, remaining at ASU and Barrett - not including summer sessions.
Lower Division students cannot have more than 18 college credits accumulated at the time they enter Barrett. Credits earned while in high school (for example, advanced placement credits or dual enrollment college coursework) are not counted toward the 18 -credit maximum.

Current ASU students may submit a Barrett Lower Division application during their first semester if they are looking to start in Barrett during the second semester of their first (freshman) year and will then have the requisite three and $1 / 2$ academic years to address the Barrett Lower Division requirements.

## Upper Division Eligibility

The Upper Division honors curriculum [4] is designed for students who have completed approximately half of their undergraduate degree program and are looking to enroll in Barrett during the start of what is traditionally considered their third (junior) year.
To apply for Barrett Upper Division admission, both of the following criteria must be met:

1) ALREADY COMPLETED: A minimum of fifty-four (54) credit hours recognized by Arizona State University.

- At least thirty of the 54 credits must have been earned after high school or home school graduation.
- Courses in progress at the time of Barrett application review will be counted towards the 54 -credit minimum with the expectation that they will be successfully completed.

2) REMAINING AT ASU: At least two academic years - four fall/spring semesters, not including summer sessions - and approximately sixty (60) credit hours at the time of honors enrollment (not at the time of application submission).

## Deadlines

SPRING 2019
Lower Division and Upper Division
Application Deadline: Sunday, December 2, 2018|11:59 PM
Student Notification: Friday, December 28, 2018 | 5 PM
FALL 2019
Upper Division
Priority Action
Application Deadline: Friday, February 1, 2019 | 11:59 PM
Student Notification: Friday, March 1, 2019 | 5 PM
Prospective students are strongly encouraged to have a complete Barrett application on file by the Priority Action deadline.

## Final Consideration

Application Deadline: Sunday, May 12, 2019 | 11:59 PM
Student Notification: Friday, June 7, 2019 | 5 PM

Prospective students with spring 2019 as their first college semester who are interested in fall 2019 Lower Division enrollment, please refer to the information and deadlines posted for freshman students [5].

## Application

An ASURITE ID and password are required to begin a Barrett admissions application.
Only one application will be accepted for any given semester. The Barrett application for spring 2019 or fall 2019 enrollment consideration will be available on Wednesday, September 5.
Interested in getting started early? Review the Barrett application essay prompts here [6].

Source URL: https://barretthonors.asu.edu/admissions/current-asu

## Links:

[1] https://barretthonors.asu.edu/sites/default/files/bhc_graduate_outcomes_website.pdf
[2] https://barretthonors.asu.edu/admissions/frequently-asked-questions\#faq2
[3] https://barretthonors.asu.edu/academics/advising-and-requirements/lower-upper-division-requirements\#tabs-0-contentmain-1
[4] https://barretthonors.asu.edu/academics/advising-and-requirements/lower-upper-division-requirements\#tabs-0-contentmain-2
[5] https://barretthonors.asu.edu/admissions/freshman
[6] https://barretthonors.asu.edu/admissions/frequently-asked-questions\#faq6

## Transfer Admission

Motivated, well-rounded, and high-achieving undergraduate students currently attending other universities and colleges who are considering transferring to Arizona State University should explore the many benefits of enrollment in Barrett, The Honors College.
Joining Barrett expands the opportunities available in the ASU academic major, grows an individual's network of caring faculty and staff, and provides access to the customized honors education that seamlessly integrates into any Bachelor's degree program available at the four metropolitan Phoenix campuses of ASU. After earning their ASU degrees, Barrett graduates attend the best graduate schools and have great success finding jobs in their field [1].

Barrett offers two enrollment options - Lower Division and Upper Division. At present, the Barrett experience is not available to students pursuing a solely online degree or in a major at the ASU Lake Havasu City campus. Prospective honors college students should be mindful of deadlines and work to ensure that a complete application [2] is on file by the appropriate date.

## Lower Division Eligibility

The Lower Division honors curriculum [3] is designed for students spending a minimum of three and 1/2 academic years, seven fall/spring semesters, at ASU and Barrett - not including summer sessions.
Lower Division students cannot have more than 18 college credits accumulated at the time they enter Barrett. Credits earned while in high school (for example, advanced placement credits or dual enrollment college coursework) are not counted toward the 18-credit maximum.

Transfer students may submit a Barrett Lower Division application during the first semester at their current school if they are looking to transfer to ASU and start in Barrett during the second semester of what will be their first (freshman) year and will then have the requisite three and $1 / 2$ academic years to address the Barrett Lower Division requirements.

## Upper Division Eligibility

The Upper Division honors curriculum [4] is designed for students who have completed approximately half of their undergraduate degree program and are looking to enroll in Barrett during the start of what is traditionally considered their third (junior) year. The Upper Division option works particularly well for community college students coming to ASU with an earned Associate's degree.

To apply for Barrett Upper Division admission, both of the following criteria must be met:

1) ALREADY COMPLETED: A minimum of fifty-four (54) credit hours recognized by Arizona State University.

- At least thirty of the 54 credits must have been earned after high school or home school graduation.
- Courses in progress at the time of Barrett application review will be counted towards the 54 -credit minimum with the expectation that they will be successfully completed.

2) REMAINING AT ASU: At least two academic years - four fall/spring semesters, not including summer sessions - and approximately sixty (60) credit hours at the time of honors enrollment (not at the time of application submission.)

## Deadlines

## SPRING 2019

Lower Division and Upper Division
Application Deadline: Sunday, December 2, 2018|11:59 PM
Student Notification: Friday, December 28, 2018 | 5 PM
FALL 2019
Upper Division
Priority Action
Application Deadline: Friday, February 1, 2019 | 11:59 PM
Student Notification: Friday, March 1, 2019 | 5 PM
Prospective students are strongly encouraged to have a complete Barrett application on file by the Priority Action deadline.

## Final Consideration

Application Deadline: Sunday, May 12, 2019| 11:59 PM
Student Notification: Friday, June 7, 2019 | 5 PM
Prospective students with spring 2019 as their first college semester who are interested in fall 2019 Lower Division enrollment, please refer to the information and deadlines posted for freshman students [5].

## Application

An ASURITE ID and password are required to begin a Barrett admissions application. These items are provided by the university once an ASU Application [6] is submitted. The ASU application for spring 2019 or fall 2019 enrollment consideration is now available.

Only one Barrett application will be accepted for any given semester. The application for spring 2019 or fall 2019 enrollment consideration will be available on Wednesday, September 5.
Interested in getting started early? Review the Barrett application essay prompts here [7].

Source URL: https://barretthonors.asu.edu/admissions/transfer

## Links:

[1] https://barretthonors.asu.edu/sites/default/files/bhc_graduate_outcomes_website.pdf
[2] https://barretthonors.asu.edu/admissions/frequently-asked-questions\#faq2
[3] https://barretthonors.asu.edu/academics/advising-and-requirements/lower-upper-division-requirements\#tabs-0-contentmain-1
[4] https://barretthonors.asu.edu/academics/advising-and-requirements/lower-upper-division-requirements\#tabs-0-contentmain-2
[5] https://barretthonors.asu.edu/admissions/freshmen-students
[6] http://students.asu.edu/admission
[7] https://barretthonors.asu.edu/admissions/frequently-asked-questions\#faq6

## National Scholar Admission

High school seniors who have been named a National Merit Finalist or National Hispanic Scholar receive unique merit scholarships [1] at Arizona State University. Though these awards are granted through the ASU Office of Financial Aid and Scholarship Services (not through Barrett), there are currently more than 700 National Scholars who have chosen to attend ASU and also pursue the personalized experience of Barrett, The Honors College. Graduates of Barrett continue onto some of the best medical and dental schools, law schools, graduate programs, and employment opportunities [2] following the completion of their degrees.

Prospective students should apply to Barrett, The Honors College, once they have submitted an application to Arizona State University [3] and received their ASURITE ID and password. Beginning in early October, National Merit SemiFinalists, National Merit Finalists, and National Hispanic Scholars will receive an expedited review of their Barrett application, receiving a decision within 2-3 weeks of their application being complete [4]. We encourage National Scholars to apply to Barrett as soon as possible.
National Scholars at ASU are eligible to apply for the Grady and Katherine Gammage Scholarship. Please click here [5] for additional information.

## National Merit

The National Merit Scholarship Corporation (NMSC [6]) is an independent, not-for-profit organization. The NMSC conducts the annual National Merit Scholarship Program [7]. High school seniors who are named National Merit Finalists in this program receive an excellent merit scholarship [8] at Arizona State University in recognition of their outstanding scholastic achievements. Large numbers of National Merit Finalists choose to attend Barrett, The Honors College at Arizona State University. Scroll down this page to explore the special Student Experience Day visit opportunity made available to National Scholars.
National Merit Semi-Finalists who are admitted to ASU with an official SAT or ACT score on file with the university will receive a placeholder New American University Scholar award (such as a President's, Provost's, or Dean's scholarship). This placeholder award will be upgraded to the New American University Scholar - National Merit award once the following conditions have been met:

- The student has moved from National Merit Semi-Finalist status to National Merit Finalist status with the NMSC.
- The student lists Arizona State University as his or her first choice school with the NMSC by the NMSC's posted deadline [9].
- The student has been admitted to Arizona State University.

There is no additional application process for this award, and renewal criteria can be found at https://students.asu.edu/scholarships/renewal [10]. To receive the research and travel stipends associated with the New American University Scholar - National Merit award, the student must also be admitted to and enroll in Barrett, The Honors College at Arizona State University.

## National Hispanic

The College Board, a mission-driven not-for-profit organization, identifies academically outstanding high school students through their National Hispanic Recognition Program (NHRP [11]). The students who are named National Hispanic Scholars through the NHRP receive an excellent merit scholarship [1] at Arizona State University in recognition of their scholastic achievements. Large numbers of National Hispanic Scholars choose to attend Barrett, The Honors College at Arizona State University. Scroll down this page to explore the special Student Experience Day visit opportunity made available to National Scholars.

National Hispanic Scholars who are admitted to ASU will receive the New American University Scholar - National Scholar award. If a student has been offered any other New American University Scholar award (such as a President's, Provost's, Dean's, or University scholarship) before ASU received their National Hispanic Scholar designation, the New American University Scholar - National Scholar award will replace it.
There is no additional application process for this award, and renewal criteria can be found at https://students.asu.edu/scholarships/renewal [10]. To receive the research and travel stipends associated with the New American University Scholar - National Scholar award, the student must also be admitted to and enroll in Barrett, The Honors College at Arizona State University.

## Additional Scholarship Opportunities

National Scholars can apply for additional scholarships and financial aid to help cover the remaining cost of attendance. This list is meant to provide suggestions of additional funding options and is by no means comprehensive. Students are encouraged to apply for scholarships as early as possible since many ASU and Barrett scholarships close in February.

- ASU's scholarship portal [12]: Specific criteria can be set to narrow the search if desired. This is a dynamic list, so keep an eye on it for additions throughout the year.
- Barrett scholarships [13]: Most of these scholarships close on February 1 and require applicants to be admitted to Barrett by February 22.
- Grady and Kathryn Gammage Memorial Scholarship [13]: This scholarship requires applicants to be National Merit Semi-Finalists, National Merit Finalists, or National Hispanic Scholars and closes on February 1.
- Departmental scholarships [14]: Many colleges and departments within ASU offer scholarships for specific majors.
- Complete the FAFSA [15]: The FAFSA becomes available on October 1 of each year. Some merit- or needbased scholarships require a current FAFSA to be on file with ASU. It is a good idea to complete this each year, even if you think your family's income may not result in aid.


## Student Experience Day Visit Program

National Scholars are encouraged to enjoy a personalized visit by scheduling a Student Experience Day. Barrett staff will create a special visit just for you, which can include:

- Meeting with a Barrett dean
- Meeting with a Barrett enrollment services staff member
- Taking a tour of any of the four ASU campuses, as well as a tour of the Barrett facilities
- Learning about The Human Event class (freshman honors seminar)
- Meeting with a representative of your intended major
- Having lunch with current Barrett students and other visitors

An overnight stay with a Barrett student ambassador is also encouraged to get the full Barrett living experience. Student Experience Day visits require at least two weeks prior notification via formal registration with a recruiter.

For more information about scheduling a Student Experience Day visit, please contact the Barrett recruiter at the ASU campus of your intended major. (If you are unsure of the campus of your intended major, please conduct an undergraduate degree search here [16].)
Barrett Downtown Barrett Polytechnic Barrett Tempe Barrett West

Emily Hsu
Emily.Hsu@asu.edu [17]
602-496-0224

Rebecca Folk
Rebecca.Folk@asu.edu [18]
480-727-1260

Rita McGlynn
Rita.McGlynn@asu.edu [19] 480-727-4172

Susan Estby Susan.Estby@asu.edu [20]
602-543-6632

## Barrett Application

Before starting a Barrett application, national scholars must first submit an ASU application [3]. Upon submitting an ASU application, students can begin a Barrett application via the link below. Students do not need to wait for ASU admission to start their Barrett application.

National scholars are not reviewed via the standard deadline schedule. Instead, their Barrett applications are considered on a rolling basis, and national scholars are encouraged to have their materials submitted as early as possible. Decisions are generally released within 2-3 weeks from when the Barrett application is complete [21].

Source URL: https://barretthonors.asu.edu/admissions/national-scholar

## Links:

[1] http://students.asu.edu/nationalscholars
[2] https://barretthonors.asu.edu/sites/default/files/bhc_graduate_outcomes_website.pdf
[3] https://webapp4.asu.edu/uga_admissionsapp/
[4] https://barretthonors.asu.edu/admissions/frequently-asked-questions\#faq2
[5] https://scholarships.asu.edu/scholarship/1652
[6] https://www.nationalmerit.org/s/1758/interior.aspx?sid=1758\&gid=2\&pgid=395
[7] https://www.nationalmerit.org/s/1758/interior.aspx?sid=1758\&gid=2\&pgid=424
[8] http://students.asu.edu/nationalscholars
[9] https://nationalmerit.imodules.com/s/1758/images/gid2/editor_documents/merit_r_i_leaflet.pdf?no_cookie=1
[10] https://students.asu.edu/scholarships/renewal
[11] https://collegereadiness.collegeboard.org/psat-nmsqt-psat-10/scholarships-and-recognition/national-hispanic-recognition-program
[12] https://scholarships.asu.edu/
[13] https://barretthonors.asu.edu/academics/scholarships-and-fellowships/barrett-scholarships
[14] https://scholarships.asu.edu/colleges
[15] https://fafsa.ed.gov/
[16] https://students.asu.edu/programs
[17] mailto:Emily.Hsu@asu.edu
[18] mailto:Rebecca.Folk@asu.edu
[19] mailto:Rita.McGlynn@asu.edu
[20] mailto:Susan.Estby@asu.edu
[21] https://barretthonors.asu.edu/admissions/frequently-asked-questions/\#faq1

## International Admission

Barrett, The Honors College, offers academically high-achieving and well-rounded students unique opportunities designed to maximize their time at Arizona State University. The Barrett student body reflects intellectual and social interests covering the entire spectrum of degree programs available at the four metropolitan Phoenix campuses of ASU. (At present, Barrett enrollment is not available to students pursuing a solely online degree or in a major at the ASU Lake Havasu City campus.) Barrett students go on to attend the best graduate schools and have great success finding excellent jobs [1] in their field.

For ASU admission purposes, international students are defined as "students who wish to pursue undergraduate degrees at ASU but are not citizens or permanent residents of the United States of America, nor are they refugees in the USA."
International students already enrolled in a degree program at ASU who are interested in joining Barrett should review the information here [2]. International students who are currently studying at another college or university who are considering transferring to ASU and are interested in joining Barrett should review the information here [3].

The areas below are for international students currently enrolled in high school, either in the United States or abroad, who are looking to enroll at ASU as new freshmen in the fall of 2019.

## Benefits

International students receive myriad benefits by joining Barrett, The Honors College at ASU. These include:

- Priority registration for classes and extended library privileges
- An honors academic advisor, whose job is to assist international students in navigating their honors college requirements
- Housing within a unique, four-year residential college community of other honors students
- Honors-only research, internship, and employment opportunities
- Tutoring services offered through Barrett that are designed to help international students excel in their honors coursework
- Social and academic events, such as lectures from leading researchers, only available to honors students


## Curriculum

There is no single type of Barrett student and no "typical" honors experience. Instead, students are given great freedom and support to explore, create, and pursue their own distinctive education inside and outside the classroom.

Most ASU degree programs are 120 credit hours. Barrett students complete 36 of the 120 credit hours to satisfy their honors requirements. All Barrett freshmen during their first year take the 6-credit course sequence called The Human Event [4]. During their senior year, honors students complete a thesis/creative project [5].
Barrett students will complete the remainder of the 36 honors credits in a variety of ways, through some combination of special honors sections of classes already needed for their ASU degree, honors contracts, which involve extra projects in standard ASU courses that convert them into honors classes, internships, honors-only study abroad programs, and by engaging in research or independent study.

## Test Scores

Students whose native language is not English must submit the results of an English language proficiency examination to ASU Admissions Services in order to be considered for Barrett admission.

The Test of English as a Foreign Language (TOEFL), the International English Language Testing System (IELTS), or the Pearson Test of English (PTE) satisfy this requirement, and Barrett will obtain these scores from ASU for the processing of an international student's honors college application.

## Application

Students interested in Barrett first apply to Arizona State University [6]. An ASURITE ID and password are required to begin the separate and free Barrett application. These items are provided by the university shortly after the ASU application is submitted.

Barrett reserves the right to request additional information following the submission of an application. The Barrett international admissions committee reviews complete honors college applications on a rolling basis, with decisions generally released 3-4 weeks after a file becomes complete with all necessary materials.

A limited number of students are admitted to Barrett each year; early application is strongly encouraged.

Source URL: https://barretthonors.asu.edu/admissions/international

## Links:

[1] https://barretthonors.asu.edu/sites/default/files/bhc_graduate_outcomes_website.pdf
[2] https://barretthonors.asu.edu/admissions/current-asu
[3] https://barretthonors.asu.edu/admissions/transfer
[4] https://barretthonors.asu.edu/academics/honors-courses-and-contracts/signature-courses/human-event
[5] https://barretthonors.asu.edu/academics/thesis-and-creative-project
[6] https://students.asu.edu/international/future/undergrad

## Nondegree Student Admission

## Understanding Nondegree Admission

Some individuals may be interested in studying in a nondegree status, either through pre-college summer programs or for their own personal learning experience. A nondegree student is one who has not attended ASU as a degree-seeking student, who has not earned a bachelor's degree, who is not attending full time, and who is not, at this time, applying to a degree program.

- Once admitted to a degree program, a student is not permitted to register in a nondegree status.
- Nondegree students may enroll in eight credit hours each fall or spring semester, seven semester hours for each 5 -week summer session and nine semester hours for the 8 -week summer session.
- Nondegree students may apply up to 15 hours taken in nondegree status to a degree program if you choose to pursue an undergraduate degree in the future.
- Nondegree students are not eligible for financial aid.
- Nondegree students may not be eligible for academic advising.


## Nondegree admission requirements

To be admitted to ASU as a nondegree student, an applicant must be a high school graduate.
Students currently enrolled in high school and persons under the age of 18 may be admitted as nondegree students by submitting an official high school transcript and a letter of approval from a high school counselor or principal.

Applicants must have a 3.0 cumulative GPA in Arizona Board of Regents competency courses [1] to be considered for admission.

Apply now. [2]

## Priority application deadlines

You must submit the Application for Undergraduate Admission, along with the application fee, by the deadline specified for each semester. In order to expedite the evaluation of your application, also submit official transcripts, test scores and supporting credentials immediately.

Fall semester: May 1
Spring semester: December 1
Summer session: May 1
Nondegree applications received after the priority date for each semester will be considered on a space-available basis. Space is limited in some courses and degree-seeking students have priority registration over nondegree-seeking students.

## Application procedures

1. Complete the Undergraduate Admission Application [2].
2. Submit the nonrefundable application fee:

- Arizona residents - \$50.
- Non-residents and online - \$65.

3. If needed, have your transcripts sent directly to ASU.

ASU will review your application for admission once all materials are on file. To see if your file is complete, sign in to My ASU [3] using your ASURITE ID provided to you after you submitted your application.

Mailing Address (All materials, all campuses)
Admission Services
Arizona State University
PO Box 870112
Tempe, AZ 85287-0112

Undergraduate Admissions Contact Information and Office Locations [4]

Source URL: https://students.asu.edu/admission/nondegree

## Links:

[1] http://students.asu.edu/admission/competencies
[2] http://www.asu.edu/ugapp
[3] https://my.asu.edu
[4] https://students.asu.edu/contact/admissions

## Undergraduate Readmission

## Quick Re-entry

If you are an undergraduate degree-seeking student who previously attended ASU but have not been enrolled at ASU for one or two consecutive fall or spring semesters you are eligible to return through "Quick Re-entry." You do not need to submit a new application or application fee. You may sign in to My ASU [1] and register for classes. Note that you may have a hold or Priority Tasks that you need to complete before you are able to register for classes. International students are still responsible for all SEVIS requirements and should check with the International Students and Scholars Office [2] at ASU.
NOTE: you must submit official transcript(s) from any institution(s) you attended during your absence from ASU. Official transcripts must be mailed or sent electronically directly to Admission Services by the records office of the issuing institution(s). ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax. See Mailing Address.

## Readmission Requirements

If you are not eligible for "Quick Re-entry" (i.e., because you have not been enrolled at ASU for three or more semesters, completed your academic program or were academically disqualified), you must apply for readmission [3] and submit applicable fees. An applicant for readmission must have an ASU GPA of 2.0 or higher, depending on the ASU school or college [4]. Students who do not meet this GPA requirement may appeal. In these cases, the completed application for readmission may be subject to a due date that is earlier than the application deadline.
NOTE: you must submit official transcript(s) from any institution(s) you attended during your absence from ASU. Official transcripts must be mailed directly to Admission Services by the records office of the issuing institution(s). ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax. See Mailing Address. Read more about transferring college credit to ASU [5].

## Priority Application Deadlines

## Fall Semester

The priority readmission application deadline for fall semester is June 1. Readmission applications received after June 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

## Spring Semester

The priority readmission application deadline for spring semester is December 1. Readmission applications received after December 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

## Summer Semester

The priority readmission application deadline is May 1.

## What needs to be submitted by the deadline?

You must submit the Application for Undergraduate Admission, along with the application fee, by the deadline specified for each semester. In order to expedite the evaluation of your application, also submit official transcripts, test scores and supporting credentials immediately.
I was previously admitted to ASU but did not attend. Am I a readmission student?
If you have previously been admitted to ASU but did not attend, you will be considered a freshman student [6] or a transfer student [7].

## Application Procedures

1. Complete the Undergraduate Admission Application [3]. ASU prefers that you apply online.
2. Submit the nonrefundable application fee:

- Arizona Residents - $\$ 50$
- Non-residents - $\$ 70$
- International $\$ 85$

If applying to an Online degree program a nonrefundable application fee of $\$ 70$ will be charged regardless of residency classification.
3. Request that an official transcript be sent directly from your school(s) to Admission Services. Upon completion of the semester, request that a final transcript be sent directly to ASU to determine final admission status. A student who does not meet readmission requirements for his/her selected major must submit complete transcripts before an admissions decision is made. Students need only submit transcripts from institutions other than ASU. NOTE: Receipt of your final transcript impacts financial aid disbursement and eligibility to register for future classes.
4. All applicants on F1 or J1 visas must provide a Financial Guarantee to show evidence of sufficient funds available for their studies before the application can be processed. In addition, US Citizenship and Immigration Services (USCIS) requires ASU to obtain additional information prior to processing your visa application. You must go to My ASU [1] and login, and then update address information showing Local and SEVIS addresses (list current US address as Local Address; add home country address as SEVIS Address). Please note that if you are readmitted, you must still meet all deadlines associated with the issuance of an I-20 to attend ASU. These deadlines are dependent upon your current location. Contact International Admission Services at asuinternational@asu.edu [8] or 480-965-2437.

## Mailing Address (Transcripts and other materials, all campuses)

Admission Services
Arizona State University
PO Box 870112
Tempe, AZ 85287-0112

## Admission before Receipt of Final Transcript

Applicants enrolled in other colleges and universities may be considered for readmission on the basis of meeting all readmission requirements, except for a final transcript of work in progress. This final transcript must be sent to Admission Services directly from the issuing institution immediately after the work in progress has been completed. Transcripts carried by hand are not accepted.
Admission is official only after the final transcript has been received showing that the applicant has met the university readmission requirements. In the event the applicant does not qualify or has falsified application documents, readmission and registration are canceled, and any registration fees paid are returned according to university refund policies.

## Veterans Exception

By Arizona statute, no failing grades received by a veteran at an Arizona university or community college before military service may be considered when determining admissibility. This exception applies only to veterans who

1. are honorably discharged;
2. have served in the armed forces of the United States for a minimum of two years; and
3. have previously enrolled at a university or community college in Arizona.

Military service records must be submitted, including form DD 214.

## Academic Renewal

Academic renewal is a university policy administered to recalculate the cumulative ASU GPA of an undergraduate student who:

1. Is pursuing his/her first undergraduate degree and has not previously received an academic renewal; and
2. Has a cumulative ASU GPA below 2.00 (individual colleges may elect to consider applications for students whose GPA is a 2.00 or higher); and
3. Is readmitted to a degree program after an absence of at least five continuous calendar years (including summer sessions).
Courses (including transfer credits) completed before the five-year absence with a grade "C" (2.00) or higher was earned are treated in the same manner as if all the credits were transfer credits, up to a maximum of 60 credit hours.

The cumulative GPA is based only on credits earned subsequent to the student's reentry. Graduation requirements for resident credit hours and GPA must be fulfilled after the academic renewal. Graduation requirements for academic recognition (resident credit hours and GPA) must also be fulfilled after the academic renewal.

Courses completed before and after the academic renewal remain on the transcript and may be considered when students apply for undergraduate professional or graduate programs.
A request for academic renewal follows this procedure:

1. Students interested in academic renewal must fill out the Application for Academic Renewal and submit the form to the Dean's Office in the college of your major.
2. The Application for Academic Renewal may be submitted immediately upon readmission but must be submitted no later than the start of the third semester after readmission.
3. The Dean's Office specifies in advance a minimum of 12 semester hours required for completion.
4. When the approved credits are completed with a cumulative GPA of 2.50 or higher, and no grade lower than " C " (2.00) in each course, the Dean's Office will forward the Application for Academic Renewal to the University Registrar's Office for processing.

Only readmission students working toward their first undergraduate degree are eligible to apply for academic renewal, which may be effected only once during a student's academic career.
Academic renewal is transferable among colleges.
All students with a cumulative ASU GPA below 2.00 and have been absent from ASU 5 consecutive calendar years or more are eligible to petition for academic renewal. Individual colleges may elect to entertain petitions for academic renewal from students with ASU GPAs above 2.00. College standards committees have final authorization on academic renewal petitions.

## Undergraduate Readmissions Contact Information and Office Locations

(for all campuses)
Phone: 480-965-7788
Fax: 480-965-3610
Location: Student Services Building, Room 112, Tempe campus (map [9])

Source URL: https://students.asu.edu/readmission

## Links:

[1] http://my.asu.edu
[2] https://students.asu.edu/international/issc
[3] https://webapp4.asu.edu/uga_admissionsapp/
[4] https://catalog.asu.edu/policies/college
[5] http://transfer.asu.edu/credits
[6] https://students.asu.edu/freshman/requirements
[7] http://transfer.asu.edu/apply
[8] mailto:asuinternational@asu.edu?subject=Readmission\%20Question
[9] http://www.asu.edu/map/interactive/?campus=tempe\&building=SSV

## Leave of Absence (Undergraduate)

The Undergraduate Leave of Absence (LOA) policy assists and encourages undergraduate degree-seeking students to return and graduate after an absence of more than two semesters from ASU.
Note: If you are an undergraduate degree-seeking student who previously attended ASU but have not been enrolled at ASU for one or two consecutive fall or spring semesters you may be eligible to return to ASU through Quick Reentry [1]. Students are not required to process an LOA for absences of one or two consecutive fall or spring semesters.

## Eligibility Requirements

To be eligible for an Undergraduate LOA, students must be eligible to register for classes and meet the following criteria:

1. Be a degree-seeking undergraduate student.
2. Be registered during the semester immediately prior to the beginning of the LOA.

- Students who were admitted as new first semester freshmen or transfer students but did not attend will not be eligible for an LOA. Instead, they should contact the Undergraduate Admissions office.
- Students who were readmitted but did not attend will not be eligible for an LOA. Instead, they should contact the Undergraduate Admissions office.
- Students who are participating in an ASU-sponsored study abroad program need not apply for an LOA; however, students who are participating in a non-ASU-sponsored study abroad program should take advantage of the LOA policy, if eligible.

3. Be in academic good standing, on probation, or on continuing probation with their college.
4. Have no hold (e.g., disciplinary, financial, testing, etc.) which would restrict registration. Note: Students with financial holds may be given consideration for an LOA if authorized by the Collections Office [2].
5. Have submitted any outstanding high school and/or transfer transcripts, if prior admission/readmission and continued enrollment was contingent upon receipt of those transcripts.
Undergraduate students considering taking an absence from ASU should carefully review the policies and procedures for submitting an Undergraduate Leave of Absence Request [3].

## Leave of Absence FAQ's

Information for students returning from a Leave of Absence.

## Q. My LOA is about to expire; what do I do now?

A. View your enrollment appointment as well as any current registration holds and "To Do" list items on My ASU [4]. Schedule an appointment with your advisor to discuss course selection. Submit transcripts for coursework you completed during your LOA.

## Q. How will the university inform me regarding upcoming enrollment, deadlines and holds that may occur while on I'm on an LOA?

A. We recommend checking your My ASU [4] page often during your LOA so that you may stay informed about enrollment appointments, financial aid and tuition deadlines and advising holds that may occur prior to the end of your leave.

## Q. If I qualify for an LOA, does this defer my scholarship?

A. No. In order to request a deferment of your scholarship, you will need to complete the Scholarship Deferment Application [5] found on the
Scholarship website. To have your scholarship reinstated after the deferment period, you will need to complete the Scholarship Reinstatement Request [6] form.

## Q. Can I come back earlier than what my original LOA was processed for?

A. Yes. If you wish to return to ASU prior to the end of your scheduled leave, you will need to contact University Registrar Services at 480-965-3124 so that your return may be updated immediately to maximize enrollment opportunities and meet any college, financial aid, etc. deadlines.
Q. Can I request an extension of my LOA?
A. Yes. If you are unable to return to ASU by the agreed term and have not reached the cumulative total of two years (four major terms) on leave, then you may petition for an extension through the college of your major. To extend your LOA, please complete the LOA form [3] and meet with your college for approval. Once the college signs the LOA extension
form, return the form to any University Registrar Services location [7] for processing. If an extension is not granted, you will need to follow readmission procedures before you will be allowed to return to ASU.
Q. How will the university inform me regarding upcoming enrollment, deadlines and holds that may occur while on leave of absence?
A. We recommend checking your My ASU [4] page often during your leave of absence so that you may stay informed about enrollment appointments, financial aid and tuition deadlines and advising holds that may occur prior to the end of your leave.

## Q. Am I able to view my unofficial transcripts?

A. Yes. Student can view their unofficial transcripts through their My ASU [4] page.
Q. Will my loans be deferred while on an LOA?
A. No. In order to defer loans, students must be currently enrolled. While the LOA keeps student records up to date, it does not allow for deferment. Please contact your lender for more information.

## Q. If I qualify for an LOA, does this defer my scholarship?

A. No. In order to request a deferment of your scholarship, you will need to complete the Scholarship Deferment Application [5] found on the scholarship website. To have your scholarship reinstated after the deferment period, you will need to complete the Scholarship Reinstatement Request [6] form.
Q. Can I attend another institution while on an LOA?
A. Yes. Once all coursework is complete and graded, please request official transcripts to be sent directly from the transfer institution to ASU at the following address:

Arizona State University
PO Box 870112
Tempe, AZ 85287-0112

## Registration and Tuition Payment Guide [8]

## Enrollment Request Forms [9]

Contact University Registrar Services [7]

Source URL: https://students.asu.edu/leave-absence

## Links:

[1] https://students.asu.edu/readmission
[2] https://students.asu.edu/tuitionandbillingcontact
[3] https://students.asu.edu/forms/leave-absence-undergraduate
[4] http://my.asu.edu/
[5] https://students.asu.edu/forms/scholarship-deferment-application
[6] https://students.asu.edu/forms/scholarship-reinstatement
[7] https://students.asu.edu/contact/office-university-registrar
[8] https://students.asu.edu/registration-and-tuition-payment-guide
[9] https://students.asu.edu/forms/registration

## Attendance

The instructor has full authority to decide whether class attendance is required.

Source URL: https://catalog.asu.edu/attendance

## Arizona General Education Curriculum (AGEC)

The Arizona public community colleges and universities have agreed upon a common structure for a general education core. This curriculum provides students attending any Arizona public community college with the opportunity to build a general education program that is transferable to any other state institution without loss of credit. This common agreement is called the Arizona General Education Curriculum (AGEC).
The AGEC is composed of 35-37 credit hours of lower-division general education coursework in which a student may prepare for transfer.

The AGEC has three forms: AGEC-A, AGEC-B and AGEC-S. Refer to https://aztransfer.com/generaleducation/ [1] for a detailed description of each AGEC.

Community colleges are responsible for certifying the date of completion of the AGEC on the official institutional transcripts.
Completion of the appropriate AGEC will fulfill university lower-division general education requirements of the baccalaureate degree with which the AGEC articulates. Students completing the AGEC will still be required to fulfill lowerdivision program requirements and prerequisites within their college and major and minor area of study. To complete a degree program most efficiently, students should select courses that concurrently satisfy AGEC and major requirements.
Completion of any AGEC from an Arizona community college guarantees admission to the university provided that a 2.50 cumulative GPA or higher has been achieved. AGEC completion, however, does not guarantee admission to any specific university program. Many majors (e.g., architecture, engineering, business, the fine and creative arts or health professions) have significant prerequisites or program requirements that must be completed before a student may be admitted to upper-division coursework. Community college students who are undecided about which of the universities they plan to attend or what program of study they intend to pursue are advised to explore educational options while they complete the AGEC. In all cases, students have the responsibility for selecting general education coursework that is relevant to the requirements of their intended major and degree.
Students who complete both the AGEC and an approved associate's degree will be assigned junior class standing by the state universities. Junior class standing is based on the number of credit hours a student has earned and does not necessarily indicate the remaining number of credit hours needed to complete degree requirements. Course prerequisites, major requirements and upper-division requirements continue to be specified by each university. Appropriate sequencing of courses and timely completion of course prerequisites are essential to ensure efficient progress toward a baccalaureate degree. Students who have identified the university they plan to attend or a major area of study are advised to fulfill requirements and prerequisites identified by these programs through ASU's transfer pathways [2]. The AGEC does not replace articulation agreements developed to enhance the transfer process between specific institutions. Nor does the AGEC eliminate the possibility that students who have identified the university they plan to attend and a major area of study will follow transfer guides provided by the state universities.

Source URL: https://catalog.asu.edu/agec

## Links:

[1] https://aztransfer.com/generaleducation/
[2] https://transfer.asu.edu/communitycollege/AZ

## Course Load and Concurrent Enrollment

## Course

A minimum full-time course load for an undergraduate student is 12 credit hours. The maximum course load for which a student may register is 18 credit hours (with the exception of a 19 -hour maximum for students enrolled in the Ira A. Fulton Schools of Engineering), with a maximum of nine credit hours in each A or B session. A student wishing to register for more than the maximum must petition the standards committee of the college in which the student is enrolled and must obtain an approved overload before registration.

## Summer Session Credit Hour Load

The summer session credit hour load limit is seven credit hours for each six-week session and nine credit hours for the eight-week session, and the load limit may not exceed a total of 14 credit hours for any combination of sessions.

## Graduate Credits Earned by Undergraduate Students

ASU undergraduate students who have achieved senior status (cannot be postbaccalaureate) with a cumulative GPA of 3.00 or higher may count up to 12 credit hours of graduate-level coursework toward their graduate degree at ASU (preadmission credit hours). Only graduate courses with a grade of "B" (3.00) or higher may be included on a graduate plan of study. Preadmission graduate courses cannot be used to meet any baccalaureate graduation requirements. Before registering for these courses, students are advised to check with their academic advisor to ensure the correct internal academic unit or college process is followed. Permission to take a preadmission graduate course does not guarantee admission to a graduate degree program or that the course may be used toward graduate degree requirements.

## Use of Graduate Course Credit by Undergraduates

Graduate course credit earned by an undergraduate student that is used to fulfill requirements for an undergraduate degree program cannot also be used in a graduate degree program unless the student is enrolled in an approved accelerated program. Students must contact their advisor before enrolling in a graduate course they wish to use toward a future graduate program at ASU.

## Concurrent Enrollment

Provided that the other institution's regulations concerning enrollment, graduation requirements and transfer of credits are not violated, a student may enroll in classes at other institutions or in independent learning courses while enrolled at ASU. However, the student is urged to seek advising before concurrent enrollment to assure orderly progress toward a degree. If total credits exceed the maximum course load, prior permission must be granted by the college standards committee.

## Enrollment Verification Guidelines

The registrar is responsible for verifying enrollment, according to general guidelines; see enrollment verification [1].

Source URL: https://catalog.asu.edu/course_load

## Links:

[1] https://students.asu.edu/enrollment-verification

## Credit by Examination

Students may receive credit for an ASU course by taking an examination in place of the actual course. Some exams can be taken prior to admission to ASU. Information is provided below for each type of exam, the courses that are equivalent and other conditions that may apply to credit being awarded.

- A student may earn no more than 60 hours of credit by examination for any or all programs, including ASU comprehensive and proficiency exams.
- Credit will not be awarded for any course in which the student has been given credit from any educational institution.
- Credit will not be granted for a course taken at an educational institution after credit by examination has been awarded.
Exception: Students who take the advanced placement exams may choose either to have the credit earned by advanced placement kept in their cumulative university hours, or to complete the ASU course and have the credit and grade instead, regardless of in which order the test or course are taken. (See the advanced placement section, below, for additional details on the exam and its equivalent scores.)
- Credit may not be received for a lower-level or prerequisite course when credit has already been received in a higher-level course within the same field.
- Only credit earned by comprehensive examination will count toward the resident credit requirement for graduation.
- Credit by exam is awarded based on the date the exam was taken. Students who take the exam during the current catalog year (August 2018-July 2019) will earn credit based on the credit equivalency found in the current catalog. If the test was taken in a prior academic year, the student should refer to the catalog for that year or search the Transfer Credit Guide [2] for more information.
*Credit awarded as department elective will display as DEC. A DEC course is not directly equivalent to a current ASU course but could be used for graduation requirements. Students should see their advisor to determine how these courses may apply to their major.
College-level Examination Program (CLEP) [3] can be taken before or during enrollment at ASU.
Advanced Placement (AP) [4] is taken during secondary school or before enrollment at ASU.
DANTES or DSST (Defense Activity for Nontraditional Education Support Subject Standardized Test) [5] is taken by military or approved government personnel before or during enrollment at ASU.
International Baccalaureate (IB) diploma/certificate [6] is earned by students of an International Baccalaureate®-approved school before enrollment at ASU.
Cambridge International Exam [7] is taken by students who have completed a Cambridge course in their secondary school.
Comprehensive examinations [8] can be taken by current ASU students.
Proficiency examinations [9] can be taken by current ASU students.
For information about placement testing for mathematics and English classes prior to orientation, please refer to the placement and testing requirements [10] in the ASU Catalog.


## College-Level Examination Program (CLEP)

Students who have taken a College-Level Examination of the College Entrance Examination Board may receive university credit. The table of CLEP credit applies to all students enrolled in the university for the first time in August 1975 and any student enrolling thereafter. CLEP examination credit is not given where it duplicates credit previously earned by the student at the university or accepted by the university for work done elsewhere. All examinations are given monthly by University Testing and Scanning Services [11].

The General Studies requirement in natural science (SQ and SG) and literacy and critical inquiry (L) are not satisfied by CLEP. There is no limit to the number of CLEP credits that can be used to fulfill the other parts of the General Studies requirement. A student who has received ASU credit for a course due to Special Programs credit may not duplicate the credit by enrolling in the same class for credit at ASU or transferring it to another institution.

## Subject Examinations

To obtain credit or placement for all subject exams except English, History, French, German, and Spanish, a student must receive a score of 50 (computer-based testing [CBT] scale) or higher. To obtain credit for College Composition, a student must receive a standard score of 610 (1978 scale), 500 ( 1986 scale), or 50 (CBT scale). For test scores for French, German, History and Spanish, see the CLEP credit table, below.

All equivalency is subject to future review and possible catalog change. Students should refer to the Transfer Credit Guide for equivalencies of exams taken outside of the current catalog year. For more information on CLEP testing, students should contact University Testing and Scanning Services [11] at 480-965-7146, or visit 1130 E. University Dr., Suite 204, Tempe, AZ.

| Examination | Credit <br> Hours | Equivalency |
| :---: | :---: | :---: |
| American Government | 3 | POS 110 |
| American Literature | 3 | Elective credit |
| Analyzing and Interpreting Literature | 3 | Elective credit |
| Biology | 8 | BIO 181, 182 |
| Calculus | 3 | MAT 265 |
|  | 4 | MAT 270 |
| Chemistry | 4 | CHM 113 (Students must score 50 or higher.) |
| College Algebra | 3 | MAT 117 |
| College Composition | 3 | Placement into ENG 105 and Elective credit (3). Transfer students who have credit for ENG 102 and who completed the exam (with a score of 50 or higher) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam. |
| College Composition - Modular | 0 | No Credit |
| College Mathematics | 3 | MAT 142 (Students must score 50 or higher.) |
| English Literature | 3 | Elective credit |
| Financial Accounting | 6 | Elective credit |
| French Language | 4 | FRE 101 (Students must score 50-54.) |
|  | 8 | FRE 101, 102 (Students must score 55-61.) |
|  | 12 | FRE 101, 102, 201 (Students must score 62-65.) |
|  | 16 | FRE 101, 102, 201, 202 (Students must score 66 or higher.) |
| German Language | 4 | GER 101 (Students must score 39-45.) |
|  | 8 | GER 101, 102 (Students must score 46-50.) |
|  | 12 | GER 101, 102, 201 (Students must score 51-59.) |
|  | 16 | GER 101, 102, 201, 202 (Students must score 60 or higher.) |
| History of the United States IEarly Colonization to 1877 | 3 | HST 109 (Students must score 56 or higher.) |
| History of the United States II1865 to the Present | 3 | HST 110 (Students must score 56 or higher.) |
| Human Growth and Development | 3 | CDE 232 |
| Humanities | 0 | No credit |
|  |  | Academic Catalog Archive 2018-2019 213 |


| Information Systems and <br> Computer Applications | 0 | No credit |
| :--- | :--- | :--- | :--- |
| Introduction to Educational <br> Psychology | 0 | No credit |
| Introductory Business Law | 3 | Elective credit |
| Introductory Psychology | 3 | PGS 101 or PSY 101 |
| Introductory Sociology | 3 | SOC 101 |
| Natural Sciences | 6 | Elective credit (Students must score 56 or higher.) |
| Precalculus (replaces College <br> Algebra/Trigonometry) | 3 | MAT 170 |
| Principles of Macroeconomics | 3 | ECN 211 |
| Principles of Management | 0 | No credit |
| Principles of Marketing | 0 | No credit |
| Principles of Microeconomics | 3 | ECN 212 |
| Social Sciences and History | 6 | Elective credit (Students must score 56 or higher.) |
| Spanish Language | 4 | SPA 101 (Students must score 50-54.) |
|  | 8 | SPA 101, 102 (Students must score 55-65.) |
|  | 12 | SPA 101, 102, 201 (Students must score 66-67.) |
| Western Civilization I-Ancient <br> Near East to 1648 | 3 | HST 102 (Students must score 56 or higher.) |
| Western Civilization II-1648 to <br> the Present | 3 | HST 104 (Students must score 56 or higher.) |

## Advanced Placement

Students who have taken an advanced placement course of the College Entrance Examination Board in their secondary school and who have taken an AP examination of the CEEB may receive university credit. No credit is given for any examination with a score of two or one. There is no limit to the number of AP credits that can be used to meet the General Studies requirement, including the requirements in natural sciences (SQ and SG) and literacy and critical inquiry (L).
When the scores are received by the university directly from the CEEB, credit is awarded as shown in the Advanced Placement Credit table below.

| Examination | Score | Credit <br> Hours | Equivalency |
| :--- | :--- | :--- | :--- |
| Art History | 5 or 4 | 6 | ARS 101, 102 |
| Biology | 3 | 3 | ARS 101 |
|  | 5 or 4 | 8 | BIO 181, 182 |


|  | 3 | 4 | BIO 100 |
| :---: | :---: | :---: | :---: |
| Calculus AB | $\begin{aligned} & 5,4, \text { or } \\ & 3 \end{aligned}$ | 4 | MAT 270 |
| Calculus BC | 5 or 4 | 8 | MAT 270, 271 |
|  | 3 | 4 | MAT 270 |
| Chemistry | 5 | 8 | CHM 113, 116 |
|  | 4 | 4 | CHM 113 |
| Chinese Language and Culture | 5 | 20 | CHI 101, 102, 201, 202 |
|  | 4 | 15 | CHI 101, 102, 201 |
|  | 3 | 10 | CHI 101, 102 |
| Comparative Government and Politics | 5 or 4 | 3 | POS 150 |
| Computer Science A | 5 or 4 | 3 | ACO 101, CSE 110 or SER 100 |
| Computer Science Principles | 5 or 4 | 3 | IFT 101 |
| English Language \& Composition | 5 or 4 | 3 | Placement into ENG 105 and Elective credit (3). Transfer students who have credit for ENG 102 and who completed the exam (with a score of 4 or <br> 5) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam. |
| English Literature \& Composition | 5 or 4 | 3 | Placement into ENG 105 and Elective credit (3). Transfer students who have credit for ENG 102 and who completed the exam (with a score of 40 5) prior to enrolling in ENG 102 may receive ENG 101 credit for the exam. |
| Environmental Science | 5 or 4 | 3 | SOS 110 |
| European History | 5 or 4 | 6 | HST 103 and 104 |
| French Language and Culture | 5 | 14 | FRE 201, 202, 311, 312 |
|  | 4 | 11 | FRE 201, 202, 311 |
|  | 3 | 8 | FRE 201, 202 |
| German Language and Culture | 5 | 14 | GER 201, 202, 311, 312 |
|  | 4 | 11 | GER 201, 202, 311 |
|  | 3 | 8 | GER 201, 202 |
| Human Geography | 5 or 4 | 3 | GCU 102 |
| Japanese Language and Culture | 5 | 20 | JPN 101, 102, 201, 202 |
|  | 4 | 15 | JPN 101, 102, 201 |
|  | 3 | 10 | JPN 101, 102 |
| Latin | 5 | 16 | LAT 101, 102, 201, 202 |
|  | 4 | 12 | LAT 101, 102, 201 |


|  | 3 | 0 | No Credit |
| :---: | :---: | :---: | :---: |
| Macroeconomics | 5 or 4 | 3 | ECN 211 |
| Microeconomics | 5 or 4 | 3 | ECN 212 |
| Music Theory | 5 or 4 | 3 | MTC 125 |
| Physics - AP 1 Mechanics | 5 or 4 | 4 | PHY 111, 113 |
| Physics - AP 2 Electricity and Magnetism | 5 or 4 | 4 | PHY 112, 114 |
| Physics—AP Mechanics C | $\begin{aligned} & 5,4 \text { or } \\ & 3 \end{aligned}$ | 4 | PHY 111, 113 |
| Physics-AP Electricity and Magnetism C | $\begin{aligned} & 5,4 \text { or } \\ & 3 \end{aligned}$ | 4 | PHY 112, 114 |
| Psychology | 5 or 4 | 3 | PGS 101 or PSY 101 |
| Research | $\begin{aligned} & 5,4 \text { or } \\ & 3 \end{aligned}$ | 3 | Elective |
| Seminar | $\begin{aligned} & 5,4 \text { or } \\ & 3 \end{aligned}$ | 3 | Elective |
| Spanish—Language and Culture | 5 | 14 | SPA 201, 202, 294 and 313 |
|  | 4 | 11 | SPA 201, 202 and 294 |
|  | 3 | 8 | SPA 201, 202 |
| Spanish-Literature and Culture | 5 | 15 | SPA 111, 201, 202, 325 |
|  | 4 | 12 | SPA 111, 201, 202 |
|  | 3 | 8 | SPA 201, 202 |
| Statistics | $\begin{aligned} & 5,4, \text { or } \\ & 3 \end{aligned}$ | 3 | STP 226 |
| Studio Art: Drawing | 5 or 4 | 3 | ART 111 |
| Studio Art: 2-D Design | 5 or 4 | 3 | ART 112 |
| Studio Art: 3-D Design | 5 or 4 | 3 | ART 115 |
| U.S. Government and Politics | 5 or 4 | 3 | POS 110 |
| U.S. History | 5 or 4 | 6 | HST 109 and 110 |
| World History | 5 or 4 | 6 | HST 100 and 101 |

## DANTES/DSST

Students who have taken a DSST (DANTES [Defense Activity for Nontraditional Education Support] Subject Standardized Test) may receive university credit. Credit is awarded for score results at or above the American Council on Education's recommended score if the subject examination is applicable to a program of study at ASU or may be assigned elective credit. To receive credit, a transcript showing the DSST results must be received by ASU directly from the Educational Testing Service.

Students should refer to the Transfer Credit Guide for equivalencies of exams taken outside of the current catalog year. To register for the exam, or for more information about exam fees, students should contact University Testing and Scanning Services [12] at 480-965-7146, or visit 1130 E. University Dr., Suite 204, Tempe, AZ.

| DSST Exam | ASU Credit | Score | Credit Hours |
| :---: | :---: | :---: | :---: |
| A History of the Vietnam War | HST 456 | 400 | 3 |
| An Introduction to the Modern Middle East | Elective credit | 400 | 3 |
| Art of the Western World | ARS 101 or 102 | 400 | 3 |
| Astronomy | No credit |  |  |
| Business Ethics and Society | Elective credit | 400 | 3 |
| Business Mathematics | No credit |  |  |
| Computing and Information Technology | IFT 100 | 400 | 3 |
| Criminal Justice | CRJ 100 | 400 | 3 |
| Environmental Science | Elective credit | 400 | 3 |
| Ethics in America | No credit |  |  |
| Foundations of Education | Elective credit | 400 | 3 |
| Fundamentals of College Algebra | No credit |  |  |
| Fundamentals of Counseling | Elective credit | 400 | 3 |
| Fundamentals of Cybersecurity | Elective credit | 400 | 3 |
| General Anthropology | No credit |  |  |
| Here's to Your Health | No credit |  |  |
| History of the Soviet Union | HST DEC* | 400 | 3 |
| Human Resource Management | No credit |  |  |
| Human/Cultural Geography | GCU 102 | 400 | 3 |
| Introduction to Business | Elective credit | 400 | 3 |
| Introduction to Computing | Elective credit | 400 | 3 |
| Introduction to Law Enforcement | CRJ 230 | 400 | 3 |
| Introduction to World Religions | No credit |  |  |
| Lifespan Developmental Psychology | Elective credit | 400 | 3 |
| Management Information Systems | Elective credit | 400 | 3 |
| Math for Liberal Arts | MAT 142 | 400 | 3 |
| Money and Banking | No credit |  |  |
| Organizational Behavior | Elective credit | 400 | 3 |


| Personal Finance | Elective credit | 400 | 3 |
| :--- | :--- | :--- | :--- |
| Physical Geology | No Credit |  |  |
| Principles of Advanced English Composition | ENG DEC* | 400 | 3 |
| Principles of Finance | Elective credit | 400 | 3 |
| Principles of Physical Science I | Elective credit | 400 | 3 |
| Principles of Public Speaking | Elective credit | 400 | 3 |
| Principles of Statistics | STP 226 | 400 | 3 |
| Principles of Supervision | Elective credit | 400 | 3 |
| Substance Abuse (formerly Drug and Alcohol Abuse) | No credit |  |  |
| Technical Writing | ENG DEC* | 400 | 3 |
| The Civil War and Reconstruction | Elective credit | 400 | 3 |

## International Baccalaureate (IB) diploma/certificate

Students who present an International Baccalaureate diploma/certificate may qualify for university credit, depending on the level of the examination and the grade received. Arizona State University grants credit for higher-level courses and some standard-level courses. A high-level grade of five qualifies the student to receive credit for up to two introductory courses while a grade of four qualifies a student to receive credit for one introductory course. No credit is awarded for English as a second language (English B). Credit is awarded according to the International Baccalaureate diploma/certificate credit table below.

| Examination** | Score | Credit <br> Hours | Equivalency |
| :--- | :--- | :--- | :--- | :--- |
| Art/Design High-Level | 7,6 or 5 | 6 | ART 111, 112 |
| Biology Standard-Level | 4 | 3 | ART 112 |
| Biology High-Level | 7,6 or 5 | 4 | BIO 100 |
| Business and Management Standard-Level | 7,6 or 5 | 8 | BIO DEC* 181, 182 |
| Business and Management High-Level | 4,6 or 5 | 3 | Elective |
| Chemistry Standard-Level | 7,6 or 5 | 3 | Elective |
| Chemistry High-Level | 4 | 0 | No Credit |
| Classical Languages (Latin) Standard-Level | 7,6 or 5 | 8 | No Credit |


|  | 4 | 4 | LAT 101 |
| :---: | :---: | :---: | :---: |
| Classical Languages (Latin) High-Level | 7,6 or 5 | 8 | LAT 102, 201 |
|  | 4 | 8 | LAT 101, 102 |
| Computer Science High-Level | 7,6 or 5 | 3 | ACO 101, CSE 110 or SER 100 |
| Dance Standard-Level | $\frac{7,6,5}{4} \text { or }$ | 3 | DCE 201 |
| Dance High-Level | $\frac{7,6,5}{} \frac{\mathrm{or}}{}$ | 4 | DCE 201 |
| Design Technology Standard-Level | $\frac{7,6,5}{4} \text { or }$ | 3 | Elective |
| Economics Standard-Level | 7,6 or 5 | 3 | ECN DEC* |
| Economics High-Level | 7,6 or 5 | 6 | ECN 211, 212 |
| English A High-Level | 7,6 or 5 | 3 | ENG 101 or Elective |
|  | 4 | 0 | No Credit |
| English B High-Level | any | 0 | No Credit |
| Environmental Systems and Societies StandardLevel | any | 0 | No Credit |
| Extended Essay |  |  | TBD |
| Film Standard-Level | $\begin{aligned} & 7,6,5 \text { or } \\ & 4 \end{aligned}$ | 3 | THE 100 |
| Geography Standard-Level | $\begin{aligned} & 7,6,5 \text { or } \\ & 4 \end{aligned}$ | 3 | GCU DEC* |
| Geography High-Level | 7,6 or 5 | 4 | GCU 102 and GCU DEC* |
| Global Politics Standard-Level |  |  | TBD |
| Global Politics High-Level | 7,6 or 5 | 3 | POS 160 |
| History Standard-Level | $\begin{aligned} & 7,6,5 \text { or } \\ & 4 \end{aligned}$ | 3 | HST DEC* |
| History of Africa and the Middle East High-Level | $\begin{aligned} & 7,6,5 \text { or } \\ & 4 \end{aligned}$ | 3 | HST DEC* |
| History of the Americas High-Level | 7, 6 or 5 | 6 | HST 109, 110 |
|  | 4 | 3 | HST 109 |
| History of Asia and Oceania High-Level | 7,6 or 5 | 6 | HST 107, 240 |
|  | 4 | 3 | HST 107 |
| History of Europe High-Level | 7,6 or 5 | 6 | HST 103, 104 |
|  | 4 | 3 | HST 103 |
| Information Technology in a Global Society Standard-Level | $\frac{7,6,5}{} \frac{\mathrm{or}}{}$ | 3 | Elective |
| Mathematics High-Level | 7, 6 or 5 | 4 | MAT 270 |
|  | 4 | 0 | No Credit |


| Modern Languages: Chinese High-Level | 7 | 15 | CHI 102, 201, 202 |
| :---: | :---: | :---: | :---: |
|  | 6 | 10 | CHI 102, 201 |
|  | 5 | 5 | CHI 102 |
| Modern Languages: French High-Level | 7, 6 or 5 | 8 | FRE 201, 202 |
|  | 4 | 8 | FRE 101, 102 |
| Modern Languages: German B High-Level | 7 or 6 | 14 | GER 101, 102, 311 and 312 |
|  | 5 | 11 | GER 101, 102, 311 |
|  | 4 | 8 | GER 101, 102 |
| Modern Languages: Japanese High-Level | 7 | 16 | JPN 201 and JPN 202, JPN 301 and JPN 302 |
|  | 6 | 15 | JPN 102, 201, 202 |
|  | 5 | 10 | JPN 102, 201 |
| Modern Languages: Spanish High-Level | 7,6 or 5 | 8 | SPA 201, 202 |
|  | 4 | 8 | SPA 101, 102 |
| Music High-Level | 7, 6 or 5 | 4 | MUS DEC* |
|  | 4 | 0 | No Credit |
| Philosophy Standard-Level | $\begin{aligned} & 7,6,5 \text { or } \\ & 4 \end{aligned}$ | 0 | No Credit |
| Philosophy High-Level | 5 or 4 | 0 | No Credit |
| Physics Standard-Level | 7,6 or 5 | 0 | No Credit |
| Physics High-Level | 7, 6 | 8 | PHY 111, 112, 113, 114 |
|  | 5 | 4 | PHY 111, 113 |
| Psychology Standard-Level | 5 or 4 | 3 | PSY DEC* |
| Psychology High-Level | 7, 6, 5 | 3 | PGS 101 or PSY 101 |
| Social and Cultural Anthropology Standard-Level | 7,6 or 5 | 3 | ASB DEC* |
| Social and Cultural Anthropology High-Level | $\begin{aligned} & 7,6,5 \text { or } \\ & 4 \end{aligned}$ | 3 | ASB 102 |
| Sports, Exercise and Health Science StandardLevel | 7, 6 or 5 | 3 | EXW 100 |
| Sports, Exercise and Health Science High-Level |  |  | TBD |
| Theory and Knowledge | $\begin{aligned} & 7,6,5 \text { or } \\ & 4 \end{aligned}$ | 0 | No Credit |
| Theatre Standard-Level | $\begin{aligned} & 7,6,5 \text { or } \\ & 4 \end{aligned}$ | 3 | THE 100 |
| Theatre High-Level | $\begin{aligned} & 7,6,5 \text { or } \\ & 4 \end{aligned}$ | 3 | THE 100 |


| Visual Arts Standard-Level | $7,6,5$ or <br> 4 | 3 | ART DEC* |
| :--- | :--- | :--- | :--- |
| Visual Arts High-Level | 7,6 or 5 | 6 | ART 111, 112 |
|  | 4 | 3 | ART 112 |
| World Religions Standard-Level | 7,6 or 5 | 3 | Elective |

** No credit is awarded if the language is the student's native language.

## Cambridge International Exam

Students who have completed a Cambridge course in their secondary school and who have taken a Cambridge International AS or A level examination may receive university credit. When the scores are received by the university, credit is awarded as shown in the Cambridge International Exam table below.

| Examination | Score | Credit Hours | Equivalency |
| :---: | :---: | :---: | :---: |
| Accounting AS-Level | E or better | 3 | ACC 231 |
| Accounting A-Level | E or better | 3 | ACC 231 |
| Art and Design AS-Level** | E or better | 3 | ART DEC* |
| Art and Design A-Level** | E or better | 6 | ART DEC* |
| Biology AS-Level | D or better | 4 | BIO 100 or BIO DEC* |
|  | E | 4 | BIO 100 |
| Biology A-Level | E or better | 4 | BIO 181 |
| Business AS-Level | E or better | 3 | Elective credit |
| Business A-Level | E or better | 6 | Elective credit |
| Chemistry AS-Level | D or better | 4 | CHM 101 |
| Chemistry A-Level | A | 8 | CHM 113 and CHM 116 |
|  | B or C | 4 | CHM 113 |
|  | D or E | 4 | CHM 101 |
| Chinese Language AS-Level | C or better | 15 | CHI 101, CHI 102 and CHI 201 |
| Chinese A-Level | C or better | 20 | CHI 101, CHI 102, CHI 201 and CHI 202 |
| Design and Technology AS-Level | E or better | 0 | No credit |
| Design and Technology A-Level | E or better | 0 | No credit |
| Digital Media and Design AS-Level | E or better | 3 | ART 116 |
| Digital Media and Design A-Level | E or better | 3 | ART 116 |
|  | ademic Catalog | Archive 2018-2019 | 221 |


| Economics AS-Level | E or better | 0 | No credit |
| :---: | :---: | :---: | :---: |
| Economics A-Level | D or better | 6 | ECN 211 and ECN 212 |
| English Language AS-Level | E or better | 3 | Placement into ENG 105 and elective credits (3) |
| English Language A-Level | E or better | 6 | Placement into ENG 105 and elective credits (6) |
| English Literature AS-Level | E or better | 0 | No credit |
| English Literature A-Level | E or better | 0 | No credit |
| Environmental Management AS-Level | D or better | 4 | BIO 130 |
| Food Studies AS-Level | E or better | 0 | No credit |
| Food Studies A-Level | E or better | 6 | NTR 100 and NTR 142 |
| French Language AS-Level | C or better | 4 | FRE 101 |
| French Literature AS-Level | E or better | 0 | No credit |
| French A-Level | C or better | 8 | FRE 101 and FRE 102 |
| General Paper (Writing) AS-Level | E or better | 3 | Placement into ENG 105 and elective credits (3) |
| German Language AS-Level |  |  | TBD |
| Geography AS-Level | E or better | 3 | GCU DEC* |
| Geography A-Level | E or better | 6 | GCU 102 and GPH DEC* |
| Global Perspectives and Research AS-Level | E or better | 3 |  |
| Global Perspectives and Research A-Level | E or better | 6 | Elective credit |
| History AS-Level | E or better | 3 | HST DEC* |
| History A-Level | E or better | 6 | HST DEC* |
| Information Technology AS-Level | E or better | 3 | Elective credit |
| Information Technology A-Level | E or better | 3 | Elective credit |
| Marine Science AS-Level | D or better | 4 | BIO 100 |
| Marine Science A-Level | D or better | 8 | BIO 100 and BIO 130 |
| Mathematics AS-Level | E or better | 3 | MAT 117 |
| Mathematics A-Level | E or better | 3 to 4 | MAT 170 or 171 |
| Mathematics-Further AS-Level | E or better | 4 | MAT 270 |
| Mathematics-Further A-Level | E or better | 8 | MAT 270 and MAT 271 |
| Media Studies AS-Level | E or better | 3 | FMP 201 |
| Media Studies A-Level | E or better | 3 | FMP 201 |


| Music AS-Level | E or better | 3 | MUS DEC* |
| :--- | :--- | :--- | :--- |
| Music A-Level | E or better | 6 | MUS DEC* |
| Physical Science AS-Level | E or better | 3 | Elective credit |
| Physics AS-Level | E or better | 0 | No credit |
| Physics A-Level | E or better | 8 | PHY 111, PHY 113, |
| Portuguese Language AS-Level | E or better | 5 | POR 101 and PHY 114 |
| Portuguese A-Level | E or better | 10 | POR 101 and POR 201 |
| Psychology AS-Level | E or better | 3 | PSY 101 |
| Psychology A-Level | E or better | 6 | PSY 101 and PSY DEC* |
| Sociology AS-Level | E or better | 3 | SOC 101 |
| Sociology A-Level | E or better | 6 | SOC 101 and SOC DEC* |
| Spanish First Language AS-Level | C or better | 4 | SPA 101 |
| Spanish Language AS-Level | C or better | 4 | SPA 101 |
| Spanish A-Level | C or better | 8 | SPA 101 and SPA 102 |
| Thinking Skills AS-Level | E or better | 3 | Elective credit |
| Thinking Skills A-Level | E or better | 6 | Elective credit |
| Travel and Tourism AS-Level | E or better | 3 | TDM 205 |
| Travel and Tourism A-Level | E or better | 6 | TDM 205 and TDM DEC* |

**Credit awarded depends on the content of the course completed; see advisor once admitted.

## Comprehensive Examinations

A comprehensive examination is intended to permit a student to establish academic credit in a field in which the student has gained experience or competence equivalent to an established university course. Applications are given only for courses listed in the current catalog and only for courses in which a comprehensive examination can serve as a satisfactory measure of accomplishment.

A number of restrictions apply. To be eligible to apply to take a comprehensive examination to establish undergraduate course equivalence, a student must:

1. have earned not more than 60 credit hours through comprehensive, CLEP, international baccalaureate and advanced placement examinations
2. have earned no credit for a duplicate course
3. have earned no credit for a course for which this course is a prerequisite

The decision on the suitability of course material for a comprehensive examination, the development of a comprehensive examination and the administration of an examination are strictly departmental functions. An application is for one course only. The student should complete an application form with the number, title and number of credit hours for the course. When completed, the application must be approved by the student's advisor and the chair of the department responsible for offering the course.

The student must then pay the stated fee for such examinations at cashiering services. The receipt must be taken to the departmental office.
The examination is prepared by the instructor who normally conducts the course, and it is comprehensive in nature and scope. The instructor and other experts designated by the chair grade the examination, using letter grades " $\mathrm{A}+\mathrm{"}$, " A ", " $\mathrm{A}-$ ", " $\mathrm{B}+$ ", "B", "B-", "C+", "C", "D" or "E". If the grade is "C" or higher, a mark of "Y" is entered on the student's permanent record; otherwise, no entry is made. Credit by examination is indicated as such on the record. The student is notified by mail of the result of the examination. In cases of failure ("D" or "E"), the student is not given an opportunity to repeat the examination.
A student pursuing a second baccalaureate degree may not receive credit by comprehensive examination, but with prior approval of the college, the student may use the examination to waive a course requirement if a grade of " C " or higher is earned.

## Proficiency Examinations

Proficiency examinations and auditions are given:

1. to waive a course requirement
2. to validate certain transfer credits in professional programs
3. to determine a student's ability in a field where competence is an important consideration

Detailed information may be obtained from the dean's office of the college in which the student is registered.

Source URL: https://catalog.asu.edu/credit_exam

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2839/body?destination=print/2839
[2] https://webapp4.asu.edu/transfercreditguide/app/home
[3] https://catalog.asu.edu/credit_exam\#CLEP
[4] https://catalog.asu.edu/credit_exam\#AP
[5] https://catalog.asu.edu/credit_exam\#DANTES
[6] https://catalog.asu.edu/credit_exam\#IB
[7] https://catalog.asu.edu/credit_exam\#cambridge
[8] https://catalog.asu.edu/credit_exam\#COMP
[9] https://catalog.asu.edu/credit_exam\#PRO
[10] https://catalog.asu.edu/test_req
[11] https://uoeee.asu.edu/exam/clep
[12] https://uoeee.asu.edu/exam/dsst

## Enrollment and Degree Verification

Arizona State University is frequently asked to certify a student's earned degrees and/or enrollment status (full-time, parttime, etc.). Enrollment status is determined by the number of credits for which a student is enrolled during the term in which certification is requested. Courses a student has withdrawn from are not included. Note that classes taken for audit are included in total enrolled hours.

## How to Obtain an Enrollment or Degree Verification

1. Log in to My ASU [1] and navigate to the My Classes box
2. Select Grades \& Transcripts
3. Select Transcripts \& Test Scores
4. Select Enrollment Verification

You will be able to select from several options including your major, earned degrees, and semester and cumulative GPA, and print out the Enrollment Verification as a PDF.
If you need special information on your Enrollment Verification, or if you need a specialty verification form completed such as the Canadian or Alaskan form, submit an Enrollment Verification Request [2] form at any University Registrar Services location [3] (photo ID required for in-person visits). Requests by email, mail or fax must include the student's verifiable signature. Please allow up to two business days for processing.
For students that attended the Thunderbird School of Global Management prior to December 31, 2014, information on how to obtain verification of your Thunderbird coursework or degree can be found here [4].
If you have questions or need additional information, please contact University Registrar Services, Records \& Enrollment Services at 480-965-3124 or registrar@asu.edu [5].

## Enrollment \& Degree Verification for Outside Agencies and Third Parties

ASU has contracted with the National Student Clearinghouse [6] to process all enrollment and degree verification requests for employers, employment agencies, background search firms, and various other businesses that offer products or services based on the individual's status as an enrolled student.

- If you need assistance, contact National Student Clearinghouse [6] directly at 703-742-4200.
- If the National Student Clearinghouse can confirm the degree or enrollment, the response is immediate and requestors will be able to print or obtain a PDF version of the verification.
- Enrollment verifications for each term will be available starting the first week of classes for that term.
- A fee will be charged for this service.


## Full-Time and Half-Time Credit Requirements for Enrollment Verification Purposes

## Fall \& Spring Semesters

Status Undergraduate Graduate

| Full time | $12+$ credit hours | $9+$ credit hours |
| :--- | :--- | :--- |
| $3 / 4$ time | $9-11$ credit hours | $7-8$ credit hours |
| Half time | $6-8$ credit hours | $5-6$ credit hours |
| Less than half time | $1-5$ credit hours | $1-4$ credit hours |

## Summer Sessions

| Status | Undergraduate | Graduate |
| :--- | :--- | :--- |
| Full time | $4+$ credit hours | $3+$ credit hours |
| Half time | $2-3$ credit hours | 2 credit hours |
| Less than half time | 1 credit hour | 1 credit hour |

Research and Teaching Assistants: For fall and spring semesters, research and teaching assistants must be enrolled in at least six credit hours to be considered full time. For summer sessions, they must be enrolled in at least two credit hours to be considered full time and one credit hour to be considered half time.

Financial Aid Recipients: Full-time and half-time credit requirements may be different for financial aid disbursement purposes. Please review the Award Disbursement Rules [7] to determine the required enrolled hours needed for financial aid disbursement.

## Co-Operative Education

Students are required to be enrolled in a designated co-op course within their college for a minimum of one credit hour during the co-op semester. Co-op students will be identified for enrollment verification purposes as being in full-time status. This will include verification to the National Student Clearinghouse for loan deferment purposes. The co-op experience must meet the clock time in hours of work to meet the full- time enrollment requirement, as monitored by the student's college. A credit hour is defined as a minimum of 45 clock hours. Please review the Award Disbursement Rules [7] to determine the required enrolled hours needed for financial aid disbursement.

Source URL: https://students.asu.edu/enrollment-verification

## Links:

[1] https://webapp4.asu.edu/myasu/
[2] http://students.asu.edu/forms/enrollment-verification
[3] http://students.asu.edu/contact/office-university-registrar
[4] https://asu.secure.force.com/kb/articles/FAQ/How-Do-I-Request-Thunderbird-School-of-Global-Management-
Enrollment-and-Degree-Verification/?q=thunderbird+enrollment\&l=en_US\&fs=Search\&pn=1
[5] mailto:registrar@asu.edu
[6] http://www.studentclearinghouse.org/
[7] https://students.asu.edu/policies/census

## Glossary of Academic Terms

## University Academic Good Standing (Undergraduate) [1]

2.00 cumulative GPA

- College-specific academic good standing rules can be developed. Example: W. P. Carey Academic Good Standing. Use the college name in a policy title to differentiate it from university policy.


## University Academic Warning

An undergraduate student with a cumulative GPA of less than 2.00 at the end of their first semester (fall or spring) is considered to be in the status of University Academic Warning.

## University Academic Probation [2]

An undergraduate student is placed on University Academic Probation if, at the end of a semester (fall or spring) that is not the student's first semester at ASU, the student has a cumulative GPA of less than 2.00, or the student received an academic warning in the prior term.

- Colleges may establish specific criteria for their own Academic Probation status, to be defined as "College Name" Academic Probation. The college Academic Probation status may take the place of University Academic Probation but may not replace the University Academic Warning. Example: Fulton Schools of Engineering Academic Probation.


## University Continuing Academic Probation [2]

A student is said to be on University Continuing Academic Probation each semester (fall or spring) that student (previously on University Academic Probation) earns a semester GPA greater than 2.00, but yet has a cumulative GPA of less than 2.00.

- Colleges may establish individual time limits and specific semester GPA requirements for Continuing Academic Probation, to be defined as "College Name" Continuing Academic Probation.


## Co-enrolled Continuing Probation Program [3]

Select disqualified students may participate in the Co-enrolled Continuing Probation Program at the discretion of their college or school. Under this program, the student takes UNI 220 Academic Refresher plus one ASU course selected by the student's advisor, and the student co-enrolls at a Maricopa Community College with a schedule selected in consultation with the ASU advisor. If, upon completion of the term, the student has a combined semester cumulative GPA of 2.50 , the student may continue regular enrollment at ASU. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

## Ineligible

A student who is in University Academic Good Standing, but is ineligible to remain in their major based on college specific academic requirements. This status was phased out during the 2015-2016 academic year with new tracking requirements and University Academic Good Standing policies.

## Disqualified [4]

A student on University Academic Probation who does not earn a semester GPA of 2.00 or greater (fall or spring) will be disqualified. Students who are disqualified are not permitted to enroll at ASU in any subsequent fall or spring semester unless they are readmitted.

## Satisfactory Progress [5]

This term is used in different ways for students, such as with regard to financial aid, sponsored international programs, athletics and veterans' benefits. Satisfactory Progress is a complex calculation specific to major and situation. This term does not refer to Academic Standing.

Progression [5]
This term refers to how a student meets milestones and degree requirements in movement toward achieving degree completion. This term does not refer to Academic Standing.

Reinstatement [6]
A student who has previously been academically disqualified and seeks to return either for a fall or spring semester a) immediately or b) after a period of absence and has met college admissions standards.

## Quick Re-entry [7]

The term Quick Re-entry refers to a streamlined process in which students do not need to submit a new application or application fee if they are undergraduate degree-seeking students who previously attended ASU but have not been enrolled at ASU for one fall or spring semester, or for no more than two consecutive semesters.

## Readmitted [7]

Students not eligible for Quick Re-entry (i.e., because they have not been enrolled at ASU for three or more semesters, completed their academic program or were academically disqualified), must apply for readmission and submit applicable fees. Candidates for readmission who are not in academic good standing are subject to college review. A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible.

## eAdvisor [8]

A suite of tools used to monitor student progression towards degree completion including Degree Search, major maps and the tracking of critical and necessary requirements (8 semester tracking application).

## Major Map

A major map is an eight-semester, optimal course plan that outlines a recommended sequence of courses, enabling fulltime students to graduate in four years. The major map is posted on a student's My ASU in the My Programs box under Degree Progress.

## Necessary Requirement

As identified on the major map, as a curricular or non-curricular degree requirement that the faculty have identified as necessary for timely completion of degree requirements. Necessary requirements appear in terms 5-8.

## eAdvisor Tracking

ASU's eAdvisor Tracking outlines critical courses, GPA requirements and milestones that predict success in each major and tracks students' progress toward meeting them. Sometimes called 8 Semester Tracking, or Critical Tracking, eAdvisor Tracking evaluates how a student's completed courses meet degree requirements in a specific term. Includes both critical and necessary courses. Also refers to the student application for viewing all major map requirements and progression towards meeting those requirements (personalized major map).

## Critical Requirement [9]

As identified on the major map, as a curricular or non-curricular degree requirement that the faculty have identified as critical predictors of success in a specific major. Critical requirements can be courses, grades, GPAs or non-curricular requirements such as submitting a fingerprint clearance card. Critical Requirements appear in terms 1-4.

## Off Track

A student who has not met one or more critical requirements as stated in terms 1-4 of their major map in a given fall or spring semester.

## Twice Off Track

A student who has not met one or more critical requirements as stated in terms 1-4 of their major map in two consecutive fall or spring semesters.

## On Track

A student who has met all critical requirements identified in terms 1-4 of the major map in the current term and previous terms against which they are being evaluated (as identified in the major map).

## On Track to Graduation

A student who has met all necessary requirements (terms 5-8) in the current term and necessary or critical requirements in previous terms against which they are being evaluated (as identified in the major map).

## Off Track to Graduation

A student who has not met one or more necessary requirements (terms 5-8) as stated in their major map in a given fall or spring semester.

## Academic Status Reports

ASRs allow faculty to provide weekly feedback to students regarding class performance. Through My ASU [10] students see an indicator notifying them that they have received an ASR, which can include suggested follow-up items and information about academic resources so that they can get the help they need to be successful.

## Academic Support Team

Each student has an academic advising committee that helps them set personal academic goals, understand policies and create strategies for staying on track towards graduation. The committee is listed on the student's My ASU page. Also included is information about how advising services work in the student's department, how to get answers to advising questions and how to make an appointment with an advisor.

## Milestones

A curricular or non-curricular requirement that needs to be completed by a specific point in time. Examples: portfolio review or audition.

## Progress Reports

Progress reports from eAdvisor allow students to track their progress through audits available on My ASU [11]. The DARS Graduation Audit outlines a complete list of degree requirements, including university graduation requirements, General Studies and major requirements. The DARS Graduation Audit is the official record used to verify degree completion. A major map is an eight-semester, optimal course plan that outlines a recommended sequence of courses, enabling fulltime students to graduate in four years.
In addition to traditional progress reports, eAdvisor students can run a critical requirement audit and view their tracking status in My Major Map at any time during the semester. My Major Map, also available on My ASU, provides students the ability to track how their courses are meeting degree requirements as well as their progress toward completing other critical requirements (GPAs and milestones required to stay on track). A student's record may change multiple times during the semester because of dropped courses, transferred credit, completed milestones or changed majors. The system accounts for changes to student records and updates eAdvisor status, My Major Map and the DARS Graduation Audit nightly.

## Priority Tasks

eAdvisor places important notes and reminders in the Priority Tasks box on students' My ASU page. If students become off track, an advising hold is placed on their record. While they may drop and withdraw from a course, they will not be able to add courses to the current semester. Students with off-track status will not be able to register for future fall and spring semesters until they have contacted their advisor and discussed strategies for getting back on track. The advisor will then remove the hold. Other tasks, from student support areas such as Financial Aid and the Registrar's Office will also appear in this box.

## Concurrent Degree [12]

Internal to the university, two degrees, same level, same time, and may include some shared courses. Concurrent degrees can be either preapproved combinations or unique combinations added by the student via petition. Examples: JD/PhD or BS/BSE. Two diplomas are awarded.

## Multiple Concentration

Internal to the university, one degree awarded, same level, same time, some shared courses. For undergraduate degrees with multiple concentrations, students may not share coursework between the core concentration curricula. Multiple concentrations are typically added by petition. Example: Business (Global Leadership), BA and Business (Sustainability), BA.

## Joint Degrees

Joint programs, or jointly conferred degrees, are a single program of study offered by more than one college at ASU that provide opportunities for students to take advantage of the academic strengths of two academic units. Upon graduation, students are awarded one degree and one diploma conferred by both colleges. Both colleges will appear on the transcript and diploma.

## Dual Degree

An offering that is both internal and external to ASU. The student pursues two degrees simultaneously, one with ASU and one with an external institution. Example: ASU and Mayo Clinic.

## Accelerated bachelors/masters (4 + 1) [13]

The $4+1$ accelerated bachelor's and master's degrees are designed by the academic units to provide select highachieving undergraduate students with the opportunity to combine advanced undergraduate coursework with graduate coursework to accelerate graduate degree completion. These programs allow accelerated students to obtain a bachelor's degree and a master's degree within five years. These programs are preapproved combinations and are internal to ASU.

## Accelerated bachelors/masters degree (3+2)

A preapproved pathway to achieving a bachelor's degree and a graduate level degree in five years. These are preestablished relationships, typically with international institutions.

## Experiential Learning

Experiential learning such as internships and co-ops are integral to the preparation of an ASU graduate.

- An internship is a structured practical experience that allows students to gain work-based skills with the possibility of earning academic credit. Students follow a contract or a plan and are supervised by faculty or practitioners in the career field. Credit-bearing internships are an approved way to meet elective requirements and can count towards the University 120 hour graduation requirement at the undergraduate level. The department and individual faculty determine whether or not a specific internship experience meets the requirements of the unit and how many credit hours should be awarded.
- A cooperative education program, commonly known as a co-op, is a structured method of combining classroom-based education with practical work experience. Co-ops allow students to earn academic credit for
structured job experience as well as a paycheck to help finance their college education. Co-ops are a joint venture between a college or university, a selected employer, and the student.


## Source URL: https://catalog.asu.edu/glossary

## Links:

[1] https://catalog.asu.edu/retention_standing\#goodstanding
[2] https://catalog.asu.edu/retention_standing\#probation
[3] https://catalog.asu.edu/retention_standing\#coenrolled
[4] https://catalog.asu.edu/retention_standing\#disqualified
[5] https://catalog.asu.edu/retention_standing\#progress
[6] https://catalog.asu.edu/retention_standing\#reinstatement
[7] https://students.asu.edu/readmission
[8] https://eadvisor.asu.edu/
[9] https://catalog.asu.edu/undergraduatereq/\#eadvisor
[10] https://my.asu.edu
[11] http://my.asu.edu/
[12] https://catalog.asu.edu/undergraduatereq/\#concurrent
[13] https://students.asu.edu/graduate/acceleratedprograms

## Minors and Undergraduate Certificates

To declare a minor or pursue a certificate, please consult your academic advisor and an advisor in the unit offering the minor for more information. Search minors and certificates [1].

## Minors

A minor is an approved, coherent concentration of academic study in a single discipline, involving substantially fewer hours of credit than a corresponding major. Most ASU colleges offer undergraduate minors in addition to majors.
Students in most majors may pursue one or more minors and, upon successful completion of the prescribed coursework, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.
Certain major and minor combinations may be deemed inappropriate by either the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

## Undergraduate Certificates

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Source URL: https://catalog.asu.edu/minors

## Links:

[1] https://webapp4.asu.edu/programs/t5/MinorsCertificates/undergrad/true

## Placement and Testing Requirements

## English Placement

All new, transfer or readmitted undergraduate students who plan to enroll for seven or more credit hours must meet one of the following testing requirements. Students who fail to meet at least one of these requirements are not allowed to register for any course the following semester:

- Take the ACT English or SAT verbal examination, and have scores submitted to ASU.
- Receive a score of four or five for the advanced placement examination in English offered by the College Entrance Examination Board, and have scores submitted to ASU.
- Take the CLEP general examination in College Composition, earning a score that qualifies for equivalency with ENG 101 or placement into ENG 105, and have scores submitted to ASU.
- Have previously taken ENG 101, ENG 102, ENG 105, ENG 107 or ENG 108 at ASU; or have previously earned a grade of "Y;" or be currently enrolled in WAC 101 or WAC 107 at ASU.
- Transfer a course equivalent to ENG 101, ENG 102, ENG 105, ENG 107 or ENG 108 with a grade of "C" (2.00) or higher. An official transcript showing the grade must be received at ASU. If a student transfers an equivalent composition course from a public Arizona community college or university or an articulated equivalent course from another institution, the equivalency is automatically posted and the student need not take further action. A student transferring a nonarticulated composition course from any other college or university may be required to submit documentation to determine equivalency of the courses. After consultation with an advisor, if evaluation is necessary, the student should submit a request for evaluation through the ASU Transfer Credit Guide [1].
- An international student whose native language is not English must take ENG 107 (or WAC 107 followed by ENG 107 the second semester) in the first semester at ASU, unless they have taken and transferred an equivalent composition course from a college or university in the U.S. Such a course must be evaluated for equivalency through the ASU Transfer Credit Guide [1].
Admitted ASU students who have not sent official ACT or SAT scores to ASU may need to take the WritePlacer section of the ACCUPLACER placement test [2] for placement into a first-year English composition course.


## Math Placement

ASU requires all incoming freshmen to complete the ASU mathematics placement test [3] for mathematics prior to orientation, in order to determine the appropriate math course for enrollment.

Source URL: https://catalog.asu.edu/test_req

## Links:

[1] https://webapp4.asu.edu/transfercreditguide/app/home
[2] https://uoeee.asu.edu/exam/accuplacer
[3] https://students.asu.edu/math

## Retention and Academic Standards

## Class Standing

A student's class standing is determined by the number of credit hours earned, as shown in the table below.

## Student Credit Hours Earned

Freshman 24 or fewer credit hours earned

Sophomore 25 to 55 credit hours earned

| Junior | 56 to 86 credit hours earned |
| :--- | :--- |
| Senior | 87 or more credit hours earned |
| Graduate | bachelor's degree from accredited institution |

## Academic Good Standing

For the purpose of retention, university academic good standing [2] for degree-seeking students is defined as maintaining a minimum cumulative GPA of 2.00. This standard is in effect for all students, regardless of catalog year, beginning in fall 2013.

An ASU student who does not achieve the minimum GPA standard at the completion of the first term of study will receive an academic warning [3]. If after one term with an academic warning a student still does not achieve the minimum GPA standard, the student will be placed on probation for at least one additional term. If a student's minimum GPA first falls below the standard in a term that is not the student's first term at ASU, the student will be placed on probation. Failure to return to good academic standing after being placed on probation may result in disqualification.

A student with an academic warning or on academic probation is considered in conditional good standing and is permitted to enroll.
Whether a student's status is an academic warning or probation, the student must meet with an academic success specialist to discuss academic success strategies for the subsequent semester and develop a success plan for returning to university academic good standing. At the discretion of the student's college or school, that plan may require successful completion of UNI 220 Academic Refresher. In addition, a student who has fewer than 24 credit hours may be required to participate in the ASU Pathway for Achieving Student Success program [4]. Students who successfully complete UNI 220 and participate in the PASS program will get an additional semester of academic probation before being disqualified.

## Dean's List

Undergraduate students are eligible for the Dean's List if they earn 12 or more graded credit hours ("A+", "A", "A-", "B+", "B", "B-", "C+", "C", "D" or "E") during a semester in residence at ASU with a GPA of 3.50 or higher. A notation regarding Dean's List achievement appears on the unofficial transcript.

## Satisfactory Academic Progress

The university is required to publish and enforce standards of satisfactory academic progress for certain students (e.g., student athletes, students receiving financial aid and students receiving veterans benefits).

Certification of satisfactory progress for student athletes is verified by the academic advisor and the dean's designee for certifying satisfactory progress. Certification of satisfactory progress [5] for students receiving financial aid or veterans benefits is verified by the Financial Aid and Scholarship Services office or the Office for Veteran and Military Academic Engagement, respectively. Students should contact their advisors or the appropriate office for additional information on satisfactory progress requirements.

## Probation

A student's college assumes responsibility for enforcing academic standards and may place on university academic probation [6] any student who has failed to maintain good standing as previously defined. For purposes of probation and retention, an individual college may set higher GPA standards. A student on academic probation is required to observe
any rules or limitations the college may impose as a condition for retention, including college-established policies regarding continuing probation.

## Co-enrolled Continuing Probation Program

Select disqualified students may participate in the Co-enrolled Continuing Probation program at the discretion of their college or school. Under this program, the student takes UNI 220 Academic Refresher plus one ASU course selected by the student's advisor. The student co-enrolls at a Maricopa County Community College with a schedule selected in consultation with the ASU advisor. Upon completion of the term, students with a combined semester cumulative GPA of 2.50 may continue regular enrollment at ASU. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

## Disqualification

A student who is placed on probation at the end of a semester is subject to disqualification [7] by the college or school at the end of the following semester if the conditions imposed for retention are not met.

Disqualification is exercised at the discretion of the college or school. A student is notified of disqualification by the dean of the college and is not allowed to register in a fall or spring semester at the university. If the student has already registered for a future fall or spring semester, the registration is canceled. A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible. A disqualified student may not attend as a nondegree student. If a disqualified student elects to attend another university or two-year college, any credits earned there will not affect the ASU cumulative GPA. A course repeated elsewhere will not result in a replacement of a grade earned at ASU. Disqualified students must consult with an academic advisor to determine eligibility to attend ASU in the summer session, to raise the ASU cumulative GPA.

Select disqualified students may participate in the Co-enrolled Continuing Probation Program. See Probation [6].

## Readmission

Students not eligible for Quick Re-entry [8] (i.e., because they have not been enrolled at ASU for three or more semesters, completed their academic program or were academically disqualified), must apply for readmission and submit applicable fees.
Candidates for readmission who are not in academic good standing are subject to college review.
A disqualified student who has not already been absent for a semester may contact the college advisor to see if reinstatement is possible.

## Academic Integrity

Find out more about academic integrity [9].

Source URL: https://catalog.asu.edu/retention_standing

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2838/body?destination=print/2838
[2] https://catalog.asu.edu/glossary\#goodstanding
[3] https://catalog.asu.edu/glossary\#warning
[4] https://studentsuccess.asu.edu/success-programs/pass
[5] https://catalog.asu.edu/glossary\#progress
[6] https://catalog.asu.edu/glossary\#probation
[7] https://catalog.asu.edu/glossary\#disqualified
[8] https://catalog.asu.edu/glossary\#quickreentry
[9] https://provost.asu.edu/academic-integrity

## University Undergraduate General Studies Requirement

A baccalaureate education should prepare students for a particular profession or advanced study and for constructive and satisfying personal, social and civic lives as well. In addition to depth of knowledge in a particular academic or professional discipline, students should also be broadly educated and develop the general intellectual skills they need to continue learning throughout their lives. Thus, the General Studies requirement complements the undergraduate major by helping students gain mastery of critical learning skills, investigate the traditional branches of knowledge and develop the broad perspective that frees one to appreciate diversity and change across time, culture and national boundaries.
Critical learning skills include proficiency in the use of language, mathematics and quantitative methods as tools for acquiring, renewing, creating and communicating knowledge. A broad education includes an understanding of the methods and concerns of traditional branches of knowledge - the arts and humanities, the social sciences and the natural sciences. Developing perspective requires historical, global and cross-cultural examination of knowledge of all kinds.
The General Studies requirement is composed of courses in five core areas and three awareness areas. The courses are approved by the General Studies Council and are noted in the course catalog [1] for each academic term. General Studies courses are regularly reviewed and are occasionally added to and deleted from the list. Students should always consult the course catalog [1] each semester to see which courses currently meet the General Studies requirement.
A student receives the General Studies credit that a course carries during the semester in which the course is taken.

## Five Core Areas (general studies)

## L: Literacy and Critical Inquiry (three credit hours)

Literacy is competence in written and oral discourse. Critical inquiry is the gathering, interpretation and evaluation of evidence. The literacy and critical inquiry requirement helps students sustain and extend their ability to reason critically and communicate clearly through language.
Students must complete three credit hours from courses designated as L. Students must have completed ENG 101, ENG 105 or ENG 107 to take an L course.
The three credit hours required to meet the General Studies $L$ requirement are in addition to the university level upperdivision $L$ requirement. See university graduation requirements [2] for more information.

## MA and CS: Mathematical Studies (combined six credit hours)

This core area has two categories. Mathematics (MA) is the acquisition of essential skills in basic mathematics. Computer/statistics/quantitative applications (CS) applies mathematical reasoning and requires students to complete a course in either the use of statistics/quantitative analysis or the use of a computer to assist in serious analytical math work.
This requirement has two parts: At least three credit hours must be selected from courses designated MA and at least three credit hours must be selected from courses designated CS, and all students are expected to fulfill the MA requirement by the time they accumulate 30 hours of credit in residence at ASU. Any student who has more than 30 hours of resident ASU credit and has not fulfilled the MA requirement must enroll in an MA course or an appropriate prerequisite and continue to do so every semester until the mathematics requirement is met. College officers may grant waivers to the immediate and continual enrollment requirement only when there are scheduling conflicts detrimental to the student's academic progress.

## HU: Humanities, Arts and Design and <br> SB: Social-Behavioral Sciences (combined 12 credit hours)

The study of the humanities and the disciplines of art and design deepen awareness of the complexities of the human condition and its diverse histories and cultures. Courses in the humanities are devoted to the productions of human thought and imagination, particularly in philosophical, historical, religious and artistic traditions. Courses with an emphasis in arts and design are devoted to the study of aesthetic experiences and the processes of artistic creation. They may also feature a design emphasis in which material culture is studied as a product of human thought and imagination.
The social-behavioral sciences provide scientific methods of inquiry and empirical knowledge about human behavior, within society and individually. The forms of study may be cultural, economic, geographic, historical, linguistic, political, psychological or social. The courses in this area address the challenge of understanding the diverse natures of individuals and cultural groups who live together in a world of diminishing economic, linguistic, military, political and social distance.

A total of 12 credit hours must be completed in the following two core areas: humanities, arts and design (HU) and socialbehavioral sciences (SB). At least six credit hours must be taken in one of these two core areas.
The 12 hours required to meet the General Studies HU/SB requirement are in addition to the university level upperdivision $\mathrm{HU} / \mathrm{SB}$ requirement. Students should see university graduation requirements [2] for more information.

## SQ and SG: Natural Sciences (combined eight credit hours)

The natural sciences help students appreciate the scope and limitations of science and its contributions to society. Natural science areas of study include anthropology, astronomy, biology, biochemistry, chemistry, experimental psychology, geology, microbiology, physical geography, physics and plant biology. Knowledge of the methods of scientific inquiry and mastery of basic scientific principles and concepts are stressed, specifically in those that relate to matter and energy in living and nonliving systems. Firsthand exposure to scientific phenomena in the laboratory is important for developing and understanding the concepts, principles and vocabulary of science.

General Studies courses that satisfy the natural science requirement are given one of two classifications: quantitative (SQ) and general (SG).

Natural Science - Quantitative (SQ): These laboratory courses include a substantial introduction to the fundamental behavior of matter and energy in physical and biological systems.

Natural Science - General (SG): These laboratory courses cover aspects of scientific inquiry that lend themselves to more qualitative or descriptive discussions of science.

Eight credit hours of courses designated SQ or SG must be selected. Of these, at least four credit hours must be taken from the SQ category.

## Three Awareness Areas (general studies)

Students must complete courses that satisfy three awareness areas. Courses that are listed for a core area and one or more awareness areas may satisfy requirements concurrently, up to a maximum of two of the awareness areas listed for that course. These awareness areas promote appreciation of cultural diversity within the contemporary U.S., the development of an international perspective and an understanding of current human events through study of the past.

## 1. Cultural Diversity in the United States (C)

The objective of the cultural diversity (C) requirement is to promote awareness and appreciation of cultural diversity within the contemporary U.S. This is accomplished through the study of the cultural, social or scientific contributions of women and minority groups, examination of their experiences in the U.S., or exploration of successful or unsuccessful interactions between and among cultural groups. Awareness of cultural diversity and its multiple sources can illuminate the collective past, present and future and also help students achieve greater mutual understanding and respect.

## 2. Global Awareness (G)

The objective of the global awareness $(G)$ requirement is to help students recognize the need for an understanding of the values, elements and social processes of cultures other than those of the U.S. The global awareness area includes courses that recognize other contemporary cultures and the relationship of the American cultural system to generic human goals and welfare.

## 3. Historical Awareness (H)

The objective of the historical awareness (H) requirement is to help students develop knowledge of the past, which can be useful in shaping the present and future. History is present in languages, art, music, literature, philosophy, religion and the natural sciences, as well as in the social science traditionally called history.

## Meeting the General Studies Requirement

All students enrolled in a baccalaureate degree program must successfully complete a minimum of 29 credit hours of approved General Studies courses. Many General Studies courses are approved as satisfying more than one requirement. The following conditions govern the application of courses toward the General Studies requirement:

- A single course may be used to satisfy one core area and a maximum of two awareness area requirements.
- A single course may be used to satisfy a maximum of two awareness area requirements.
- A single course cannot be used to satisfy two core area requirements, even if it is approved for more than one core area.

There is no limit to the number of advanced placement or College-Level Examination Program credits that can be used to meet the General Studies requirement; see credit by examination [3]. However, CLEP credits do not satisfy the natural sciences (SQ and SG) and literacy and critical inquiry (L) portions of the General Studies requirement.

## Transfer Credit

Completion of ASU's lower-division general studies and composition requirements will be awarded to any transfer student who has completed the general studies and composition requirements at another domestic university as certified through completion of the AGEC from an Arizona community college or IGETC/CSUGE for California public community colleges, or the completion of an associate of arts degree at any regionally accredited community college or university in the United States. These students will still be required to fulfill lower-division program requirements and prerequisites within their college and major and minor area of study. Additionally, students must still take six upper-division credit hours (three for L and three for SB or HU ) to complete the ASU university-level graduation requirements. If students transfer from Arizona community colleges without completing the AGEC or from other accredited postsecondary institutions, they receive credit for General Studies based on course-by-course equivalency. See Arizona General Education Curriculum [4].

## University Requirements

In addition to the 29 credit hours of lower-division general education coursework, university graduation requirements [2] also require students to take six additional upper-division credit hours. Three hours with a Literacy (L) designation are required to be chosen from approved upper-division courses, preferably in the major. Three hours with either a humanities, arts and design (HU) or social-behavioral sciences (SB) designation should also be chosen from approved upper-division courses, preferably in the major.

## College or School and Major Requirements

In addition to the General Studies requirement, students must also complete college or school and major requirements. Students are encouraged to work with their academic advisors to develop a program of study that efficiently meets all graduation requirements. A well-planned program should enable a student to concurrently satisfy requirements at the university, college or school levels and within their major.

Source URL: https://catalog.asu.edu/ug_gsr

## Links:

[1] https://webapp4.asu.edu/catalog/
[2] https://catalog.asu.edu/undergraduatereq
[3] https://catalog.asu.edu/credit_exam\#CLEP
[4] https://catalog.asu.edu/agec

## University Undergraduate Graduation Requirements

All students enrolled in a baccalaureate degree program must fulfill the following university requirements to graduate.

## Credit Requirements

A minimum of 120 credit hours is required for graduation with a baccalaureate degree. A minimum of 45 credit hours in upper-division courses is required for graduation. Some programs may require more than 120 credit hours and 45 upperdivision credit hours for graduation; check the program's major map for graduation requirements.
No more than 60 credit hours earned in independent learning courses or earned by comprehensive examination (including advanced placement, College-Level Examination Program, DANTES Subject Standardized Test, Cambridge International Exam and International Baccalaureate diploma/certificate exams) are accepted for credit toward the baccalaureate degree.

## Grade Point Requirement

A minimum cumulative grade point average of 2.00 for all courses taken at ASU is required to graduate with a baccalaureate degree. Some programs may require more than a 2.00 GPA ; refer to the specific program's major map for graduation requirements.

## General Studies Requirement

All students enrolled in a baccalaureate degree program must satisfy the university requirement of a minimum of 29 credit hours of approved General Studies coursework. See General Studies. [2]
Students transferring from Arizona community colleges with a certified completion of the appropriate Arizona General Education Curriculum will have satisfied all lower-division General Studies requirements of the baccalaureate degree with which the AGEC articulates. Completion of ASU's lower-division General Studies and composition requirements also will be awarded to any transfer student who has completed the IGETC/CSUGE for California public community colleges or an associate of arts degree at any regionally accredited community college or university in the United States. For more details regarding the different versions of AGEC, refer to https://aztransfer.com/ [3].
An additional combined six credit hours of literacy (L) (three credit hours total) and humanities, arts and design $(\mathrm{HU}) /$ social-behavioral sciences (SB) (three credit hours total) at the upper-division level, preferably chosen from within the major, must be completed in addition to 29 credit hours of General Studies coursework.

## Mathematics Requirement

All undergraduate degree-seeking students are expected to fulfill the university's mathematics requirement by the time they have accumulated 30 hours of credit in residence at ASU. Any student who has more than 30 credit hours and has not fulfilled the mathematics requirement must enroll in a mathematics course or an appropriate prerequisite course and continue to do so every semester until the mathematics requirement is met. A waiver may be granted for continuous enrollment if there are scheduling conflicts detrimental to the student's academic progress. Also see the Math Intensive Programs: Required Course Policy [4].

## First-Year Composition Requirement

Completion of both ENG 101 and ENG 102 or ENG 105 with a grade of "C" (2.00) or higher is required for graduation from ASU in any baccalaureate program. A student whose native language is not English may meet the first-year composition requirement by completing ENG 107 and 108 with a grade of " C " (2.00) or higher. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

## Transfer Credit

Composition courses transferred from other post-secondary institutions may require evaluation. After consultation with an advisor, if evaluation is necessary, the student should submit a request for evaluation through the ASU Transfer Credit Guide [5]. The process should be completed upon transfer of coursework to ASU so the student is able to enroll in additional courses if required to do so. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

## Resident Credit Requirement

Resident credit refers to a course that is offered in a regular semester, winter session (prior to 2011-2012), intersession or summer session. Credit earned through comprehensive examinations is also included when calculating ASU resident hours. Credit earned through independent learning, advanced placement, the College-Level Examination Program or an International Baccalaureate diploma/certificate are excluded when calculating ASU resident hours.
Every candidate for the baccalaureate degree is required to earn a minimum of 30 credit hours in resident-credit courses at ASU.

## Guidelines for Determination of Catalog Year

The catalog is published annually. Department, school, division, college and university requirements may change and are upgraded often. In determining graduation requirements, an undergraduate student may use only one edition of the catalog but may elect to follow any later catalog edition under which the student attends. Students may not use an edition of the catalog that was in effect before their high school graduation or completion of GED. Students maintaining continuous enrollment at any Arizona community college or public university may graduate according to the requirements of the catalog in effect at the time of initial enrollment following high school graduation or completion of a GED or according to the requirements of any single catalog in effect during subsequent terms of continuous enrollment. Students may maintain continuous enrollment while pursuing their degrees, whether attending a single Arizona community college or public university or transferring among public institutions in Arizona. Students transferring among Arizona public higher education institutions must meet the admission, residency and all curricular and academic requirements of the degreegranting institution.

1. A semester in which a student earns course credit is counted toward continuous enrollment. Noncredit courses, audited courses, failed courses or courses from which the student withdraws do not count toward the determination of continuous enrollment for catalog purposes. See examples $A$ and $B$ in the continuous enrollment table below.
2. Students who do not meet the minimum enrollment standard stipulated above during three consecutive semesters (fall/spring/fall or spring/fall/spring) and the intervening summer term at any Arizona community college or public university are no longer considered continuously enrolled. (Students are not obligated to enroll and earn course credit during summer terms, but summer enrollment may be used to maintain continuous enrollment status.) These students must meet requirements of the Arizona community college or public university catalog in effect at the time they are readmitted or of any single catalog in effect during subsequent terms of continuous enrollment after readmission. See examples C and D in the continuous enrollment table below.
3. Students admitted or readmitted to an Arizona community college or public university during a summer term must follow the requirements of the catalog in effect the following fall semester or of any single catalog in effect during subsequent terms of continuous enrollment. See example E in the continuous enrollment table below.
4. In areas of study in which the subject matter changes rapidly, material in courses taken long before graduation may become obsolete or irrelevant.
5. Coursework that is more than eight years old is applicable to completion of degree requirements at the discretion of the student's major department. Departments may accept such coursework, reject it or request that the student revalidate its substance. The eight-year limit on coursework applies except when program accreditation agencies limit the life of coursework to fewer than eight years. Departments may also require students to satisfy current major requirements rather than major requirements in earlier catalogs when completing earlier requirements is no longer possible or educationally sound.
6. Enrollment by Arizona community college students in nontransferable courses still constitutes enrollment for purposes of determining whether the student has been continuously enrolled. For example, if a student takes two semesters of cooperative education classes that are not transferable to the university but constitute continuous enrollment at the community college, the university should consider it continuous enrollment.
7. Exceptions made by an institution apply only to the institution that made the exception. For example, if the community college departments accepted credit that was more than eight years old, the university department to which the student transfers might not; it has the right and the obligation to reevaluate any credit more than eight years old.
Inquiries about these guidelines may be directed to the student's academic advisor.

## Continuous Enrollment

| Student's Activity | Semester/Year | Status |
| :--- | :--- | :--- |
| Example A |  |  |
| Admitted and earned course credit at an Arizona <br> community college | Fall 2011 | Active |
| Continued at an Arizona community college | Spring 2012 <br> Fall 2012 | Active |
| Transferred to an Arizona university | Spring 2013 | Student enrolled under 2011-2012 or any <br> subsequent catalog |
| Example B | Fall 2013 | Active |
| Admitted and earned course credit at an Arizona <br> community college | Spring 2014 | Inactive |
| Enrolled but earned all "W"s or "E"s (0.00) | Fall 2014 | Inactive |
| Enrolled in audit courses only | Spring 2015 | Inactive |
| Nonattendance | Fall 2015 | Student enrolled under 2015-2016 or any <br> subsequent catalog |
| Transferred to an Arizona university |  |  |

## Example C

Admitted and earned course credit at an Arizona community college

Nonattendance
Fall $2009 \quad$ Active

Spring 2010 Inactive
Fall 2010
Spring 2011

Readmitted and earned course credit at an Arizona community college

Transferred to an Arizona university
Fall 2011

Spring 2012 Student enrolled under 2011-2012 or any subsequent catalog

## Example D

Admitted and earned course credit at an Arizona community college

Fall $2010 \quad$ Active

| Nonattendance | Spring 2011 | Inactive |
| :--- | :--- | :--- |
| Readmitted and earned course credit at an Arizona <br> community college | Summer 2011 | Active |
| Nonattendance | Fall 2011 | Inactive |
| Transferred to an Arizona university | Spring 2012 |  |

## Example E

Admitted and earned course credit at an Arizona community college

Continued at an Arizona community college

Nonattendance

Readmitted and earned course credit at an Arizona community college

Transferred to an Arizona university

Summer 2014 Active

Fall 2014 Active

Spring 2015
Fall 2015 Inactive

Spring 2016 Active

Summer 2016 Student enrolled under 2014-2015 or any subsequent catalog

## Example F

Admitted and earned course credit at an Arizona
Summer 2014 Active university

Nonattendance

Nonattendance

Readmitted and earned course credit at an Arizona university

Continued at an Arizona community college
Spring 2016 Student enrolled under 2014-2015 or any subsequent catalog

## Application for Graduation

For information on how to apply for graduation and deadline dates, visit: https://students.asu.edu/graduation [6].

## Petition for Variance from Degree

Any student wishing to have a college or university degree requirement variance must petition the standards committee of the college in which the student is enrolled. All petitions must originate with the student's advisor.
The University Undergraduate Standards Committee advises the Office of the University Provost regarding undergraduate student petitions that concern university-wide academic requirements. These requirements include but are not limited to requirements on the amount of transfer credit, graduation requirements, limits on credit by examination and requirements for a second baccalaureate degree. To petition for a variance from such university requirements, the University Undergraduate Standards Committee petition is used. Most petitions heard by the University Undergraduate Standards Committee start at the college level and are forwarded for final review and decision to the university-level committee.

## Overview of Graduation Requirements

At ASU, students take classes that fulfill four types of requirements. As illustrated in the graduation requirements diagram below, some courses can fulfill two or more types of requirements but other courses fulfill only one requirement. The total credit hours needed to graduate are represented by the largest circle. The university minimum is 120 credit hours. Some majors, however, require more than 120 credit hours.

Although the three shaded circles in the illustration below are equal in size and the white circle is larger than all three, the total number of credit hours for each type of requirement may vary.


## University Requirements

The yellow circle represents university requirements. The General Studies requirement and first-year composition requirement are among these requirements.

## College Requirements

The gray circle represents college requirements. Some colleges and schools such as the College of Liberal Arts and Science have additional requirements.

## Major

The red circle represents the requirements of the major. The credit hours required for a major may be as low as 30 hours or as high as 65 hours.

## Electives/Minor/Certificate

The white circle represents electives and the requirements of a minor or certificate. A minor typically adds an additional 18 to 25 credit hours of course work. Although every student must eventually declare a major, minor and certificates are not required. Some courses, while providing credit hours toward graduation, fall outside the shaded circles and are not required in a program for graduation. These courses are electives. Some majors leave no room for electives within the minimum 120 credit hours required to graduate.

## Other Requirements

The separate units of ASU - such as colleges, schools and departments - have specific requirements for graduation that must be satisfied for a baccalaureate degree. Students are encouraged to consult with an academic advisor in planning a program to ensure it meets the various requirements. A well-planned program may enable a student to concurrently satisfy a portion of the General Studies requirement together with a portion of a college or major requirement.

## Graduation with Academic Recognition

An undergraduate student must have completed at least 56 credit hours of resident credit at ASU to qualify for graduation with academic recognition for a baccalaureate degree. Note: West campus students following a catalog year prior to fall 2007 are required to have completed at least 50 credit hours of resident credit at ASU.
The cumulative GPA determines the designation, as shown in the academic recognition table below.

## Academic Recognition



| $3.40-3.59$ | cum laude |
| :--- | :--- |
| $3.60-3.79$ | magna cum laude |
| $3.80-4.00$ | summa cum laude |

The cumulative GPA for these designations is based on ASU resident coursework only. For example, ASU independent learning course grades are not calculated in the honors GPA. All designations of graduation with academic recognition are indicated on the diploma and the ASU transcript. Graduation with academic recognition applies only to undergraduate degrees.

A student who has a baccalaureate degree from ASU and is pursuing a second baccalaureate degree at ASU (with a minimum of 30 hours of resident credit) is granted academic recognition on the second degree based on the credit hours earned subsequent to the posting of the first degree. If fewer than 56 credit hours are completed at ASU subsequent to completion of the first ASU degree, the level of academic recognition can be no higher than that obtained on the first degree. If 56 or more credit hours are completed at ASU after completion of the first ASU degree, the level of academic recognition is based on the GPA earned for the second ASU degree. Inquiries about graduation with academic recognition may be directed to the graduation office at 480-965-3256.

## Additional Degrees

## Second Baccalaureate Degree

The student seeking a second baccalaureate degree must meet admission criteria for that degree. After conferral of the first degree, a minimum of 30 credit hours in resident credit courses at ASU must be successfully completed to earn the second baccalaureate degree. The student must meet all degree and university requirements of the second degree.

Students who wish to use courses taken while in graduate nondegree status towards a second bachelor's degree may have up to 15 credit hours applied towards this degree.

## Concurrent Degrees

More than one baccalaureate degree may be pursued concurrently if prior approval is given by the standards committees of the colleges offering the degrees. Students may receive concurrent degrees if they meet the minimum requirements for both degrees. For additional information, please see the glossary description found here [7].

## eAdvisor and Critical Requirements

eAdvisor [8] ensures that students get off to a good start and stay on track toward graduation by helping them find a major that fits their talents and career goals and then monitors progress. Students use eAdvisor to:

1. learn more about graduation requirements for their major
2. discern the critical courses and grades that are required to stay on track to successfully complete their degree
3. plan for and schedule appropriate courses in the correct sequence to maximize success
4. monitor progress toward their degree
5. find out how courses may fit into other majors if they decide to change majors

Through eAdvisor, students follow a major map that outlines the critical requirements and optimal eight-semester plan. If students do not meet the critical requirements, an advising hold may be placed on the students' records, and an advising session is required before future registration activities can take place. When students do not meet the critical requirements for two consecutive semesters, they are considered off track and may be advised to change majors.

## Math-Intensive Programs: Required Course Policy

ASU undergraduate degree programs are categorized in the area of math intensity [9] as either general, moderate or substantial based on the number and type of required math courses. Students enrolled in a degree program categorized as substantial in math intensity who receive a failing grade of " $E$ " twice in the same required math course may be required to change their major to a major categorized as general or moderate. This policy is applicable even if the required math course is not marked as critical through the eAdvisor Tracking Tool.

Source URL: https://catalog.asu.edu/undergraduatereq [1]

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2840/body?destination=print/2840
[2] https://catalog.asu.edu/ug_gsr
[3] https://aztransfer.com/
[4] https://catalog.asu.edu/undergraduatereq\#mathintensity
[5] https://webapp4.asu.edu/transfercreditguide/app/home
[6] https://students.asu.edu/graduation
[7] https://catalog.asu.edu/glossary\#concurrent
[8] https://eadvisor.asu.edu/
[9] https://catalog.asu.edu/mathintensity

# graduate policies and <br> procedures 



## Arizona State University Arizona State University <br> Graduate Policies and Procedures

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## Introduction

The Graduate College office admits students into programs leading to both professional and research-oriented advanced degrees and certificates beyond the bachelor's degree. The master's and doctoral degrees are awarded to students completing programs that culminate in research and creative endeavors. The PhD degree is the highest university award, conferred on candidates who have proven their ability as scholars and original researchers.

## Academic Integrity

The highest standards of academic integrity and compliance with the university's Student Code of Conduct are expected of all graduate students in academic coursework and research activities. The failure of any graduate student to uphold these standards may result in serious consequences including suspension or expulsion from the university and/or other sanctions as specified in the academic integrity policies of individual colleges as well as the university.

Violations of academic integrity include, but are not limited to: cheating, fabrication of data, tampering, plagiarism, or aiding and/or facilitating such activities. At the graduate level, it is expected that students are familiar with these issues and that each student assumes personal responsibility in their work.

## Graduate Student Responsibilities

Graduate students are responsible for familiarizing themselves with all university and graduate policies and procedures. Each student should also communicate directly with his/her academic unit to be clear on its expectations for degree completion.

Information is provided to students via MyASU. Students should frequently check their MyASU account for the most up-to-date information regarding their status, holds, items to attend to and other important information.

It is very important that students check with their thesis/dissertation advisor well in advance of data collection to ensure compliance with university regulations regarding the collection of research data. Please see the section of this guide titled "Research Involving Human and Animal Subjects."

## Application

## Submission of an Application

For admission information and procedures, see students.asu.edu/graduate. Applications for all graduate degree programs, certificate programs, and/or non-degree must be submitted via the students.asu.edu/graduate/apply.

Prior to submitting an application to the Graduate College office, applicants should review information regarding the degree program, and academic unit application requirements and deadlines. Students who have a Graduate College approved Request to Maintain Continuous Enrollment on file with the Graduate College office prior to their semester of non-registration and are re-entering the same degree program for the semester immediately following the approved Request, are not required to submit a new application.

## Application Deadlines

Application deadlines are set by the degree programs. Consult the program's website or the Graduate Degree and Certificate Search tool for specific application deadlines.

Graduate Admission Services may differ from those of the academic unit. To accommodate timely processing, international applicants for fall enrollment must submit application materials by the previous December. Not all academic units accept applications for both the fall and spring semesters; however, if the academic unit allows for spring applications, international applicants must submit materials for spring enrollment by the previous August.
*Please note that international students must apply to Sessions A or C only (Session B is not available to international students due to visa requirements).

## Application Fee

Each application to an ASU graduate program must be accompanied by a non-refundable application fee, payable by credit card at the time of submission. The application fee covers Graduate College administrative costs of processing all applications and is not refundable under any circumstance.

人 Domestic application fee: \$70;
人 International application fee $\$ 90$.
In addition to the normal application fee, a $\$ 50$ non-refundable late processing fee will be assessed for all applications submitted on or after the dates indicated previously.

Applicants receive an email acknowledgement once the application has been successfully submitted. The acknowledgement includes an ASURITE ID and activation code so that students may follow the progress of their application through MyASU. Applicants should review MyASU to monitor their application status, "To Do" items and "Holds".

## Application Requirements

Applicants must submit official transcripts from all post-secondary institutions previously attended to the Graduate College office (see students.asu.edu/graduate/standards). Academic units may have admission requirements in addition to those of the Graduate Admission Services. Many graduate programs require scores from a national admissions test such as the Graduate Record Examination (GRE), Graduate Management Admission Test (GMAT), or the Miller Analogies Test. Some programs require a portfolio, letters of recommendation, a statement of goals and/or a resume. Applicants should consult the academic unit regarding program admission requirements prior to submitting an online application.

All documents received by Graduate Admission Services in connection with an application become property of the ASU Graduate College office and will not be returned.

## Academic Credentials

Applicants who attended school in the United States must hold a bachelor's degree or higher from a regionally accredited U.S. institution in order to be eligible for admission. Applicants are required to provide proof that a bachelor's or graduate degree was awarded before completion of their first semester of graduate studies at ASU.

Applicants who attended school outside of the U.S. must hold a bachelor's or graduate degree, or equivalent, from an institution that is officially recognized by that country. If original credentials are issued in a language other than English, applicants must provide the original language transcripts as well as an official and literal translation. Applicants are required to provide proof that a bachelor's or graduate degree was awarded before completion of their first semester of graduate studies at ASU.

Photocopied documents certified by a notary public are not official. For more information regarding official academic credentials see students.asu.edu/graduate. For additional information regarding official international academic credentials see students.asu.edu/graduate/apply.

Applicants must have maintained a minimum grade point average of 3.0 (on a 4.0 scale) in the last 60 semester hours or 90 quarter hours of undergraduate coursework.

Applicants should contact the degree program for specific additional requirements. Degree programs will submit a recommendation to the Dean for Graduate College regarding their willingness to admit an applicant.

Because ASU receives applications from many highly qualified students, some applicants may be denied admission for reasons not related to their academic performance. Examples include, but are not limited to: program capacity, mentor availability, and/or program match.

## Additional International Requirements

## International Applicants

Please consult the Graduate Admission Services websites at students.asu.edu/graduate, and students.asu.edu/international/immigration for complete information.

Applicants who will hold an F-1 or J-1 visa must:

1. Meet the regulations of the U.S. Immigration and Customs Enforcement (ICE) agency.
2. Obtain insurance coverage against illness and accident before being permitted to register for classes. Insurance must be maintained throughout the student's enrollment at the university.
3. Submit proof of English proficiency.
4. Submit additional materials as outlined on the Graduate Admission Services website at students.asu.edu/graduate/apply.
5. Verify that they have the financial resources to cover their expenses during graduate study at ASU. The Financial Guarantee form is available through the Graduate Education website at students.asu.edu/graduate. In addition to the Financial Guarantee form, if ASU is providing an assistantship, an official offer letter must be sent to the Graduate College office. Similarly, if a governmental entity is funding the student, an official letter from the government must be submitted to the Graduate College in addition to the Financial Guarantee form.

The I-20 or the DS-2019 (documents needed to obtain a student visa) is issued only after the completed and properly verified Financial Guarantee form, proof of English proficiency and supporting documents have been received by the office of Graduate Admission Services. International students may enroll at ASU only if they have been admitted to a degree program, a certificate program, or the post-baccalaureate teacher education program. Immediately upon arrival on campus, students must report to an advisor in the International Student and Scholars Center (ISSC). Failure to report may result in loss of status or deportation.

Applicants residing in the U.S. on a valid visa must provide proof of a current visa. Enlarge image and fax the copy to 480-965-5158.

## English Language Requirement

Applicants from a country whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. The English language requirement cannot be waived. Acceptable proof is as follows:

人 TOEFL score of at least 550 （PBT）or 80 （iBT）．The TOEFL is administered by TOEFL／TSE Services．ASU＇s institutional code is 4007 ．ASU accepts only electronic copies of the TOEFL score report．

人 IELTS overall band score of at least 6.5 with no band below 6．0．The IELTS is administered by the University of Cambridge．No institutional code is needed．

人 Pearson Test of English（PTE）score of at least 60．The PTE is administered by Pearson．

Individual academic units may have higher requirements for English proficiency．Consult the academic unit＇s website．English proficiency is only valid for two years and must be taken within two years from the beginning of the semester for which the student applied．

Some applicants are exempt from the English proficiency requirement．The following exceptions must be met exactly to be considered for an exemption：

人 Applicants who have earned a bachelor＇s degree or higher in residence from a regionally accredited college／university in the United States．
人 Applicants who have completed at least 12 semester hours of graduate coursework with a cumulative GPA of 3.0 （on a 4.0 scale）or higher in residence at a regionally accredited college／university in the United States．

人 Applicants who have completed at least 90 semester hours of undergraduate coursework with a cumulative GPA of 3.0 （on a 4.0 scale）or higher in residence at a regionally accredited college／university in the United States．

A Applicants who have completed the American English and Culture Program（AECP）Advanced Level II with grades of＂B＂or better along with the recommendation of the Director of AECP．

All international applicants who are from a country whose native language is not English and who wish to apply for teaching assistantships must pass an examination that certifies their skill in speaking English—either the Interview Test，or the Speaking Proficiency English Assessment Kit（SPEAK）test．Tests are administered at ASU； additional information may be found at global．asu．edu／aecp／ita．

## Post－Baccalaureate Non－Degree Programs

Applicants who do not immediately intend to pursue a graduate degree may apply as a post－baccalaureate students．asu．edu／graduate／nondegree．The application process does not require the submission of academic credentials or test scores．

Non－degree applicants must have earned a bachelor＇s degree or higher from a U．S．regionally accredited institution or the equivalent of a U．S．bachelor＇s or graduate degree from an international institution that is officially recognized by that country．

There is no limit to the total cumulative credit hours a student can take as a non－degree student．However，to apply the credit hours toward an ASU master＇s or doctoral degree，students are limited to twelve credit hours taken within three years of admission prior to admission to the degree program．

Non－degree study may be restricted by certain academic units．Contact the degree program for restriction information．

Financial aid is not available to non－degree students．
Non－degree study is typically not available to international students on F－1 or J－1 visas．For exceptions，prior to applying，you must obtain written approval from your Designated School Official（DSO）granting permission for you to take classes．

## After Applying

After an application has been successfully submitted，applicants receive an email acknowledgement that includes an ASURITE ID and activation code．Applicants should review MyASU to check on the application status， ＂To Do＂items and＂Holds＂．

## Admission

A minimum grade point average of 3.0 （on a 4.0 scale）in the last 60 semester hours or 90 quarter hours of undergraduate coursework is required to be considered for admission to an ASU graduate degree program．

Academic units submit recommendations regarding admission decisions to the office for Graduate Admission Services；only the Dean for Graduate College can make formal offers of admission．

Applicants monitor the status of their application through MyASU．If admitted，the formal letter of admission can be downloaded from MyASU．If denied admission，letters are sent via email to the address on record．

## Admission Types

人 Regular Admission：Applicant satisfies all requirements for admission and is academically acceptable to both the degree program and the Graduate College office．

人 Provisional Admission：Applicant does not meet minimum academic standards with respect to grade point averages as required by Graduate College and the academic unit，but has additional evidence to suggest the potential for success．This status provides the academic unit with an opportunity to better evaluate the student＇s academic potential．Students have a maximum of one academic year to satisfy the provisional condition．Graduate Admission Services will withdraw students from the degree program who have not met the provisions of their admission within the required timeframe．When students have satisfied the provisional requirements，they should confirm with the academic unit that a change of status has been recommended．Students with Provisional Admission are not eligible to submit a Plan of Study until the conditions of admission have been satisfied．

人 Regular Admission with Deficiencies：Applicant＇s grades and test scores are at an acceptable level but applicant does not have the academic background expected by the degree program and the university． Required deficiency courses may not be applied toward the minimum hours required for the degree program．Monitoring deficiency completion is the responsibility of the academic unit．

## Defer Admission

Students may，with the recommendation of the degree program，defer their initial semester and year of admission to the next semester for which the degree program is admitting students．No further deferrals are allowed．

## International Student Admission

International students planning to attend ASU on an F－1 student visa or a J－1 exchange visitor visa must provide documentation required by the United States Citizenship and Immigration Services．Visa documents are only issued for international students enrolled in a degree program or the post baccalaureate teacher education program．There are strict regulations regarding when an I－20 or DS－2019 can be issued．Detailed information may be found at：students．asu．edu／international／immigration．

## Registration and Enrollment

All students are required to have proof of measles immunizations on file with Student Health prior to registration.

Graduate students register through MyASU according to their enrollment appointment. Details regarding registration and course drop/add procedures are provided in the Registration and Tuition Payment Guide.

## Enrollment Verification Guidelines

The University's Registrar's Office will verify student enrollment each semester according to the general guidelines that follow.

## Enrollment Verification Guidelines for Graduate Students

|  |  |  | Full Time* | Half Time |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |
|  |  |  | Less Than Half Time |  |
| Regular Semester |  |  |  |  |
| Graduate | 9 or more hours | $5-8$ hours | 4 or fewer hours |  |
| Graduate Assistant** | 6 or more hours | -- | -- |  |
| Six-Week Summer Sessions |  |  |  |  |
| Graduate | 3 or more hours | 2 hours | 1 hour |  |
| Graduate Assistant** | 2 or more hours | 1 hour | -- |  |
| Eight-Week Summer Session |  |  |  |  |
| Graduate | 5 or more hours | $3-4$ hours | 2 or fewer hours |  |

*Audited courses do not count toward full-time enrollment
**For enrollment verification purposes, "Graduate Assistant" is a generic term that includes Teaching Assistants, Research Assistants, Teaching Associates and Research Associates. Academic units may have specific requirements regarding registration requirements for Graduate Assistants; students should consult with their degree program unit.

International F-1 and J-1 students are required to maintain full-time enrollment status. Any exception to fulltime enrollment must be previously approved by the International Student and Scholars Center (ISSC).

## Maximum Course Load

The office for Graduate Admission Services does not have a maximum credit hour enrollment policy. It is expected that academic units will set course loads for their students that facilitate academic success.

## Continuous Enrollment

Once admitted to a graduate degree program or graduate certificate program, students must be registered for a minimum of one credit hour during all phases of their graduate education, including the term in which they graduate. This includes periods when students are engaged in research, conducting a doctoral prospectus, working on or defending theses or dissertations, taking comprehensive examinations, taking Graduate Foreign Language Examinations, or in any other way utilizing university resources, facilities or faculty time.

Registration for every fall semester and spring semester is required. Summer registration is required for students taking examinations, completing culminating experiences, conducting a doctoral prospectus, defending theses or dissertations, or graduating from the degree program.

To maintain continuous enrollment，the credit hour（s）must：
人 Appear on the student＇s Plan of Study，OR
人 Be research（592，792），thesis（599），dissertation（799），or continuing registration（595，695，795），OR
人 Be a graduate－level course．
Grades of＂ W ＂and／or＂ X ＂are not considered valid registration for continuous enrollment purposes．＂ W ＂grades are received when students officially withdraw from a course after the drop／add period．＂$X$＂grades are received for audit courses．Additionally，students completing work for a course in which they received a grade of＂ I ＂must maintain continuous enrollment as defined previously．Graduate students have one year to complete work for an incomplete grade；if the work is not complete and the grade changed within one year，the＂ 1 ＂grade becomes permanent．Additional information regarding incomplete grades can be found at asu．edu／aad／manuals／ssm／ssm203－09．html．

## Graduate Assistantships

All Graduate Teaching Assistants and Associates（TAs），and Graduate Research Assistants and Associates（RAs） must register for a minimum of six semester hours of appropriate credit during each academic term of their appointment．The six hours cannot include audit enrollment．Academic units may have specific requirements regarding Graduate Assistants；students should consult with their degree program unit．

TAs and RAs are treated as residents for tuition purposes．To be eligible for tuition remission，TAs and RAs must be employed a minimum of 10 hours per week（ 25 percent Full Time Equivalency \｛FTE\}). TAs/RAs working 10-19 hours per week（ $25-49$ percent FTE）receive a 50 percent remission of tuition for the semester or summer session of their employment．TAs／RAs working 20 hours per week（ 50 percent FTE）do not pay tuition during the semester or summer session of their employment．In addition，the university pays the individual health insurance premium for those TAs and RAs working 20 hours per week（ 50 percent FTE）．

Due to federal regulations，international students on $\mathrm{F}-1$ and $\mathrm{J}-1$ visas are allowed to work a maximum of 20 hours per week while school is in session（fall and spring semesters）．International students are allowed to work 40 hours per week during summer sessions．International students typically are not allowed to seek employment outside the university；students must consult with the International Student and Scholars Center （ISSC）．

Detailed information and application procedures regarding Graduate Assistantships can be found at graduate．asu．edu／financing／tara．

## Request to Maintain Continuous Enrollment

Graduate students planning to discontinue registration for a semester or more must submit a Request to Maintain Continuous Enrollment form．This request must be submitted and approved before the anticipated semester of non－registration．Students may request to maintain continuous enrollment without course registration for a maximum of two semesters during their entire program．

Having an approved Request to Maintain Continuous Enrollment by the Graduate College will enable students to re－enter their program without re－applying to the university．Students who do not register for a fall or spring semester without an approved Request are considered withdrawn from the university under the assumption that they have decided to discontinue their program．Students removed for this reason may reapply for admission to resume their degree program；the application will be considered along with all other new applications to the degree program．

A student with a Graduate College approved Request to Maintain Continuous Enrollment is not required to pay tuition and/or fees, but in turn is not permitted to place any demands on university faculty or use any university resources. These resources include university libraries, laboratories, recreation facilities or faculty time.

## Voluntary Withdrawal from ASU

If a student wishes to withdraw from his/her graduate degree program and the university, they must complete the Voluntary Withdrawal form. Students must separately complete the appropriate forms with the University Registrar to withdraw from their courses. International students should contact the International Student and Scholars Center (ISSC) before submitting a Voluntary Withdrawal form, as it most likely will affect their visa status.

## Voluntary Withdrawal from a Graduate Degree Program

If a student wishes to transition from one graduate degree program to another graduate degree program, the student should complete the Voluntary Withdrawal form. The student should not take this action until they have been admitted to the other graduate degree program.

## Other Types of Withdrawal

There are appropriate circumstances when students may need to withdraw from the university (i.e. medical withdrawal, compassionate leave). The policies for such withdrawals are the same for both undergraduate and graduate students. Types of withdrawals and procedures can be found at: students.asu.edu/drop-add. For course withdrawals contact the University Registrar's Office.

## Involuntary Withdrawal by the Graduate College office

Any student who does not comply with Graduate College policies may be withdrawn from their graduate program after review by the Dean for Graduate College.

In addition, an academic unit may recommend withdrawal of a student from a graduate program for lack of compliance with published departmental policies or lack of satisfactory academic progress. All such recommendations must be submitted to the Graduate Education office with appropriate documentation (e.g., nature of issue, communications with student). Only the Dean of the Graduate College may withdraw a student from a graduate program due to lack of compliance with satisfactory academic progress policies.

A student who has been withdrawn from a graduate program due to lack of compliance with published departmental or Graduate College policies, or lack of satisfactory academic progress is eligible to apply for admission to the same program only after one year has passed from the term of the withdrawal.

## Grade Point Averages

Graduate students must maintain a minimum 3.00 grade point average (GPA) to maintain satisfactory academic progress and to graduate. The minimum 3.00 GPA must be maintained on all GPA's (Plan of Study (iPOS) GPA, Overall Graduate GPA, and Cumulative GPA).

人 The iPOS GPA is calculated on all courses that appear on the student's approved iPOS.
人 The Cumulative ASU GPA represents all courses completed at ASU during the graduate career.
ג The Overall Graduate GPA is calculated on all courses numbered 500 or higher that appear on the transcript, with the exception of:

- Courses counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved bachelor's/master's degree program);
- Courses identified as deficiencies in the original letter of admission.

Transfer credits and some courses taken in the Sandra Day O'Connor College of Law are not calculated on the iPOS GPA or the Graduate GPA.

Courses with grades of "D" (1.00) and "E" (0.00) cannot appear on the iPOS but will be included when calculating the Graduate GPA. Courses with an "I" grade cannot appear on the iPOS.

## Satisfactory Academic Progress

GPA (Grade Point Average) Graduate students must maintain a minimum 3.00 grade point average (GPA) to maintain satisfactory academic progress and to graduate. The minimum 3.00 GPA must be maintained on all GPA's (Plan of Study (iPOS) GPA, Overall Graduate GPA and Cumulative GPA)

1. The iPOS GPA is calculated on all courses that appear on the student's approved iPOS (with the exception of LAW and Transfer credits)
2. Cumulative ASU GPA represents all courses completed at ASU during the graduate career.
3. The Overall Graduate GPA is based on all courses numbered 500 or higher that appear on the transcript after admission to a graduate program or graduate non-degree. This includes shared coursework if in an approved accelerated bachelor's/master's program.

Courses with grades of " $D$ " (1.00) and " $E$ " (0.00) cannot appear on the iPOS but will be included when calculating the Graduate GPA. Courses with an "I" grade cannot appear on the iPOS.

All graduate students are expected to make systematic progress toward completion of their degree. This progress includes satisfying the conditions listed below, and achieving the benchmarks and requirements set by the individual degree programs as well as the Graduate College. If a student fails to satisfy the requirements of their degree program and/or the benchmarks outlined below, the student may be dismissed from their program based on the academic unit's recommendation to Graduate Education at which time the Dean for the Graduate College makes the final determination.

These as well as all other Graduate College policies can be found in the ASU Graduate Policies and Procedures:

1. Maintain a minimum 3.0 for all GPA's.
2. Satisfy all requirements of the graduate degree program.
3. Satisfy the maximum time limit for graduation from the student's graduate degree program (six years for masters, ten years or five years from comprehensive exams (whichever comes first); for doctoral, see "Time to Degree" section.
4. Successfully pass comprehensive exams, qualifying exams, foreign language exams, and the oral defense of the proposal/prospectus for the thesis or dissertation.
5. Successfully complete the culminating experience.
6. Graduate students must remain continuously enrolled in their degree program. Failing to do so without a Graduate College approved request to Maintain Continuous Enrollment is considered to be lack of academic progress.

## Graduate Degree Requirements

## Determination of Academic Requirements

Students graduate under the degree requirements and policies in effect at the semester and year of admission to a graduate degree program. Students that fail to maintain continuous enrollment and are re-admitted to the degree program, graduate under the degree requirements and policies in effect at the time of the new admission date.

A minimum of 30 credit hours of graduate-level coursework including a culminating experience is required for a master's degree, although individual programs may have higher requirements. The culminating experience may be a comprehensive examination, a capstone course, an applied project, a portfolio, a thesis or equivalent.

Students that have a capstone course requirement must receive a grade of "B" or better. If a student fails to achieve a capstone final grade of " $B$ " or better, they must retake the course.

A minimum of 84 credit hours of graduate-level coursework and a written comprehensive examination are required for a doctoral degree, although individual programs may have higher requirements. Additionally, the Foreign Language Examination, oral comprehensive examination and/or dissertation or equivalent may be required. A written comprehensive examination and prospectus (research proposal) is required for all programs requiring a dissertation.

## The Plan of Study (iPOS)

The Plan of Study (iPOS) functions as a contract between the student, the academic unit, and the Graduate College office. The iPOS contains certain degree requirements such as coursework, a committee and a culminating experience which must be included before it can be approved. The academic unit's graduate support staff should be the primary contact regarding iPOS and degree requirements. The iPOS must be approved by a student's committee, the head of the academic unit, and the Dean of the Graduate College.

To facilitate degree completion and shorten time to degree, graduate students with regular status must submit their iPOS by the time they have enrolled for 50 percent of the minimum credit hours required for their degree program.

## Coursework

Graduate-level courses are those numbered 500 or higher. All core courses required by a graduate program must be at least 500-level. A maximum of 6 credit hours of 400-level coursework can be included on an iPOS. 400 -level courses taken prior to admission and 400-level courses graded as "Pass/Fail" are not acceptable.

Courses with grades of "D", "E", or "W" and audited courses (graded as "X") cannot be included on an iPOS.

## Courses applied to a previously awarded degree cannot be included on an iPOS.

Any course with a grade of Incomplete ("l") must be completed within one calendar year of the end of the scheduled course. If a regular grade is not assigned within the calendar year, the " $I$ " becomes permanent. The student will have to re-register for the course to receive credit. Additional information regarding incomplete grades may be found at asu.edu/aad/manuals/ssm/ssm203-09.html.

Graduate students may register to audit one or more courses with the approval of the supervisory committee chair and the consent of the instructor involved. An audited course does not count toward the minimum number of credits required for international students with visa restrictions, students employed as TA/RAs, or students receiving financial assistance. Courses taken for audit do not satisfy the Graduate College continuous enrollment policy. Undergraduate courses not included on the iPOS do not satisfy the Graduate College continuous enrollment policy.

Master's degree students whose culminating experience is a thesis must include 6 (and only 6) credit hours of 599 Thesis credits on the iPOS. Doctoral students whose culminating experience is a dissertation must include 12 (and only 12) credit hours of 799 Dissertation credits on the iPOS. Thesis and Dissertation credit hours may only receive grades of " $Z$ " (research is in progress), or " $\gamma$ " (research is satisfactorily complete). Doctoral students may apply 30 credit hours of appropriate coursework from a previously awarded master's degree toward their doctoral plan of study.

## Petitions

A formal request for an exception to any Graduate College policy requires a petition to be completed by the student, and approved by the committee chair and the head of the academic unit. The Graduate College office will review the petition and make a final determination.

## ASU Pre-Admission Credit

## Pre-Admission Credits

Credit hours completed at ASU or from another regionally accredited US institution or international institution officially recognized by that country, before the semester and year of admission to an ASU graduate degree program, are considered pre-admission credits. With the approval of the degree program and the Graduate College office, students may include a maximum of 12 graduate-level credit hours with grades of " $B$ " or better that were not used towards a previous degree. Preadmission credits must have been taken within three years of admission to the ASU degree program to be accepted.

Accelerated Bachelor's/Master's programs may use a maximum of 12 pre-admission credits which may include up to a maximum of 12 hours shared between the Bachelor's and Master's program. Students in accelerated programs should contact their advisor to ensure proper sharing of credit hours.

Official transcripts must be sent to Graduate Admission Services from the records office of the institution where the credits were earned.

Certain types of graduate credits cannot be transferred to ASU, including credits awarded:
人 By post-secondary institutions that lack candidate status or accreditation by a regional accrediting association, or an equivalent international institution.

人 For life experience.

人 For courses taken at non-collegiate institutions (e.g., government agencies, corporations, and industrial firms).
^ For courses, workshops, and seminars offered by other postsecondary institutions as part of continuing education programs.

人 For extension courses.
Academic credits earned at institutions other than ASU that base their credit calculation on a different scale from ASU's are subject to conversion before inclusion on a Plan of Study. In all cases, the inclusion of transfer courses on a Plan of Study is subject to approval by the degree program and the Dean of the Graduate College.

## Graduate Credits Earned by ASU Undergraduate Students

Pre-admission credit hours earned in graduate-level courses (per Graduate Education policy) by ASU undergraduate students may count toward a graduate degree at ASU provided the credit hours have not been used toward a previously awarded degree. Prior to awarding a bachelor's degree, ASU undergraduate students should contact their undergraduate advisor to set aside graduate courses for use toward a future graduate degree so that these courses do not count toward their undergraduate degree.

ASU students enrolled in an approved Bachelor's/Master's degree program (commonly referred to as $4+1$ ), may share ASU credit hours. Students must contact their ASU undergraduate advisor and graduate support staff to ensure proper sharing of credit hours. Students must successfully complete the undergraduate degree and be admitted to the respective graduate program prior to completing 12 credits of graduate coursework.

An undergraduate degree and a graduate degree may not be awarded during the same term of enrollment. Students must apply, be admitted and registered as a graduate student to earn a master's or doctoral degree at ASU.

## Sandra Day 0'Connor College of Law Credit

The Graduate Education office accepts a numerical grade of 70 or above for courses taken in the ASU Sandra Day O'Connor College of Law as part of an approved Plan of Study. These grades are not used in the two GPAs calculated for graduation unless needed, as determined by the Graduate College. The Sandra Day O'Connor College of Law also utilizes a letter grade system for coursework; letter grades are submitted as part of an approved Plan of Study and are calculated in the GPAs.

## Repeating ASU Courses

Graduate students (degree or non-degree) may retake any course at ASU; however, all grades are part of the student's permanent academic record and remain on the student transcript as well as in all GPA calculations.

## Graduate Foreign Language Examination (FLE)

A graduate degree program may require at least a reading level proficiency of a foreign language relevant to the student's area of study. Students who are required to demonstrate proficiency in a foreign language must pass the Graduate Foreign Language Examination specific to their particular graduate program. Students must be enrolled for a minimum of one credit hour during the term in which they take the examination.

Students must successfully complete the Foreign Language Examination before taking any required comprehensive examinations or scheduling the final oral defense of the thesis or dissertation. A student may submit a petition to the Graduate Education office for a re-examination but must pass the examination in no more than three attempts.

## Master＇s Degree Plan of Study（iPOS）

Students must submit an iPOS before completing 50 percent of the credit hours required for their degree program．A student is not eligible to schedule a comprehensive examination or defense without an approved iPOS．

## Master＇s Degree Minimum Credit Hours

A minimum of 30 semester hours of graduate work is required for the master＇s degree at ASU．If a thesis is required， 6 （and only 6）of the minimum required credit hours on an iPOS must be 599 Thesis credits．Plans of Study submitted for master＇s degrees that do not have a thesis requirement cannot include 599 Thesis credits．If an applied project is required，the Applied Project course（XXX 593）must be included on the Plan of Study and requires a grade of＂B＂or better．

## Master＇s Degree Maximum Time Limit

All work toward a master＇s degree must be completed within six consecutive years．The six years begins with the semester and year of admission to the program．Graduate courses taken prior to admission that are included on the Plan of Study must have been completed within three years of the semester and year of admission to the program．

## Master＇s Degree Supervisory Committee

A master＇s supervisory committee must be appointed before the student may apply for the comprehensive examination or before the student can register for 599 Thesis credits（if applicable）．The committee is appointed by the Dean of the Graduate College upon the recommendation of the head of the academic unit．For programs requiring a thesis or written examination，the supervisory committee is comprised of a minimum of three members，including a chair or co－chairs．

Tenured／tenure－track faculty may serve as members of a master＇s graduate supervisory committee，chair or co－chair．The chair of the committee is typically from the student＇s degree program and should be carefully selected by the student to guide their work．ASU academic professionals or non－tenure accruing faculty with appropriate academic credentials may serve as a member or co－chair on master＇s committees；they may not serve as chair of a master＇s supervisory committee．

## Master＇s Thesis／Thesis Defense

Students must be in good academic standing regarding GPA requirements（see previous section titled ＂Satisfactory Academic Progress＂（pg．11））prior to scheduling a defense．

To satisfy the research requirement for master＇s degrees，a student is expected to present a thesis that is defended in an oral examination．Degree programs may have requirements in addition to the thesis（e．g． comprehensive examinations）．Students should check with their degree program to confirm requirements．An oral defense of the thesis is required and must be completed to the satisfaction of the supervisory committee． At least $50 \%$ of the committee must be physically present at the oral defense．Students must be physically present at the oral defense of their thesis．Students must be registered for：

人 At least one semester hour of credit that appears on the Plan of Study；OR
人 At least one semester hour of appropriate graduate－level credit，for example：Research（592），Thesis （599），or Continuing Registration（595 or 695）；OR

人 At least one hour of a graduate－level course．

Revisions to the thesis are typical and must be completed in a timely manner. If the student is unable to complete revisions to the thesis and submit to UMI/ProQuest by the deadline for the semester in which the defense is held, the student must complete the revisions, remain continuously enrolled, and present the final document to UMI/ProQuest within one year of the defense. Failure to do so will require the re-submission of the document for format review and may result in re-defense of the thesis to ensure currency of the research.

## Other Master's Culminating Experiences

A comprehensive examination, capstone course, applied project or portfolio is required as a culminating experience in master's programs that do not have a thesis requirement. The Graduate College office requires a written component to the comprehensive examination; academic units may also require an oral component. Students must have an approved iPOS prior to scheduling their comprehensive examination and/or registering for their applied project or capstone course. An applied project requires registration in the Applied Projects course (XXX 593) and requires a grade of " $B$ " or better. A capstone course requires a grade of " $B$ " or better.

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress" pg. 11) in the semester of the culminating experience.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they complete their culminating experience.

## Master's Comprehensive Examination

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress") prior to taking master's comprehensive examinations. Foreign language requirements, if applicable, must be fulfilled before taking the comprehensive examinations.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they take their comprehensive examinations.

The master's comprehensive examination must have a written component; however, individual master's degree programs may require an additional oral component of the comprehensive exam for all of their students based on the academic progress policy of the program.

The student must schedule the comprehensive examination with their academic unit. All comprehensive examination results must be reported to the Graduate College office immediately upon completion. Academic units are not required to allow students a second opportunity; upon failing comprehensive examinations, academic units may submit a recommendation to the Graduate College requesting dismissal of the student from the degree program.

Failing the comprehensive examination(s) is considered final unless the supervisory committee and the head of the academic unit recommend and the Dean of the Graduate College approve a re-examination. Only one reexamination is permitted. A petition with substantial justification for re-examination, endorsed by the members of the student's supervisory committee and the head of the academic unit, must be approved by the Dean for the Graduate College before a student can take the examination a second time.

Re-examination may be administered no sooner than three months and no later than one year from the date of the original examination. The Graduate College office may withdraw a student from the degree program if the
student's petition for re-examination is not approved, or if the student fails to successfully pass the retake of the comprehensive examination(s).

Students choosing to appeal the results of their comprehensive examinations must follow the grade appeals process outlined by their academic unit.

## Doctorate Degree

## Doctoral Degree Plan of Study (iPOS)

Students must submit an iPOS before completing 50 percent of the credit hours required for their degree program. A student is not eligible to apply for the Foreign Language Examination (if applicable), comprehensive examinations, dissertation proposal/prospectus or dissertation defense (if applicable) without an approved iPOS.

## Doctoral Degree Minimum Credit Hours

A minimum of 84 semester hours of graduate work is required for the doctorate degree at ASU. If a dissertation is required, 12 (and only 12) of the minimum required credit hours on an iPOS must be 799 Dissertation credits. Plans of Study submitted for doctorate degrees that do not have a dissertation requirement cannot include 799 Dissertation credits. Students may apply 30 credit hours from a previously awarded master's degree toward their doctoral Plan of Study with approval of the degree program and the Dean of the Graduate College.

## Doctoral Degree Maximum Time Limit

Doctoral students must complete all program requirements within a ten-year period. The ten-year period begins with the semester and year of admission to the doctoral program. Graduate courses taken prior to admission that are included on the iPOS must have been completed within three years of the semester and year of admission to the program (previously awarded master's degrees used on the Plan of Study are exempt).

Any exception to the time limit policy must be approved by the supervisory committee, the head of the academic unit and the Dean of the Graduate College. The Graduate College may withdraw students who are unable to complete all degree requirements and graduate within the allowed maximum time limits.

## Doctoral Degree Supervisory Committee

Upon the recommendation of the head of the academic unit, the Dean of the Graduate College appoints the student's dissertation committee. The committee must be comprised of at least three members, including either a chair or co-chairs. Doctoral programs may have additional requirements for committee composition. This committee serves as the intellectual guide for the student and must approve the research/scholarly focus and substance of the dissertation. The members of the dissertation committee have the necessary knowledge and skills to advise the student during the formulation of the research topic and during the completion of the research and the dissertation.

Dissertation chairs and co-chairs must be approved by the Dean of the Graduate College and each degree program maintains the list of faculty approved by the office for the Graduate College. Most resident faculty at ASU may serve on dissertation committees with the proviso that they have appropriate expertise in the discipline.

All PhD programs have a Graduate Faculty. The Graduate Faculty in a PhD program may also include highly qualified individuals from outside the university who have been approved to serve on committees. Each PhD program maintains the list of faculty approved by the Graduate Education office to chair or co-chair PhD
dissertations．Additional information regarding ASU Graduate Faculty can be found at graduate．asu．edu／graduate＿faculty＿initiative．

Doctoral students（including PhD，DMA，DBH，DNP and EdD）are urged to communicate with their academic unit to confirm eligibility of faculty to chair doctorate committees．

The final committee membership must be appointed by the Dean of the Graduate College before the student may apply for comprehensive examinations，defend the dissertation prospectus，and register for 799 Dissertation course credits（if applicable）．

## Doctoral Comprehensive Examination

Students must be in good academic standing regarding GPA requirements（see previous section titled ＂Satisfactory Academic Progress＂pg．11）prior to taking doctoral comprehensive examinations．

When students have essentially completed the coursework on an approved iPOS，they must request permission to take the doctoral comprehensive examination．The doctoral comprehensive examination must have a written component；however individual doctoral programs may require an additional subsequent oral component of the comprehensive exam for all of their students based on the academic progress policy of the program．These examination（s）are designed to assess a student＇s mastery of the field of specialization．Doctoral comprehensive examination（s）are administered by a committee consisting of a minimum of three members．

Foreign language requirements，if applicable，must be satisfied before taking the comprehensive examination（s）． During the fall，spring or summer session that the student takes the comprehensive examination（s），they are required to register for：

人 At least one semester hour of credit that appears on the Plan of Study；OR
入 At least one semester hour of appropriate graduate－level credit，for example：Research（792）， Dissertation（799），or Continuing Registration（795）；OR

人 At least one hour of a graduate－level course．
All comprehensive examination results must be reported to the Graduate College office immediately upon completion．Academic units are not required to allow students a second opportunity；upon failing comprehensive examinations，academic units may submit a recommendation to the Graduate College requesting dismissal of the student from the degree program．

Failing the comprehensive examination（s）is considered final unless the supervisory committee and the head of the academic unit recommend and the Dean of the Graduate College approve a re－examination．Only one re－ examination is permitted．A petition with substantial justification for re－examination，endorsed by the members of the student＇s supervisory committee and the head of the academic unit，must be approved by the Dean of the Graduate College before a student can take the examination a second time．Re－examination may be administered no sooner than three months and no later than one year from the date of the original examination．The Graduate College may withdraw a student from the degree program if the student＇s petition for re－examination is not approved，or if the student fails to successfully pass the retake of the comprehensive examination（s）．

Students choosing to appeal the results of their comprehensive examinations must follow the grade appeals process outlined by their academic unit．

## Doctoral Prospectus Defense

All doctoral degree programs that require students to complete a dissertation must require students to complete a dissertation proposal／prospectus and submit the results to the Graduate College office．Failure of the doctoral dissertation prospectus oral defense is considered final unless the supervisory committee and the head of the academic unit recommend and the Dean of the Graduate College approve a second proposal defense．If a petition is approved，the student must submit the new prospectus by the end of six months（the six months begins from the date that the first doctoral dissertation proposal defense was held）．If the academic unit does not grant the student permission to retake the proposal defense，or if the student fails to pass the retake of the proposal defense，the Graduate College may withdraw the student from the degree program．

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate－level credit during the fall，spring or summer session in which they conduct their doctoral prospectus．

## Doctoral Candidacy

Doctoral students（with specific degree program exceptions approved by the Dean of the Graduate College） achieve candidacy status upon the successful completion of the comprehensive examination（s），the Foreign Language Examination（if applicable），and successfully defending the dissertation prospectus（if applicable）． Doctoral students who have been advanced to candidacy are required to maintain continuous enrollment until all degree requirements have been completed and the student graduated．

## Doctoral Dissertation／Dissertation Defense

Students must be in good academic standing regarding GPA requirements（see previous section titled ＂Satisfactory Academic Progress＂pg．11）prior to scheduling the defense．

The written doctoral dissertation is based on an original and substantial scholarly work that constitutes a significant contribution to knowledge in the student＇s discipline．The dissertation research must be conducted during the time of the student＇s doctoral studies at ASU，under guidance of ASU Graduate Faculty，and in accordance with the Graduate College policies and procedures．The composition of the dissertation is defined by the degree program with the approval of the Dean of the Graduate College．

The dissertation research experience culminates in a final oral exam，commonly known as the＂dissertation defense．＂A final public dissertation defense is required．At least $50 \%$ of the committee must be physically present at the oral defense．Students must be physically present at the oral defense of their dissertation．During the semester that the student defends the dissertation they are required to register for：

人 At least one semester hour of credit that appears on the Plan of Study；OR
人 At least one semester hour of appropriate graduate－level credit，for example：Research（792）， Dissertation（799），or Continuing Registration（795）；OR

人 At least one hour of a graduate－level course．
Revisions to the dissertation are typical and must be completed in a timely manner．If the student is unable to complete revisions to the thesis and submit to UMI／ProQuest by the deadline for the semester in which the defense is held，the student must complete the revisions，remain continuously enrolled，and present the final document to UMI／ProQuest within one year of the defense．Failure to do so will require the re－submission of the document for format review and may result in re－defense of the dissertation to ensure currency of the research．

## Graduate Certificates

The graduate certificate is a programmatic series of linked courses. Graduate certificates facilitate professional growth for people who already hold the baccalaureate degree. For more information on current graduate certificates see the Graduate Degree and Certificate Search page.

## Certificate Admission

All applications for graduate certificate programs must be submitted through asu.edu/gradapp.

## Certificate Requirements

A minimum of 15 semester hours of graduate work is required to complete a graduate certificate. No more than one-fifth ( 20 percent) of the minimum required credit hours for a graduate certificate may be transferred from another university. All transfer work must meet the Graduate College transfer policies. All coursework used to complete an ASU graduate certificate must be completed within a six-year time limit. Courses at a 400 -level may be allowed with prior approval from the appropriate certificate program; however, a minimum of two-thirds of the courses taken to complete the certificate must be at the 500 -level or above. No more than $40 \%$ of coursework towards the requirements of a graduate certificate can be completed prior to admission to the certificate program.

## Awarding of a Graduate Certificate

A student will be eligible for the official posting of the graduate certificate to their transcripts when all applicable coursework has been successfully completed and the Graduate College scholarship requirements have been met. Students must submit an iPOS for the graduate certificate program, and apply for graduation.

## Concurrent Master's Degrees

A student may pursue concurrent master's degrees with prior written approval from the head of the academic unit for each degree program and the Graduate College office. A separate online application is required for each degree program. A maximum of 20 percent of the minimum total semester hours for the completion of both degrees may be common hours shared between the Plans of Study. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College has formally approved coordinated degree programs.

Coursework common to both programs must constitute a well-planned and meaningful part of each of the programs and may only include coursework completed after admission to both degree programs. In all cases, the guidelines below must be followed:

1. The student must maintain continuous enrollment as previously defined. Registration in both programs may be required each semester, please see the academic unit for specific satisfactory academic progress and program rules. Requests to maintain continuous enrollment forms will apply to both programs; students may not be registered for coursework in either program if approved.
2. Graduate credit transferred from another institution may be applied toward only one-degree program.
3. Culminating experiences (e.g. capstone courses, theses, applied projects) and comprehensive examinations cannot be shared between concurrent degree programs.
4. The six-year maximum time limit for completing degree requirements and graduation apply to each concurrent degree individually.

## Concurrent Master's/Doctoral Degrees

A student may pursue concurrent masters/doctoral degrees provided the degree programs are in different areas with prior written approval from the head of the academic unit for each degree program and the Graduate College. A separate online application is required for each degree program. A maximum of 9 credit hours may be common hours shared between the Plans of Study.

Coursework common to both programs must constitute a well-planned and meaningful part of each of the programs and may only include coursework completed after admission to both degree programs. In all cases, the guidelines below must be followed:

1. The student must maintain continuous enrollment as previously defined. Registration in both programs may be required each semester, please see the academic unit for specific satisfactory academic progress and program rules. Requests to maintain continuous enrollment forms will apply to both programs; students may not be registered for coursework in either program if approved.
2. Graduate credit transferred from another institution may be applied toward only one-degree program.
3. Culminating experiences (e.g. capstone courses, theses, dissertations, applied projects) and comprehensive examinations cannot be shared between concurrent degree programs.
4. The maximum time limits for completing degree requirements and graduation apply to each concurrent degree individually (6 years for Master's; 10 years for doctoral).

## Concurrent Doctoral Degrees

A student may pursue concurrent doctoral degrees provided the degree programs are in different academic areas with prior written approval from the head of the academic unit for each degree program and the Graduate College office. A maximum of 12 credit hours may be common hours shared between the Plans of Study. In all cases, the guidelines below must be followed:

1. The student must maintain continuous enrollment as previously defined. Registration in both programs may be required each semester, please see the academic unit for specific satisfactory academic progress and program rules. Requests to maintain continuous enrollment forms will apply to both programs; students may not be registered for coursework in either program if approved.
2. The 30 hours allowed from a previously awarded master's degree may only be applied to one of the doctoral programs and graduate credit transferred from another institution may be applied toward only one-degree program.
3. The comprehensive examination, the dissertation prospectus, and the dissertation cannot be shared between concurrent degree programs.
4. The student must meet the 10-year maximum time limit for each degree.

## Master's in Passing (MIP)

In those cases, where there is an approved Master's in Passing (MIP) program in place for a doctoral degree, those doctoral students who complete the requirements of the approved MIP may be awarded the related master's degree. Students should check with their doctoral program to see if there is an approved Master's in Passing for their degree.

Students who include 30 hours from a previously awarded master's degree on their doctoral Plan of Study are not eligible for a Master's in Passing. All coursework included in an MIP Plan of Study must have been completed after the semester and year of admission to the doctoral program.

## Bachelor's/Master's Accelerated Programs

In a limited number of pre-approved programs, ASU will allow for the simultaneous pursuit of an undergraduate and graduate degree. In such cases, the program must be approved by the Dean of the Graduate College. The students must successfully complete the undergraduate degree and be admitted to the respective graduate program prior to completing 12 credits of graduate coursework. Students must contact their ASU undergraduate advisor and graduate support staff to ensure proper sharing of credit hours.

Students may not share any credit hours taken as an undergraduate student unless they have been formally admitted to an approved accelerated program.

## Research Considerations

The master's thesis and doctoral dissertation (or equivalent) must be based on original and independent research/creative activity conducted by the student, under the guidance of the graduate supervisory committee. The thesis is an introduction to scholarly writing and is intended to create an understanding of theory and methods applicable to one's field. The dissertation should demonstrate the candidate's mastery of research and scholarly methodologies, theory, and tools of the discipline. Both the thesis and dissertation should demonstrate the candidate's ability to address a major intellectual problem and to propose meaningful questions and hypotheses, as well as utilize the methods with which to study the proposed research question(s) and related hypotheses, and draw conclusions.

## Supervisory Committees

Students are guided by faculty mentors who advise them through their degree program. Students should identify their advisors early in their graduate career and look to them for guidance in their graduate work. Once the student has selected a thesis/dissertation committee, the head of the academic unit recommends the supervisory committee to the Dean of the Graduate College who reviews and appoints the Committee. Graduate supervisory committees must consist of a minimum of three individuals, including the chair or co-chairs.

Faculty Emeriti who meet the Graduate College criteria may serve as members or co-chairs on graduate supervisory committees. They may serve as chairs with the recommendation of the academic unit and approval of the Dean for Graduate Education on a case by case basis. Qualified individuals outside the university, upon the recommendation of the head of the academic unit and approval of the Graduate College, may serve as members of thesis and dissertation committees. All such requests must be submitted to the Dean for Graduate College for approval.

## Research Involving Human and Animal Subjects

Theses or dissertations that make use of research involving human or animal subjects must include a statement indicating that the research has been approved by the appropriate university body.

Research involving human subjects conducted under the auspices of Arizona State University is reviewed by the University Human Subjects Institutional Review Board (IRB) in compliance with federal regulations. Documents containing any data collection from human subjects require that applications be submitted to the ASU Office of Research Integrity and Assurance for approval before data collection or recruitment of subjects is initiated at researchintegrity.asu.edu/humans.

Research involving the use of animals conducted under the auspices of Arizona State University is reviewed by the Institutional Animal Care and Use Committee (IACUC) in compliance with federal regulations. Documents containing any data collection from animal research require that applications be submitted to ASU Office of Research Integrity and Assurance for approval at researchintegrity.asu.edu/animals.

It is very important that students check with their thesis/dissertation advisor well in advance of data collection to ensure compliance with university regulations regarding the collection of research data.

## Thesis/Dissertation Defenses

Thesis and dissertation defenses are open to all members of the university community and the general public. The oral defense engages the supervisory committee and the candidate in a critical and analytical discussion of the research and findings of the study, as well as a review of the contribution of the research topic to advancing knowledge in that discipline. The presentation of a thesis or dissertation defense in an open forum fosters a broader awareness of the state of graduate research at ASU, promotes a wider scholarly dialogue among disciplines, and recognizes publicly the scholarly contributions of master's or doctoral candidates.

Defenses must be scheduled through MyASU at least 10 working days in advance of the defense date. It is expected that oral defenses will be held on an ASU campus during regular business hours in order to facilitate student, faculty, and public accessibility. When there are sound educational reasons for holding a defense under different circumstances, contact the Graduate College for approval before scheduling the defense.

Students must be physically present at the oral defense of their thesis, dissertation or equivalent document. If, due to unforeseen circumstances, they cannot be physically present, then the oral defense must be rescheduled to another date when they can be physically present.

It is desirable that all members of a student's supervisory committee be physically present with the student at the final oral defense of a thesis or dissertation. However, there are situations (e.g. faculty travel, faculty emergencies and/or faculty leave) that may necessitate holding a defense with one or more committee member(s) absent. In all cases at least $50 \%$ of the committee must be physically present. If a committee member cannot physically attend, they can tele/video conference, or they can appoint a substitute to attend in their place. The substitute should be a regular faculty member with the academic unit. The supervisory committee chair must be physically present; if there are two co-chairs, one of them may tele/video conference if needed. In either case, please email grad-gps@asu.edu with the student's ID number and the name of the tele/videoconferencing member or with the names of the member who will be absent and the faculty member who will attend as a substitute. This information must be submitted before the defense.

## Degree Completion

The final culminating experiences for graduate degrees vary by program. In many master's degree programs a thesis is required, in other programs the culminating experience is an applied or professional project. In all PhD programs, as well as in most professional doctoral programs, dissertations are required. Theses and dissertations are officially documented and archived. Theses and dissertations are submitted to UMI/ProQuest, which makes their content available to the public. Information on the dissertation later appears in Dissertation Abstracts International. For this reason, all theses and dissertations must undergo Graduate College format review. The Dean of the Graduate College reviews the content to affirm the quality and originality of the scholarly work.

## Scheduling a Defense and Format Review

At least 10 working days prior to the planned defense of a thesis, dissertation or equivalent, students schedule the defense through their My ASU. See Graduation Deadlines. Students work with their supervisory committee and the academic unit's graduate support staff to identify a suitable date and reserve a room. When a defense date and location have been identified and the defense has been scheduled through My ASU, students submit a complete draft copy of the thesis/dissertation to be defended by uploading the document to the Graduate

College Dropbox link. The defense will be published on the Graduate College Master's/Doctoral Defense Schedule website that updates every Monday.

The Format Manual is a comprehensive guide to formatting a thesis, dissertation or equivalent document and it always overrides a Style Guide if the two conflict. Students must use the Format Manual to prepare their thesis/dissertation. Questions regarding the Format Manual requirements should be directed to gradformat@asu.edu.

The Graduate College's Formatting Tool uses the Format Manual guidelines to generate a template into which you insert your document's text. The formatting tool is designed to help students with the basic format requirements such as margins and spacing, and greatly improves the format review process for students.

## UMI/ProQuest Submission

Students are required to create a new user account specific to the submission of their document and must use their ASU email address. UMI/ProQuest requires all students to submit a PDF version of their final document. The ASU Graduate Education office requires that the PDF document is in compliance with the formatting standards presented in the format manual. Students will receive final format approval only after the submitted PDF document has successfully passed a format review. Students have an opportunity to order bound copies of their document for themselves through UMI/ProQuest.

## Graduation

Students must apply for graduation through MyASU in accordance with the University Registrar policies. See Application for Graduation. Students must meet all University and Graduate College degree requirements prior to the conferral of their degree.

The graduation deadlines and procedures are set by the Graduate College and are available online at graduate.asu.edu/progress/graduation_deadlines. Deadline dates vary slightly depending on the calendar year, so students should check them carefully in advance of the semester they plan to defend their thesis/dissertation. It is very important that students become familiar with these deadlines so that graduation can occur during the expected term.

## College Academic Policies

## W.P. Carey School of Business Policies

The W. P. Carey School of Business is one of the largest and highest-ranked business schools in the country, repeatedly lauded by publications like The Wall Street Journal, Financial Times, Princeton Review and U.S. News \& World Report. The school is internationally regarded for its leadership in business education, its research productivity and its distinguished faculty that includes a Nobel Prize winner. Students come from all over the world, and among them are dozens of National Merit Scholars.
The school's academic choices are as diverse as they are abundant. Undergraduates can earn a BS in one of nine business disciplines or a BA that combines core business classes with a concentration outside the W. P. Carey school. Its programs of study reflect and respond to the demands of business and industry today and beyond, and the school has dedicated career placement services. The school is located in the heart of the fast-growing Phoenix metropolitan area, which provides opportunities for internships, employment, and networking, and its classes are offered on ASU's Tempe, Polytechnic, West campuses as well as online.
More information is available at wpcarey.asu.edu [2].

## Academic Integrity

## Academic Dishonesty

The faculty of the W. P. Carey School of Business follow the guidelines on academic dishonesty in the ASU Student Academic Integrity Policy. A copy of the policy may be obtained online [3].
The W. P. Carey School of Business honor code may be found online [4]. Additional resources and information may be found at the W. P. Carey Academic Integrity website [5].

## Undergraduate Policies

## Academic Standing

## Probation

All business students, freshman through senior, must maintain a minimum 2.00 GPA for all courses completed at ASU in order to remain in academic good standing. If this standard is not maintained, the student is placed on university academic probation.

Students on university academic probation must see an advisor before further registration and must do one of the following:

1. raise their ASU cumulative GPA to 2.00 or more in order to return to academic good standing
2. obtain a semester GPA of 2.50 with no grade less than a " $C$ " in order to be granted one additional semester on continued college probation, and at the end of the continued college probation must return to academic good standing (with a minimum cumulative ASU GPA of 2.00 ) to avoid disqualification
W. P. Carey Continued Probation: If a student's ASU cumulative GPA is still less than 2.00 at the end of the probationary semester but the student has earned a semester GPA of 2.50 or greater with no grades less than " C ", the student will be placed on CONTINUED PROBATION in the subsequent semester. The student will then have only one more semester to raise the ASU cumulative GPA to 2.00 or greater.

ASU Continued Probation: If a student's ASU cumulative GPA is still less than 2.00 at the end of the probationary semester but the student has earned a semester GPA of 2.00 or greater with no grades less than " $C$ ", the student will be placed on CONTINUED PROBATION with ASU but will be INELIGIBLE to remain in W. P. Carey as a business student. The student will have to change to a major that is not offered through W. P. Carey.

## Disqualification

A student who does not meet college probation requirements is academically disqualified and is not allowed to register in a fall or spring semester at the university. If the student has already enrolled in a future fall or spring semester, the student will be dropped from those courses and the registration will be cancelled. Disqualified students may attend ASU during the summer session only immediately following the semester in which the student is disqualified.

A disqualified student must wait for one year to apply for readmission to ASU, and if the student intends to return to the W. P. Carey School of Business they may do so only after completing the following eight skill courses (or equivalent) with a minimum 3.00 GPA and with no grade less than "C": ACC 231/232, ACC 241/ 242, CIS 105, ECN 211, ECN 212, ECN 221, MAT 210, and MAT 211.

Disqualified students should contact their academic advisor immediately to determine what is needed to earn readmission to the university in the future.

## Advising

W. P. Carey offers undergraduate program academic advising at the Polytechnic, Tempe and West campuses. Students may find personalized advising information and may schedule appointments in advance through Advising SOS [6].

Students are encouraged to schedule appointments each semester to ensure they are making progress toward their degrees. Advising is required for:

- newly admitted students, prior to enrollment for the first term (at orientation)
- freshman students, prior to enrollment for the second term
- seniors, upon completion of 87 or more credit hours
- any student who is off track in regard to eAdvisor tracking requirements
- any student who is on university academic probation
- disqualified students interested in attending ASU in the future

Additional information regarding academic advising is available online [7] or through the W. P. Carey School of Business undergraduate programs office at 480-965-4227.

## Credit/Registration

## Pass/Fail

Business majors may not enroll on a pass/fail basis for any course required for graduation. Pass/fail credits taken at another institution may be petitioned for use, but only if the student can demonstrate proof that the pass grade was equivalent to a " C " (2.00) or more.

## Transfer Credit

Credit from other institutions is accepted subject to the following guidelines:
Students planning to take their first two years of coursework at a community college or another four-year college should plan to take business and economics courses that are offered as freshman- or sophomore-level courses for transfer equivalency as supported through the Transfer Credit Guide [8]. Frequently, these lower-division courses are numbered 100 through 299, but can vary based on each transferring institution. A maximum of 30 hours of business and economics courses from community colleges are accepted toward a bachelor's degree in business, and are applied as lower-division credits.

Students may transfer up to nine credit hours of approved upper-division business coursework required for the business degree to ASU. Business courses completed at a two-year college may not be used for upper-division transfer credit in the business core or major. Such courses may be acceptable for general university credit but may not be applicable toward the degree requirements of the major. Courses taught in the upper-division business core must be completed at an accredited four-year institution. Upper-division business course transfer credits will be considered for upper-division business credit in the ASU major only when the course was taken at an AACSB International-accredited school.
Credit is granted for transferred courses deemed equivalent by the W. P. Carey School of Business to corresponding courses in the selected program of study and is subject to grade and ASU resident credit requirements. No grades less than "C" (2.00 on a 4.00 scale) transfer to ASU. To be accepted for credit as part of a degree program in business, all courses transferred from other institutions must carry prerequisites similar to those of the courses they are replacing at ASU.

## Degree Requirements

## Critical Requirements

All business students must meet the critical requirements for their majors. Students who are required to follow eAdvisor tracking requirements yet do not comply with the critical requirements are considered off track, and a hold will be placed on their records. These students must work with an advisor to have the hold removed.

Undergraduates in the W. P. Carey School of Business are expected to be strong academically, especially with regard to grades earned in business courses. Careful course planning, in consultation with an academic advisor, will assist in maintaining satisfactory academic performance and progress.

## Concurrent Degrees

ASU students not enrolled in a W. P. Carey School of Business degree program who wish to pursue a concurrent degree with the business school:

- must be in good academic standing
- must have completed 30 credit hours of college course work
- must meet direct admission criteria [9] for the degree program they wish to pursue

If direct admission requirements have been met, students should file a paper curriculum petition form [10] to request the concurrent degree. Students who do not meet direct admission requirements for business degree programs must complete the Admission Portfolio [11] and be admitted prior to filling out the curriculum petition form. Students are allowed a maximum of two concurrent degree request attempts.
Students currently enrolled in the W. P. Carey School of Business who wish to pursue concurrent degrees within the business school:

- must be in good academic standing
- must have completed 30 credit hours of college course work with a grade of " $C$ " (2.00) or greater, including the following skill courses or the equivalents:
- ACC 231 Uses of Accounting Information I
- CIS 105 Computer Applications and Information Technology
- ECN 211 Macroeconomic Principles OR
- ECN 212 Microeconomic Principles
- MAT 210 Brief Calculus
- MAT 211 Math for Business Analysis
- must have completed or currently be enrolled in the following courses or the equivalents:
- ACC 241 Uses of Accounting Information II
- ECN 211 Macroeconomic Principles OR
- ECN 212 Microeconomic Principles
- ECN 221 Business Statistics
W. P. Carey students who meet the criteria shown above should submit a concurrent degree request. [12] Review and submission times are on the website. W. P. Carey students are unable to change their major status after they are admitted to a concurrent degree program unless they submit a new concurrent degree request. The direct admission criteria only apply to a single major within W. P. Carey; students are not able to freely change majors within their concurrent degree or dual concentration combinations. Students are allowed two concurrent degree request attempts. Current W. P. Carey students wishing to pursue a concurrent degree outside of business should submit a paper curriculum petition form [10] and receive approval from both colleges (e.g., finance and psychology).


## Reinstatement/Readmission

Students seeking readmission after an absence from the university should visit the undergraduate readmission [13] website for further information.

## Other Special Requirements

## Major Proficiency Requirements

Students must receive a grade of "C" (2.00) or more in upper-division courses for the major. If a student receives a grade less than "C" (2.00) in any course in the major, the course must be repeated. If a second grade less than "C" (2.00) is received in either an upper-division course in the major already taken or in a different upper-division course in the major, the student is no longer eligible to take additional upper-division courses in that major.

## Student Appeal Procedure on Grades

W. P. Carey School of Business students follow the university policy for student appeal procedure on grades, which may be found online [14]

## Admission

Because of the additional requirements for the BS, students who do not meet minimum admission standards will automatically be considered for the BA in the W. P. Carey School of Business. Freshman admission requirements for the BA program are the same as the university's freshman admission requirements. Transfer students who want to be admitted to the BA program must have a 3.00 GPA for all transfer course work and a 3.00 GPA for all ASU coursework and must meet university transfer admission requirements.

## Graduate Policies

All graduate students in the W. P. Carey School of Business are required to maintain a cumulative GPA of 3.00 ("B"). Students should see individual graduate degree programs for additional requirements on satisfactory academic progress, probation and disqualification.

## Advising

Advising of graduate students is normally handled by graduate programs support service members. Once admitted, students will meet with a program manager to prepare a plan of study. Students are encouraged to begin discussions with their program managers early in their studies so course work can be geared toward supporting their academic progress. All students, whether in a thesis or nonthesis option, must file a plan of study.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the W. P. Carey School of Business.

Source URL: https://catalog.asu.edu/policies/business

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2819/body?destination=print/2819
[2] http://wpcarey.asu.edu/
[3] https://provost.asu.edu/academic-integrity
[4] https://students.wpcarey.asu.edu/resources/honor-code
[5] https://students.wpcarey.asu.edu
[6] http://wpcarey.asu.edu/sos
[7] https://students.wpcarey.asu.edu/degrees-and-advising/advising-overview\ 
[8] https://webapp4.asu.edu/transfercreditguide/app/home
[9] https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/direct-admission-requirements
[10] https://students.wpcarey.asu.edu/degrees-and-advising/advising-forms-and-resources/curriculum-petition
[11] https://students.wpcarey.asu.edu/getting-started/admissions-portfolio
[12] https://apps.wpcarey.asu.edu/apps/portfolioform/index.cfm
[13] https://students.asu.edu/readmission
[14] https://catalog.asu.edu/appeal

## Herberger Institute for Design and the Arts Policies

The Herberger Institute for Design and the Arts is built on a combination of disciplines unlike any other program in the nation, comprising schools of art; arts, media and engineering; design; film, dance and theatre; and music; as well as the ASU Art Museum.

The Herberger Institute recommends students contact the Office of Student Success at 480-965-4495 to speak with advising staff regarding any questions about the institute's policies.

## Academic Integrity

Academic honesty is expected of all students in all examinations, papers, academic transactions and records. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. The Herberger Institute for Design and the Arts strictly adheres to the ASU Student Academic Integrity Policy. Information about the academic integrity policy can be found at https://provost.asu.edu/academic-integrity [2].

## Undergraduate Policies

## Academic Standing

## Probation

A student in any of the institute's degree programs is placed on university academic probation when he or she fails to maintain a cumulative GPA of 2.00 . Students on academic probation must observe the rules or limitations the institute imposes on probation as a condition of retention. All Herberger Institute students who are placed on academic probation are required to attend mandatory advising appointments in an effort to help them improve their academic standing. Students are required to complete an academic success contract with their advisor to discuss campus academic resources, plan semester goals and discuss strategies to attain academic success. These meetings continue until the student earns a cumulative GPA of 2.00 or greater.

## Continuing Probation

A student already on academic probation and earning a GPA of 2.00 or greater for the term but who is not successful in raising the cumulative GPA to greater than 2.00 will be placed on continuing probation. Continuing probation is meant to acknowledge the student's academic progress while still providing academic support to help the student reach the required 2.00 GPA. Students on continuing probation must continue to attend mandatory advising appointments until the student earns a cumulative GPA of 2.00 or more.

## Disqualification

If the overall GPA is not at the required level and the conditions of probation have not been met after one semester on probation, the student may be subject to disqualification for a minimum of two full academic semesters. Disqualification is exercised at the discretion of the institute and becomes effective on the first day of the fall or spring semester following institute action. A student is notified of the disqualification by the Herberger Institute Office of Student Success and is not allowed to register for a fall or spring semester at the university until reinstated.

## Co-enrolled Continuing Probation Program

Select disqualified students may participate in the Co-enrolled Continuing Probation Program at the discretion of their college or school. Under this program, the student would take UNI 220 Academic Refresher plus one ASU course selected by the student's advisor, and upon completion of the term with a combined semester cumulative GPA of 2.50 the student would be able to continue regular enrollment at ASU. The student would co-enroll at a Maricopa Community College with a schedule selected in consultation with the ASU advisor. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

## Reinstatement

A student who has previously been academically disqualified and seeks to return to ASU either for a fall or spring semester (either immediately or after a period of absence) and has met college admission standards is required to
seek readmission to the university [3] and reinstatement to the Herberger Institute. Applications for readmission to ASU must be made to Admission Services; the application for readmission automatically generates a letter of appeal for reinstatement to the Herberger Institute for consideration.
All disqualified students should contact the Herberger Institute Office of Student Success [4] regarding procedures and guidance for reinstatement and return to academic good standing. A disqualified student may attend summer sessions at ASU to raise the cumulative GPA. If a cumulative GPA of 2.00 or greater is achieved upon completion of summer coursework, the student may petition the institute for early reinstatement. Applications for readmission to ASU must be made to the admission services office. The possibility of successful reinstatement is enhanced when students follow recommendations and meet established standards for summer coursework or coursework completed at other institutions. All students who are academically disqualified should contact a Herberger Institute advisor to discuss their options.
Also available in the Office of Student Success is information on the college policies and procedures for student grievances with respect to grades [5] and various petitions regarding standards and graduation requirements.

## Advising

Undergraduate academic advising is handled as a centralized activity within the institute. Students are encouraged to make appointments through the Herberger Institute Office of Student Success. More information is available on the advising website: http://herbergerinstitute.asu.edu/students/undergrad/advising.php [4]. While the institute provides academic advising, it is ultimately each student's responsibility to fulfill academic and program requirements.
Administration of program requirements is the responsibility of the head of the academic unit and the dean.

## Credit/Registration

## Course Load

First-semester freshmen and entering transfer students are not permitted to register for more than 18 credit hours in Session C or nine credit hours in Session A and nine credit hours in Session B. Other students who wish to register for more than 18 hours must meet the academic criteria for an overload petition [6] and work with their academic advisor in the Herberger Office of Student Success. Any petition for an overload in excess of 21 hours (or more than 10 hours in either sessions A or B) must be presented to the advising manager. No student should assume that his or her petition for overload will be granted.
For summer sessions, the maximum course load is 14 credit hours, seven per six-week summer session. Overloads are rarely granted for these sessions and requests must be petitioned to the Herberger Office of Student Success.

## Audit Grade Option

Students may choose to audit certain courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the courses. The option to audit is not available for all courses.
This grade option may not be changed after the drop/add period.

## Pass/Fail or Credit/No Credit

The only courses accepted toward graduation with a grade of pass/fail or credit/no credit are courses designated by the academic unit as such or internships and field studies.

## Transfer Credit

While the university accepts credits transferred from other accredited institutions, transfer coursework must be equivalent in content and level of offering. Arts or design transfer credits are not applied to specific degree programs until reviewed and accepted by the appropriate academic units. The Design School and the School of Art require a review of samples of work (portfolio format) from previous studio classes to evaluate some transfer studio credits.

## Incompletes

Students are responsible for contacting their course instructors regarding the process of requesting and fulfilling requests for an incomplete. The grade of "l" (incomplete) can only be given by an instructor when a student who is doing otherwise acceptable work is unable to complete a course (e.g., final exam or term paper) because of illness or other conditions beyond the student's control.

To begin the request for a grade of incomplete, students must obtain the official form
at http://students.asu.edu/forms/incomplete-grade-request [7]. A completed form must include a justification, a listing of requirements that have not been fulfilled, and a proposed schedule of completion. The instructor reviews the request and determines whether to accept or deny the request. If accepted, the instructor may propose modifications and submit a copy of the request to the appropriate office.

An incomplete in any course that is a prerequisite for sequential courses automatically denies the student enrollment in subsequent courses and could result in the student being administratively dropped from a subsequent course if the student has already enrolled.
The student has one calendar year from the date the grade of "l" is recorded to complete the course. A student does not reregister or pay fees for a course for which an "l" has been received in order to complete the course. Grades of "l" for undergraduate coursework that have been on a student's record for more than one calendar year will be automatically changed to "E."

## Withdrawals

University withdrawal regulations apply to all courses. In certain of the institute's degree programs, curricula are modular and sequential, and because space in these programs is limited a student is expected to progress through the curriculum with the class. In order to fully understand all potential repercussions of withdrawal from any courses, students should discuss their plans with their academic advisor.

## Degree Requirements

## Critical Requirements

All Herberger students must meet the program and critical requirements for their majors. Students who do not comply with the critical requirements are considered off track and their records will be placed on hold; students are required to meet with a Herberger academic advisor to have a hold removed. For more information about critical requirements, students should refer to the corresponding major map.

## Concurrent Degrees

Students who wish to obtain concurrent degrees must submit a standards committee petition
(http://herbergerinstitute.asu.edu/students/undergrad/forms/herberger.php [8]) to the undergraduate curriculum committee after successfully meeting the following criteria: minimum 3.00 cumulative GPA, successful completion of six credit hours in both programs, and successful admission into both intended programs of study. Students pursuing concurrent degrees within the institute must complete 24 unique credit hours in each major.

## Change of Major

A current ASU student who wishes to change majors to one of the institute's degrees must have a cumulative ASU GPA of 2.50 or greater. Students wishing to enter a major that requires an audition, interview, milestone or portfolio review may be required to successfully complete this requirement before changing the major.

## Reinstatement/Readmission

Undergraduate degree-seeking students who previously attended ASU in the Herberger Institute for Design and the Arts but have not been enrolled at ASU for one fall or spring semester or no more than two consecutive semesters are eligible to return through quick reentry. Students do not need to submit a new application or application fee, but they must contact an academic advisor in their program for registration.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in a Herberger Institute program are required to apply for readmission through the admission services office.

- Readmission is only considered after a student has remained out of the Herberger Institute for a minimum of two semesters.
- A student is required to supply proof he or she is now capable of successfully completing courses in the discipline by the completion of at least 12 hours of appropriate coursework with a GPA of 2.50 or greater.
- If the readmission request requires a change of major, then admission decisions are made by the college that offers the intended major.
- If a student seeks readmission to his or her previous Herberger Institute major and that major requires a creative review, a new review may be required.
- If readmission is approved within the Herberger Institute, the student returns with continued probation status in the appropriate degree program.
Once readmitted, returning students are required to meet with a Herberger advisor before enrolling in courses at ASU.


## Other Special Requirements

## Creative Reviews

A creative review (audition, interview, milestone, portfolio submission) is required for entrance into most majors in the Herberger Institute. Students should see https://herbergerinstitute.asu.edu/admissions [9] for details.

## Graduate Policies

Advising is handled as a decentralized activity within the institute. To offer personalized attention, each academic unit establishes its own graduate advising procedures. Students are encouraged to make appointments through the central office of their major discipline. Students should consult their academic unit's website for general information about the programs, admission and advising procedures:

- School of Art: https://art.asu.edu/ [10]; 480-965-6303
- School of Arts, Media and Engineering: https://artsmediaengineering.asu.edu/ [11]; 480-965-9438
- The Design School: https://design.asu.edu/degree-programs [12]; 480-965-3536
- School of Film, Dance and Theatre: https://filmdancetheatre.asu.edu/ [13]; 480-965-5337
- School of Music: https://music.asu.edu/ [14]; 480-965-3371

Students must fulfill all requirements of their graduate program to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the Herberger Institute for Design and the Arts.

Source URL: https://catalog.asu.edu/policies/design_and_arts

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2820/body?destination=print/2820
[2] https://provost.asu.edu/academic-integrity
[3] http://students.asu.edu/readmission
[4] http://herbergerinstitute.asu.edu/students/undergrad/advising.php
[5] http://herbergerinstitute.asu.edu/grievanceprocedure/
[6] https://designandarts.asu.edu/students/includes/documents/HIDA_Petition_for_Term_Overload.pdf
[7] http://students.asu.edu/forms/incomplete-grade-request
[8] http://herbergerinstitute.asu.edu/students/undergrad/forms/herberger.php
[9] https://herbergerinstitute.asu.edu/admissions
[10] https://art.asu.edu/
[11] https://artsmediaengineering.asu.edu/
[12] https://design.asu.edu/degree-programs
[13] https://filmdancetheatre.asu.edu/
[14] https://music.asu.edu/

## Ira A. Fulton Schools of Engineering Policies

The Ira A. Fulton Schools of Engineering educate undergraduate and graduate students, giving them the knowledge, skills and attitudes they need for success in technically oriented careers. The schools provide students with a range of educational opportunities by which they may achieve excellence in the major branches of engineering, computer science, informatics, construction management, aviation, technology, human systems engineering, environmental resource management, and technological entrepreneurship and management.

The Ira A. Fulton Schools of Engineering take pride in their diversity, their economic and cultural heritages, and the quality of their graduates. The schools strive to be integral to the community they serve and a lifelong presence in the lives of those within their compass. The schools' educational and research programs are built around the following principles: entrepreneurship; use-inspired research and scholarship; a focus on the individual; the intellectual fusion of unique and distinct disciplines; social embeddedness in the local, national and international communities; and global engagement.
More information is available at https://engineering.asu.edu/ [2].

## Ira A. Fulton Schools of Engineering Aspirations

Graduates from any of the schools' programs will possess a solid technological background. Additionally, the Ira A. Fulton Schools of Engineering aspire to develop leaders who are well-read, well-spoken and knowledgeable about current business practices. Experiential education is recognized as a complementary praxis and integral to the overall academic experience. To this end, the schools offer enhanced curricula, special courses and extracurricular activities to enrich the student's stay and to offer every student opportunities to achieve the schools' aspirations.
All the programs within the schools are professional programs, and professionalism is an important component of all the curricula. The schools strive to help students understand and value the various aspects of professionalism, including ethical behavior, a desire for lifelong learning, the ability to communicate with others, and an awareness of how the profession fits into society and impacts it. As the first step in ethics, all students are expected to follow the student code of conduct and rules of academic integrity defined by the university as outlined at https://provost.asu.edu/academicintegrity [3].

## Academic Integrity

Students enrolled in the Ira A. Fulton Schools of Engineering are required to maintain high levels of integrity and honesty in their academic progress. The ASU Student Academic Integrity Policy is strictly enforced and followed. A student with an alleged violation is required to discuss the violation with the professor. A student charged with a violation of the student academic integrity policy will have the opportunity to appeal the charge and be heard by the Ira A. Fulton Schools of Engineering standards hearing board, which provides recommendations to the dean or the dean's designee. The dean or dean's designee will review the recommendation and render a decision. If the decision is suspension or expulsion, the student may appeal to the Office of the University Provost. Policy information is located at https://provost.asu.edu/academic-integrity [3].
The Ira A. Fulton Schools of Engineering have developed and enforce a number of academic standards. These standards are designed to support students and ensure the quality of the schools' graduates.

## Undergraduate Policies

## Academic Standing

## Student Responsibilities

Students need to make many decisions as they complete their degrees. While the schools and the university have a number of resources available (e.g., faculty, courses, advisors and tutors) to help with decision-making, students are expected to take responsibility for their decisions.

## Ira A. Fulton Schools of Engineering Good Standing

Students are expected to select and successfully complete courses that lead to the timely completion of their degree programs. Students are said to be in good standing if they fulfill all the following:

- maintain acceptable GPAs
- enroll and complete critical tracking requirements
- complete courses each semester that are applicable to their degrees


## Ira A. Fulton Schools of Engineering Probation

There are many reasons why some students do not make satisfactory progress. These students are placed on Ira A. Fulton Schools of Engineering academic probation to ensure they get the extra attention and resources they need that will help them get back in good standing. Working with an academic advisor to plan a strategy for success is crucial. Students may be required to reduce their course loads ( 13 credit hours maximum), retake courses or even take courses outside of their programs.
To return to academic good standing in the Ira A. Fulton Schools of Engineering, students with probation status need to earn a minimum semester GPA of 2.25 and earn a minimum cumulative ASU GPA of 2.00 at the end of the probation semester. If enrolled in only one course, a grade of "C+" (2.33) or better and a minimum cumulative ASU GPA of 2.00 is required to obtain academic good standing. Students who meet either the semester GPA requirement or the cumulative ASU GPA requirement at the end of their first probationary semester may be continued on probation. Courses completed during summer sessions are not used to reevaluate a student's probationary status.

## Conditions for Ira A. Fulton Schools of Engineering Probation

A student is placed on college or university probation status when specific academic expectations are not met. Some conditions trigger an automatic placement on probation whereas others trigger an automatic review of the student's case to determine if probation is warranted. When a probation review is triggered, the final decision and any conditions of probation are determined at the program level.
Automatic probation is triggered by any of the following:

- two successive semesters with GPAs less than 2.00
- an ASU cumulative GPA less than 2.00

Automatic review (borderline) is triggered by any one of the following:

- a semester with a GPA less than or equal to 2.00
- a cumulative GPA in the major of less than 2.00


## Ira A. Fulton Schools of Engineering Continuing Probation

A student in current probationary or continuing probation status at the university level is placed on college continuing probation status when specific academic expectations are not met. When a continuing probation review is triggered, the final decision and any conditions of continuing probation are determined at the college level.
To return to academic good standing in the Ira A. Fulton Schools of Engineering, students with continuing probation status need to earn a minimum semester GPA of 2.25 and earn a minimum cumulative ASU GPA of 2.00 at the end of the probation semester. If enrolled in only one course, a grade of " $\mathrm{C}+$ " (2.33) or better and a minimum cumulative ASU GPA of 2.00 is required to obtain academic good standing.

Automatic continuing probation is triggered by any of the following:

- a probationary student does not attain a semester GPA of 2.25 or greater and has a cumulative GPA of at least 2.00 at the end of the probation semester
- a probationary or continuing probationary student obtains a semester GPA of 2.25 or greater and has a cumulative GPA less than 2.00


## Ira A. Fulton Schools of Engineering Ineligibility

Students who are on continuing probation and fail to meet the schools' retention standards become ineligible to continue working toward a degree within the Ira A. Fulton Schools of Engineering.
Ineligibility occurs if the continuing probationary student does any of the following:

- does not attain a semester GPA of 2.25 or greater and has a cumulative GPA of at least 2.00 at the end of the probationary semester
- has already been on probation for two consecutive semesters
- fails to complete any courses appropriate for the degree during each semester

Ineligible students are subject to the following limitations:

- Students who change colleges may not register for courses in the Ira A. Fulton Schools of Engineering unless the courses are required by their new majors.
- Students who register for courses in the Ira A. Fulton Schools of Engineering may be withdrawn from these courses any time during the semester they are registered.
Ineligible students are encouraged to consider these options:
- Students may be eligible to change their majors to other colleges if they are in university academic good standing and have acceptable cumulative GPAs; the acceptable GPA level depends on the number of hours of completed coursework. Students should contact their advisor to determine if this is an option for them.
- Students may take nonengineering courses during summer sessions.
- An ineligible student may apply for readmission to the college after one calendar year.
- Students may request a status review by contacting the Office of Academic and Student Affairs.


## Ira A. Fulton Schools of Engineering Disqualification

Students who are on probation or continuing probation and fail to meet the schools' retention standards become disqualified to continue working toward a degree within the Ira A. Fulton Schools of Engineering.

Disqualification occurs if the probationary/continuing probationary student does not attain a semester GPA of 2.25 or greater and has a cumulative GPA less than a 2.00 at the end of the probation semester.
Disqualified students are subject to the following limitations:

- A disqualified student is not allowed to register in a fall or spring semester at the university. If the student has already registered for a future fall or spring semester, the registration is canceled.
- A student who has been disqualified may apply for readmission to the college after one calendar year.
- A disqualified student may not attend as a nondegree student.
- If a disqualified student elects to attend another university or two-year college, any credits earned there will not affect the ASU cumulative GPA. A course repeated elsewhere will not result in a replacement of a grade earned at ASU.


## Advising

Successful completion of a program in the Ira A. Fulton Schools of Engineering requires careful planning. While final responsibility lies with each student for becoming familiar with and understanding academic degree requirements, each program employs professional academic advisors who work with students in setting academic and career goals, understanding school and university policies and procedures, meeting degree requirements, and becoming familiar with sources of academic support within the university. Students may also work with faculty advisors familiar with the chosen fields of specialization. Students should consult with their advisors prior to registering each semester. A list of program advisors can be viewed at https://engineering.asu.edu/advising [4].
Students are encouraged to use the eAdvisor tool for academic planning. This service provides critical requirements and major maps, which are individualized student reports that lay out a specific, clear and accurate path to timely completion of each student's intended degree. eAdvisor is accessed at https://eadvisor.asu.edu [5].
Many students find it necessary to work while attending ASU. The working student should endeavor to create a careful balance of work and class responsibilities to avoid academic problems. Students should inform their academic advisors of any outside work or activity so that course loads may be adjusted accordingly.
Staff in the Office of Academic and Student Affairs in the Ira A. Fulton Schools of Engineering are available to assist individual students with many different types of advising issues. They work with students to answer general questions about policies and procedures; help with registration transactions; administer the probation, disqualification and readmission processes; oversee disciplinary actions; hear grade grievances; and, assist with other administrative matters.

## Mandatory Advising

All first-year students, student athletes, and students who are found to be having academic difficulty are required to be advised before they can register for classes, including summer sessions classes. Some programs relax the advising requirement after the first year, so students should consult their academic advisor or review the My Tasks list in My ASU to determine if advising is required.

## Credit/Registration

Students are required to register for courses using one of the university-provided processes. As part of the registration process, the school enforces the following registration restrictions:

## Maximum Hours

Students enrolled in undergraduate degree programs in the Ira A. Fulton Schools of Engineering may register for a maximum of 19 credit hours per semester. Any student wanting to register for more than the maximum must submit a college standards petition and have an approval on file prior to registering for the overload.

## Ira A. Fulton Schools of Engineering Probationary Status

Students who have been placed on academic probation with the Ira A. Fulton Schools of Engineering must meet with their academic advisors and complete their probation success plans. (The success plan is designed to assist students in identifying a path to academic success and can be found at https://advising.engineering.asu.edu/wpcontent/uploads/2017/04/Probation__Success__Plan__2016.docx [6].) Students on academic probation with the Fulton Schools may enroll in a maximum of 13 credit hours per semester.

## Degree Requirements

## Undergraduate Nondegree Status

Students who are enrolled in an undergraduate nondegree status in the schools must obtain advising and approval to register from the Office of Academic and Student Affairs before registering each semester.

## Course Prerequisites

Students should consult the schedule of classes and the catalog for course prerequisites. Students who register for courses without the designated prerequisites may be withdrawn without their consent at any time before the final examination. Such withdrawal may be initiated by the course instructor, the program chair of the program offering the course or the dean of the college. In such cases, students will not receive monetary reimbursement.

## Pass/Fail Grades

Students requesting credit for pass/fail courses taken at another institution must file an Ira A. Fulton Schools of Engineering standards petition. Each request is judged on its particular merits.

## Non-Ira A. Fulton Schools of Engineering Students

Students who are not admissible to programs in the Ira A. Fulton Schools of Engineering and who enroll in another college at ASU may not register for any 300- or 400-level courses in the schools unless the courses are required in their degree programs and the students have the proper course prerequisites.

## First-Year Composition Requirement

Completion of the first-year composition requirement is required for graduation. Any student whose written or spoken English in any course is unsatisfactory may be required by the appropriate school director or program chair to take additional course work. The first-year composition requirement is at https://catalog.asu.edu/ug_grad_req [7].

## Concurrent Degrees

Students interested in pursuing a concurrent degree should consider several aspects:

- The degree conferral date occurs when all degree requirements are satisfied for each undergraduate degree program; that is, students receive both degrees at the same time regardless if course work for one degree is completed prior to the other degree.
- Admission criteria, policy for double-counting credits, and other requirements and rules are defined by the school or college offering the degree program.
- Financial Aid and scholarship limits apply and may not cover all semesters; therefore, students may need to invest more time, and hence more funds, to complete concurrent degrees.

Once a decision is made to pursue a concurrent degree, the process must be set in motion:

- A student pursuing a concurrent degree must meet with both program advisors to learn about degree and graduation requirements of both degree programs and the eligibility requirements for filing a petition. Both advisors should review the graduation plan that outlines courses the student will take each semester.
- The student must file a standards petition form with each respective school or college offering the desired degree programs to request permission to pursue the concurrent degrees. The petition form is available online at https://students.asu.edu/node/1834 [8]. The petition form is also available in-person from the program academic advisor.

Petition approvals result in the posting of concurrent degrees in PeopleSoft. If the student later decides to 'drop' one of the degrees, the student should inform the University Registrar Services [9] Graduation Office if no longer interested in pursuing concurrent degrees.

## Change of Major

Students interested in switching majors to one of the programs within the Ira A. Fulton Schools of Engineering must meet the schools' admission requirements for transfer students. This requirement is true for students admitted to ASU as freshmen or transfer students. Change of major is not guaranteed, and students interested in changing majors are encouraged to make an appointment with an advisor in the program of interest to discuss the probability of success and to develop a plan of action to ensure successful advancement to upper-division courses. For admission information, students should visit https://engineering.asu.edu/admission-requirements/ [10].
Students who were admitted as freshmen into the Ira A. Fulton Schools of Engineering, with the exception of The Polytechnic School, and who have maintained continuous enrollment in any Fulton Schools major may choose to change to any other major within the Ira A. Fulton Schools of Engineering provided they are in good academic standing [11]. Students admitted to The Polytechnic School must meet the transfer admission requirements in order to change to a Fulton Schools major outside of The Polytechnic School.

## Evaluation of Previous Coursework

Transferring from one institution to another or between programs can result in a net loss of credits that count toward the degree. Thus, it is important for students who contemplate transferring into the Ira A. Fulton Schools of Engineering from other institutions, whether community colleges or four-year institutions, to carefully study the requirements of their degree programs to get a sense of which courses may transfer.
Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades lower than "C" (2.00) are accepted as transfer credit to meet the graduation requirements of the schools. Credits transferred from a community college or two-year institution are applied only as lower-division credits. For a listing of the acceptable courses transferable to the various degree programs, prospective Arizona transfer students should consult their advisors and refer to the ASU transfer tools available at https://transfer.asu.edu [12].
Some courses taken at ASU or other universities may be acceptable for general university credit but may not be applicable toward the degree requirements of the schools. Determination of those particular courses applicable to a specific degree program is made within the appropriate academic unit with approval of the dean.

## Currency of Coursework

Courses taken more than five years before admission to degree programs in the Ira A. Fulton Schools of Engineering are not normally accepted for credit in the engineering major, at the option of the program in which the applicant wishes to enroll. However, students still may earn university elective credit or general studies credit for these courses. Courses completed within the five years preceding admission are judged for their applicability to the student's curriculum.

## General Education Development

Students admitted to the university after successful completion of a GED examination are directly admitted to the Ira A. Fulton Schools of Engineering (BSE or BS) program within their majors, provided they meet the minimum ACT or SAT score required for freshman admission to the Ira A. Fulton Schools of Engineering.

## Graduation Requirements

To qualify for graduation, an Ira A. Fulton Schools of Engineering student must have a minimum cumulative ASU GPA of 2.00 in addition to having a GPA of at least 2.00 for the courses in the major.

## University Graduation Requirements

In addition to program and the Fulton Schools' requirements, students must meet all university graduation requirements. A well-planned program of study enables students to meet all requirements in a timely fashion. Students are encouraged to consult with an academic advisor in planning a program, to ensure they comply with all necessary requirements. University graduation requirements can be found at https://catalog.asu.edu/ug_grad_req [7].

## Reinstatement/Readmission

## Readmission

Undergraduate degree-seeking students who previously attended ASU in the Ira A. Fulton Schools of Engineering but have not been enrolled at ASU for one fall or spring semester or no more than two consecutive semesters are eligible to return through quick reentry. Students do not need to submit a new application or application fee, but they must contact an academic advisor in their program for registration.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in an Ira A. Fulton Schools of Engineering program are required to apply for readmission through the admission services office. Readmission requests are processed as follows:

1. School of Engineering students seeking readmission to the same program they left and who left ASU with either academic good standing or probation status are readmitted to the degree program they left with the same academic standing (i.e., good academic standing or probation) they had when they left ASU.
2. Students seeking readmission to an Ira A. Fulton Schools of Engineering program other than the program they left and who have an ASU GPA of 3.00 or greater are readmitted to the degree program with the same academic standing (i.e., good academic standing or probation) they had when they left ASU.
3. Students seeking readmission to an Ira A. Fulton School of Engineering program other than the program they were in when they left ASU with either academic good standing or probation status and who have an ASU GPA less than 3.00 are subject to the process of admission by change of major. These requests for readmission are reviewed on an individual basis. If the request for readmission is approved, the student is readmitted to the new degree program with the same academic standing (i.e., good academic standing or on probation) he or she had when leaving ASU.
4. Students seeking readmission to an Ira A. Fulton Schools of Engineering program and who left ASU with either ineligible or disqualified status are subject to review by the Office of Academic and Student Affairs and the program. Readmission is only considered after a student has remained out of the Ira A. Fulton Schools of Engineering for a minimum of 12 months. A student is required to supply proof he or she is now capable of successfully completing courses in the discipline by the completion of at least 15 hours of appropriate course work with a GPA of 3.00 or higher and a cumulative (ASU plus transfer) GPA of at least 2.50 . If the readmission request requires a change of major, then they student must complete the review process for admission by change of major. If readmission is approved, the student will return with continued probation status in the appropriate degree program.

Once readmitted, returning students are required to meet with a program advisor before enrolling in courses at ASU.

## Other Special Requirements

## Advancing to Upper-Division Courses

The faculty in the Ira A. Fulton Schools of Engineering have identified a set of critical requirements in the first four semesters of each program whereby performance in these critical requirements is a key component in progressing in the chosen major. These critical requirements include a set of courses and performance levels required in those courses and are outlined on the major maps.

## Graduate Policies

## Policy for Maintaining Satisfactory Academic Progress

A student who has been admitted to a graduate degree program in the Ira A. Fulton Schools of Engineering, with either regular or provisional admission status, must maintain a GPA of 3.00 or greater in all the following:

1. all work taken for graduate credit (courses numbered 500 or higher)
2. coursework in the student's approved plan of study
3. all postbaccalaureate course work taken at ASU (overall GPA)

A student will be placed on academic probation if one or more of the student's GPAs listed above is less 3.00 . Students will be notified by mail when placed on academic probation.

A student will earn academic good standing by obtaining a 3.00 or greater in the GPAs listed above by the time the next nine hours are completed. Coursework such as research and dissertation and any course that is graded with a "Z" (in progress) or " Y " (satisfactory) cannot be included in these nine hours.
A student may be recommended for dismissal from a graduate program if the student fails to increase all the GPAs listed above to 3.00 or greater by the time he or she completes at least nine credit hours as defined in the previous paragraph.
A student may appeal actions concerning dismissal by petitioning the program in which they are enrolled.
Academic units in the Ira A. Fulton Schools of Engineering can expand this policy statement to include additional policy governing the satisfactory academic progress of the students in their graduate programs.

## Additional Graduate Policies

Full details of policies related to graduate students in the Ira A. Fulton Schools of Engineering can be found on each program's Web page. For a list of programs, students should visit https://engineering.asu.edu [2]. University policies related to graduate students can be found at https://graduate.asu.edu [13].
Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and they must abide by all university policies including those of the Graduate College and the Ira A. Fulton Schools of Engineering.

Source URL: https://catalog.asu.edu/policies/engineering [1]

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2821/body?destination=print/2821
[2] https://engineering.asu.edu/
[3] https://provost.asu.edu/academic-integrity
[4] https://engineering.asu.edu/advising
[5] https://eadvisor.asu.edu/
[6] https://advising.engineering.asu.edu/wp-content/uploads/2017/04/Probation__Success__Plan__2016.docx
[7] https://catalog.asu.edu/ug_grad_req
[8] https://students.asu.edu/node/1834
[9] https://students.asu.edu/contact/office-university-registrar
[10] https://engineering.asu.edu/admission-requirements/
[11] https://catalog.asu.edu/retention_standing
[12] https://transfer.asu.edu
[13] https://graduate.asu.edu/

## School for the Future of Innovation in Society Policies

The transdisciplinary programs and coursework offered by the School for the Future of Innovation in Society focus on the intersections of science, technology, development, innovation and society, enabling students to engage and rethink the social and technical aspects of innovation. They are then able to envision, design and build the futures people would want to inhabit. The transdisciplinary team of faculty has an extraordinary track record of research and service. They are dedicated to teaching and mentoring students and cultivating the knowledge, skills and dispositions with which the school's graduates will approach and construct the future.

## Academic Integrity

At ASU, students are part of an academic community that is engaged in learning and inquiry and based on the quest for truth, thus committing themselves to a path of honesty and integrity. Therefore, it is expected that they integrate that responsibility with their conduct. Students' coursework, research and projects must be original and reflect individual effort and integrity. When in doubt about appropriate conduct, students should consult a faculty mentor to seek clarification. The School for the Future of Innovation in Society has a zero-tolerance policy for any form of academic misconduct. Penalties for unethical behavior range from being placed on academic probation to being dismissed from the program.
The ASU Student Academic Integrity Policy determines all related violations of this policy and will be strictly followed and enforced. A copy of the policy is available at https://provost.asu.edu/academic-integrity [2].

## Undergraduate Policies

## Academic Standing

To be considered in academic good standing in the School for the Future of Innovation in Society, students must have at least a cumulative GPA of 2.00 or higher.

## Probation

Students who do not achieve a 2.00 GPA will be placed on university academic probation and must meet with an advisor to discuss academic success strategies. Students on academic probation will be required to take UNI 220 Academic Refresher. UNI 220 will appear on the students' DARS as a graduation requirement. In addition, students who have fewer than 24 credit hours will be required to participate in the ASU Pathway for Achieving Student Success program [3].
Within one semester, a student on academic probation must do one of the following:

1. Raise the ASU cumulative GPA to 2.00 or greater to return to academic good standing.
2. Obtain a semester GPA of 2.00 or greater to be continued on probation. Students on continued academic probation may continue for as many semesters as needed to achieve academic good standing.

## Disqualification

Students who fail to meet the criteria for continued probation may be disqualified from ASU. Students who have been disqualified may attend summer sessions but not fall or spring sessions until they are qualified to be readmitted.

Once readmitted, the student may be placed on academic probation for at least two semesters. Students on probation will have two semesters to raise their cumulative GPA to meet ASU academic good standing (2.00). Failure to do so will result in disqualification from the university. Students should refer to the School for the Future of Innovation in Society undergraduate handbook for more information.

## Academic Policy Appeals

Academic appeals regarding school policies should be discussed with the student's academic advisor, and students may be required to submit a petition to the School for the Future of Innovation in Society Undergraduate Programs Committee within the semester of probation or the one immediately following. Some petitions may require a secondary review by the ASU University Undergraduate Standards Committee.

## Advising

All students are encouraged to seek advising before registration. Students must follow the calendar published in the registration and tuition payment guide each semester for information and deadlines pertaining to enrollment, adding or dropping classes and withdrawals.
In addition to information provided by an academic advisor, students are expected to read the requirements for the university's General Studies and major degree requirements in their edition of the ASU academic catalog. The ASU academic catalog is the governing source for all degree requirements.
Advising Information: https://sfis.asu.edu/student-life/academic-resources/advising [4]

## Mandatory Advising

The following students in the School for the Future of Innovation in Society must receive advising clearance prior to course registration:

- new and transfer students in their first two semesters of attendance
- readmitted students in their first returning semester
- students on academic probation or continued probation
- students with 87 credit hours or more completed
- students who are off track for graduation
- students who have been disqualified

Students are encouraged to check their advising status requirements each semester before attempting any registration transactions through My ASU [5].

## Credit/Registration

Students enrolling in courses offered by the School for the Future of Innovation in Society are expected to follow the rules and deadlines specified in this catalog and the current registration and tuition payment guide. Students are encouraged to meet with their academic advisor before registration.

## Course Load

Students may enroll in a maximum number of 18 credit hours per fall or spring semester, with a maximum number of nine credits taken in session A or session B. Students may enroll in a maximum of 14 credits for a summer session, with no more than seven credits in session A or session B. Any student wishing to enroll in more than the 18 credit hour limit in the fall or spring (or 14 in summer) or more than the nine credit hour limit in an A or B session (or seven hour limit in summer) should first meet with their academic advisor to discuss a course overload.
More details on credit hour limits are available at https://catalog.asu.edu/course_load [6]. For more details on the petitioning process, students should contact the school's advising office.

## Repeat/Replace Policy

Students wishing to repeat courses and possibly replace prior course grades must follow the policy stated in the university's Student Services Manual regarding the number of credit hours that can be repeated and the types of courses that are eligible for a grade replacement.
Students wishing to repeat a course for a third time must petition the School for the Future of Innovation in Society Undergraduate Program Committee. Students should contact the advising office for information.

## Pass/Fail Grade Option

A grade of " $Y$ " (satisfactory) contributes to a student's earned hours but does not affect the GPA. A failing grade of " $E$ " is calculated into the GPA.
The pass/fail grade option may be used under the following conditions:

- Approval has been granted from the instructor and the School for the Future of Innovation in Society Undergraduate Program Committee.
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the drop/add period.
- A maximum of 12 hours taken for pass/fail may be counted toward graduation.


## School for the Future of Innovation in Society students may not enroll under the pass/fail option in the following courses:

- first-year composition requirements
- General Studies requirements
- honors credits
- language proficiency requirements
- major, minor, concentration area or certificate program


## Audit Grade Option

Students may choose to audit certain courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the courses. The option to audit is not available for all courses. This grade option may not be changed after the drop/add period.

## Degree Requirements

All candidates for graduation are required to complete at least 120 credit hours, of which at least 45 hours must consist of upper-division courses. A minimum ASU cumulative GPA of 2.00 is required for graduation. All new School for the Future of Innovation in Society freshman students are required to enroll in the FIS 101 course during their first ASU semester.

## Minors

The school offers a minor in Innovation in Society. Students may not use courses in their minors toward their majors and, similarly, students may not use courses in their majors to fill the requirements of their minors.

## Concurrent Degrees

The School for the Future of Innovation in Society allows students to request approval to pursue a concurrent degree if they:

- have completed at least 30 graded credit hours
- are in good academic standing
- have a minimum GPA of 2.00

Concurrent degrees may not be from the same discipline or have overlap in the core courses required for each major.
Students must earn at least 30 unique credit hours for each degree.
To request a concurrent degree, the student must meet with an academic advisor and fill out the School for the Future of Innovation Standards Petition form [7]. If the second program is outside of SFIS, the student is also required to get approval from the other college or school that offers the concurrent degree program.

## Critical and Necessary Requirements

All undergraduate majors at ASU are provided an eight-term course plan, called a major map that leads them to graduation in four years. School for the Future of Innovation in Society students must meet the critical and necessary requirements listed on their major maps.

A student who does not comply with the critical requirements is off track and will have a hold placed on their record. To have the hold removed, the student will be required to meet with a School for the Future of Innovation in Society academic advisor. For more information about critical requirements, students should refer to the corresponding major map or eAdvisor at https://eadvisor.asu.edu/ [8].

## Reinstatement/Readmission

Students who have been disqualified from ASU may be readmitted when they submit a letter of explanation to the School for the Future of Innovation in Society Undergraduate Program Committee for a fall or spring semester if they complete one of the following:

1. Raise their ASU cumulative GPA to good academic standing (2.00) by taking ASU summer session courses.
2. Complete 12 or more transferable credit hours at a community college or university with no grades less than " $C$ " and a GPA of 2.50 or greater. Courses in which the student failed or received a "D" at ASU should not be repeated at another institution.

Once readmitted, the student may be placed on academic probation for at least two semesters. Students on probation have two semesters to raise their cumulative GPA to meet ASU academic good standing (2.00). Failure to do so results in disqualification from the university.

## Graduate Policies

The school's graduate policies are guided by the university polices on graduate studies. For details, students should see https://graduate.asu.edu/policies-procedures [9].

## Academic Standing

Students are expected to make planned and systematic progress toward completion of their graduate program. This progress includes being in good academic standing and achieving the benchmarks and requirements set by the programs, including additional satisfactory progress policies. Students are responsible for verifying that all these requirements are met as well as any additional requirements concerning satisfactory academic progress, probation and disqualifications.

Students failing to satisfy their graduate program requirements or the benchmarks outlined below may be recommended to the Graduate College for dismissal from their programs. Details are available at https://graduate.asu.edu/keypolicies [10].
To be in good academic standing, students are required to maintain a minimum 3.00 GPA on all GPAs (plan of study, cumulative and graduate). These include all coursework on their approved interactive plan of study, on all postbaccalaureate course work taken at ASU, and on graduate credit courses (those numbered 500 or higher).
A student with a cumulative GPA less than 3.00 will be placed on academic probation and may be subject to dismissal. If any GPA is less than 3.00, the student must develop, with the advisor, an academic performance improvement plan that includes the conditions and time frames for making satisfactory academic progress in their degree program. The student is considered to be on academic probation until the conditions specified in the academic performance improvement plan are met and GPAs are greater than 3.00 . Coursework such as research and dissertation and any course that is graded with a "Z" (in progress) or " $Y$ " (satisfactory) cannot be included in the GPA.

Students must also satisfy the maximum time limit for graduation from the student's graduate program (six years for master's degrees and certificates, 10 years for doctorates).
Students must successfully pass any comprehensive exams, qualifying exams, foreign language exams, and an oral defense of the proposal or prospectus for the thesis, dissertation or any other culminating events required for their program.

Students must stay continuously enrolled in their graduate degree program. Failing to do so without a Graduate Collegeapproved request to maintain continuous enrollment is considered to be a lack of academic progress and will lead to automatic dismissal of the student from the graduate program.

## Degree Requirements

Each graduate student in the school will be required to file an interactive plan of study by the time they have enrolled for 50 percent of the minimum credit hours required for their degree program. Once admitted, the student will meet with the faculty or program advisors to begin to prepare their plan.
While the ultimate responsibility for understanding the requirements of their respective academic degrees remains with each student, the School for the Future of Innovation in Society provides to students advising services that will help them understand the school's policies and procedures and allow them to set their academic goals.
Students must fulfill all requirements of their individual graduate programs and abide by all university policies, including those of the Graduate College. Full details of policies and procedures related to the school's graduate programs can be found on each program's webpage at https://sfis.asu.edu/degree-programs [11].

Source URL: https://catalog.asu.edu/policies/sfis [1]
Links:
[1] https://catalog.asu.edu/admin/field/edit/node/5774/body?destination=print/5774
[2] https://provost.asu.edu/academic-integrity
[3] https://tutoring.asu.edu/success-programs/pass
[4] https://sfis.asu.edu/student-life/academic-resources/advising
[5] https://my.asu.edu
[6] https://catalog.asu.edu/course_load
[7] https://catalog.asu.edu/sites/default/files/attachment/sfisstandardspetition.pdf
[8] https://eadvisor.asu.edu/
[9] https://graduate.asu.edu/policies-procedures
[10] https://graduate.asu.edu/key-policies
[11] https://sfis.asu.edu/degree-programs

## Thunderbird School of Global Management Policies

Thunderbird School of Global Management is the historic leader in global management education, setting the pace in global organizational management since 1946 with a specialized education that combines the fundamental business core with in-depth studies in global business environments, cross-cultural leadership and applied learning. From its first days as a unique school in the desert, it has grown into the leading school of international business and management. Along the way, it embraced innovation while retaining a clear focus on developing graduates who are ready to make a difference. At no other time in history has there been a greater need for managers who can lead global organizations, work with diverse teams, and integrate far-reaching logistical networks of suppliers, customers and partners.
A Thunderbird education is designed for bold and progressive thinkers in a world of complex, global organizational leadership. The student learning experience will be pragmatic and relevant. From the diverse life experiences of colleagues to intriguing global case studies and applied learning projects that give students hands-on opportunities to put theory into practice, Thunderbird is a unique educational experience.
Graduates join the renowned Thunderbird alumni community with a network of more than 40,000 Thunderbirds living and working in more than 140 countries. Employed at corporate, government and nongovernment entities, Thunderbird alumni make it possible for organizations across the globe to succeed despite rapid and continuous change.

## Academic Integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity Policy is strictly enforced for students found in violation of this policy. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. More information is available at https://provost.asu.edu/academic-integrity [2].
For more information on graduate specific policies, students should refer to the specific graduate program manual and they should also see https://graduate.asu.edu/academic-integrity [3].

## Undergraduate Policies

## Academic Standing

To maintain satisfactory academic progress, all students in the Thunderbird School of Global Management must:

1. maintain a minimum 2.00 GPA each semester
2. maintain a minimum 2.00 cumulative GPA

## Probation

A student is placed on probation at the end of the fall or spring semester if their GPA is less than 2.00.

## Continuing Probation

Students are placed on continuing probation when their cumulative GPA is less than 2.00 for two consecutive semesters but they have shown academic progress.

## eAdvisor Tracking

In addition to being in university good academic standing, all students in the Thunderbird School of Global Management must adhere to ASU critical tracking requirements, per the pertinent major map. Students are off track if they fail to meet ASU critical tracking requirements. For more information on critical tracking courses, students should see https://webapp4.asu.edu/programs/t5/MajorMaps [4].
Students who remain in off-track status for two or more consecutive semesters may be required to change majors.

## Disqualification

Students are disqualified from ASU if their cumulative GPA remains less than 2.00 for more than two consecutive semesters. Students who are disqualified are not allowed to enroll in the following fall or spring semester.

## Remediation

Students are required to meet with an academic advisor if they are placed on probation, continuing probation, off-track status or are at risk for disqualification, at which point an appropriate remediation plan will be discussed.

## Advising

Thunderbird School of Global Management is committed to the personal, social and academic experiences of students by providing high-quality, student-centered academic advising, ensuring the accuracy and accessibility of information and resources, and partnering with students to help them reach their career goals.
Academic advising is required for the following students:

1. All freshman and new transfer students are required to meet with an academic advisor before course registration. Thus, freshmen are required to meet with an academic advisor prior to both their first and second semesters.
2. Students not in satisfactory academic standing (i.e., probation, continuing probation, off-track status, disqualification, etc.) are required to meet with an academic advisor to discuss a remediation plan.
Faculty and staff utilize academic status reports to provide student feedback over the course of the academic semester and year. Academic status reports may be used to identify students who are struggling academically or professionally or to recognize students who are exceeding in coursework. Academic advisors and faculty mentors may access ASRs to provide students with valuable insight into performance improvement https://students.asu.edu/asrr [5].

## Credit/Registration

## Course Load

Students are allowed to register for a maximum of 18 credits per semester. To register for more than the maximum allowable, students may petition the Thunderbird School of Global Management Standards Committee through their program director. No student should assume that a petition for overload will be granted. For more information, students should see https://catalog.asu.edu/course_load [6].

## Transfer Credit

Transfer credits from other institutions may be accepted and applied based on the student's major. Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades less than "C" (2.00) transfer to ASU. Credits transferred from a community college or two-year institution are applied as lower-division credits. The Thunderbird School of Global Management recommends that students work closely with their academic advisor to determine the process for applying pertinent transfer credit hours to their program of study. For more information on the transfer process and a list of the courses transferable to the various degree programs, students should consult their advisor and refer to the ASU transfer tools at https://transfer.asu.edu [7].

## Course Prerequisites

Course prerequisites are established to ensure student success in a course. Students must complete all course prerequisites prior to enrolling in the desired course. Prerequisite overrides may be granted under the following conditions:

- A transfer course has been accepted by advisor to fulfill required course prerequisite.
- A prerequisite override has been granted by an advisor, instructor, or other authority.


## Grade of Incomplete

A grade of incomplete for a course may be granted by permission of the instructor under the following conditions:

- The student is in good standing academically at ASU.
- The student has completed a substantial portion of the required coursework.
- The student has experienced extenuating circumstances prior to the end of the semester, preventing completion of the course: https://students.asu.edu/forms/incomplete-grade-request [8].

If qualified, students have one calendar year to complete course requirements. If requirements are not met per the standards agreed upon with the course instructor after one calendar year, the incomplete will be adjusted to reflect a course failure.

## Pass/Fail Grade Option

A grade of " $Y$ " (satisfactory) contributes to a student's earned hours but does not affect the GPA. A failing grade of " $E$ " is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted by the instructor and college offering the course.
- The pass/fail option was chosen during initial registration for the course, if available.

Thunderbird students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy first-year composition requirements
- those taken from the student's major, minor or certificate program
- those taken for honors credits
- those counted toward satisfying Thunderbird general studies requirements
- those counted toward satisfying Thunderbird language and culture proficiency requirements

Pass/fail credit taken at another institution may be petitioned for use, but only if the student can demonstrate proof that the pass grade was equivalent to a " $C$ " (2.00) or greater.

## Withdrawal

## Complete Session Withdrawal Information

Since a complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences, undergraduate students are required to contact the college or school of their major to facilitate the withdrawal process.
Students must complete the following steps in the order in which they are listed:

1. Fill out a complete session withdrawal form (https://students.asu.edu/forms [9]).
2. Make an appointment with their advisor, and take the form to the appointment.

ASU has many resources in place to help students. Students may want to consider one or more of the following:

- withdraw from just one or two classes (course withdrawal): Students may withdraw from a class while remaining enrolled in other classes as long as the withdrawal is completed between the drop/add deadline and the course withdrawal deadline. Students are encouraged to contact their academic advisor to discuss the impact this may have on meeting critical requirements. Students are also encouraged to contact a financial aid representative to consider any impact withdrawing will have on scholarships, grants and loan packages.
- request a medical or compassionate withdrawal: Medical or compassionate withdrawals are available for students withdrawing from one or more classes due to extraordinary personal mental or physical health conditions or the death or serious illness of a family member or close friend. If approved, students are allowed one medical or compassionate withdrawal during their academic career with Thunderbird. For information concerning medical or compassionate withdrawal requests, students should see https://students.asu.edu/forms/medical-compassionate-withdrawal-request [10], and they may obtain the form
here: https://students.asu.edu/files/Medical-Compassionate\ Withdrawal\ Request.pdf [11].
- seek tutoring or academic support services: The Student Success Center provides a variety of services to help students become better learners and gain the confidence and skills to achieve their academic goals. Services include writing centers, math tutoring, subject area tutoring and supplemental instruction. For more information concerning the Student Success Center, students should visit https://tutoring.asu.edu/studentservices/tutoring [12].
- make an appointment with ASU's Counseling Services: Counseling and mental health services are provided at each of the four ASU campuses. ASU students may seek services at any of the campus counseling centers,
regardless of their college affiliation. For more information, students should visit https://eoss.asu.edu/counseling/location [13].
- explore the possibility of an "l" (incomplete) grade.


## Possible consequences resulting from a complete session withdrawal:

- financial aid: Financial aid recipients who completely withdraw from the university may be responsible for immediate repayment of funds. The effect of a complete withdrawal of financial aid depends on when the withdrawal is dated and the type of financial aid. More information is at https://students.asu.edu/financialaid [14].
- tuition and refunds: The date of a complete withdrawal will determine whether or not a tuition refund will be generated. Students should review the tuition refund policy for more information. https://students.asu.edu/tuitionrefundpolicy [15]
- health insurance: Students should contact their health insurance company to determine whether or not withdrawing from the university affects their coverage.
- residential life: Students who live on campus should contact their residential hall community staff to determine what impact withdrawing will have on their eligibility to live on campus; to complete a license agreement release form; and to arrange an appointment to officially check out. More information is at https://housing.asu.edu/residence/casa-de-oro [16].
- veteran benefits and certifications: Students should contact the appropriate veteran benefits and certifications office to discuss information regarding veterans' educational benefits and military activation. For more information, students should email w.westvso@asu.edu [17] or visit https://veterans.asu.edu_[18].
For general university withdrawal procedures, students should see https://students.asu.edu/drop-add [19].


## Degree Requirements

All candidates for graduation in the BGM or BS curricula are required to present at least 120 credit hours, of which at least 45 credit hours must consist of upper-division work. A minimum cumulative GPA of 2.00 is required for graduation.

It is the student's responsibility to be aware of the degree program requirements and to select courses accordingly.
To graduate, a student must satisfy the following requirements:

1. ASU 101 or equivalent (freshman students)
2. college proficiency requirements for language
3. university first-year composition and General Studies requirements
4. an additional combined six credit hours of literacy ( L ) (three hours total) and humanities, arts and design (HU)/social-behavioral sciences (SB) (three hours total) at the upper-division level, in addition to 29 credit hours of General Studies coursework
5. major requirements that involve concentrated course work in one program
6. successful completion of critical-tracking courses as required on the student's major map

For more information regarding eAdvisor tools, students should visit https://eadvisor.asu.edu [20].

## Language Proficiency Requirement

Each student is required to demonstrate proficiency in the analysis of language by passing an examination or by completing the courses specified below with a grade of "C" (2.00) or greater in each course. Students considering graduate work after completion of the bachelor's degree should consult with faculty advisors regarding language requirements in their intended areas of study. Students should see the program major map for the specific language requirement. Contact the advising office for information on applicable coursework.
The language proficiency requirement may be satisfied through one of the following:

- completion of secondary education at a school in which the language of instruction is not English
- completion of a language course at the intermediate level (202 or equivalent)
- completion of an upper-division course or courses taught in a foreign language, taken in the United States or the relevant country
- completion of six credit hours of upper-division courses that have the global awareness designation (G) or cultural diversity in the U.S. designation (C) in addition to the courses used to meet the university general studies requirements
Students whose native language is not English who choose to take a second language must meet or exceed a TOEFL score of 100 or more to register for a non-English language class in the first or second semesters. All students whose native language is not English may register for a language class in their third semester. The first two semesters of English immersion will solidify their English proficiency before a new language is attempted.


## Concurrent Degrees

Students who are interested in pursuing concurrent degrees may petition the Thunderbird School of Global Management Standards Committee through their academic
advisor: https://catalog.asu.edu/sites/default/files/attachment/tbird_concurrent_degree_petition.pdf [21].
Thunderbird School of Global Management requires that students interested in applying for a concurrent degree meet the following criteria:

1. a minimum cumulative GPA of 3.00
2. a minimum of 12 credit hours of coursework completed in the first major
3. a minimum of nine credit hours of coursework completed in the second major
4. petition for approval to pursue a concurrent degree before the final semester

For more information on degree requirements, students should see https://students.asu.edu/programs/ [22].
Thunderbird students may pursue minors in other colleges at ASU. Courses used in the minor may not be used in the student's major program: https://catalog.asu.edu/index.php?q=minors [23].

## Reinstatement/Readmission

Undergraduate degree-seeking students having previously attended ASU but not enrolled at ASU for one fall or spring semester or no more than two consecutive semesters are eligible to return through quick reentry. These students are not required to submit a new application or application fee, but they must contact a Thunderbird academic advisor to enroll.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in a Thunderbird program are required to apply for readmission through Admission
Services: https://students.asu.edu/readmission [24].
Disqualified students must follow the procedures for readmission and will be reviewed by the college on a case-by-case basis.

## Other Special Requirements

## Grievance Policy

Undergraduate students with grievances pertaining to an enrolled course should first address issues with the course instructor. If the identified grievance is not resolved with the course instructor, the student should then meet with the academic advisor, followed by Thunderbird's academic director of undergraduate programs. Finally, if no resolution has been achieved, the student should contact the dean of faculty at Thunderbird School of Global Management.

## Graduate Policies

## Academic Progression

Each graduate program in the Thunderbird School of Global Management adheres to specific academic requirements. Students are strongly encouraged to become familiar with the expectations listed for their respective graduate program as well as review ASU graduate education policies found at https://graduate.asu.edu/policies-procedures [25] and the Thunderbird Student Handbook. Each student should also communicate directly with the program coordinator or academic advisor to ensure a clear understanding of all degree requirements and program expectations. Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and must abide by all university policies including those of the Graduate College and the Thunderbird School of Global Management.

All Thunderbird graduate programs require a minimum cumulative GPA of 3.00. Students should see the individual graduate degree programs for additional requirements on satisfactory academic progress, probation and disqualification.

## Credit/Registration

Because of the intensity of the Thunderbird graduate programs, the maximum number of credit hours students can take may be limited for per semester. Students should see the Thunderbird Student Handbook for more information.

Students may petition the Thunderbird School of Global Management Standards Committee through their academic director to register for more than the maximum allowable. No student should assume that a petition for overload will be granted.

Source URL: https://catalog.asu.edu/policies/global-management [1]

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/5775/body?destination=print/5775
[2] https://provost.asu.edu/academic-integrity
[3] https://graduate.asu.edu/academic-integrity
[4] https://webapp4.asu.edu/programs/t5/MajorMaps
[5] https://students.asu.edu/asrr
[6] https://catalog.asu.edu/course_load
[7] https://transfer.asu.edu/
[8] https://students.asu.edu/forms/incomplete-grade-request
[9] https://students.asu.edu/forms
[10] https://students.asu.edu/forms/medical-compassionate-withdrawal-request
[11] https://students.asu.edu/files/Medical-Compassionate\ Withdrawal\ Request.pdf
[12] https://tutoring.asu.edu/student-services/tutoring
[13] https://eoss.asu.edu/counseling/location
[14] https://students.asu.edu/financialaid
[15] https://students.asu.edu/tuitionrefundpolicy
[16] https://housing.asu.edu/residence/casa-de-oro
[17] mailto:w.westvso@asu.edu
[18] https://veterans.asu.edu/
[19] https://students.asu.edu/drop-add
[20] https://eadvisor.asu.edu/
[21] https://catalog.asu.edu/sites/default/files/attachment/tbird_concurrent_degree_petition.pdf
[22] https://students.asu.edu/programs/
[23] https://catalog.asu.edu/index.php?q=minors
[24] https://students.asu.edu/readmission
[25] https://graduate.asu.edu/policies-procedures

## College of Health Solutions

At the pulse of health, the College of Health Solutions is dedicated to developing the health workforce of the future. The college equips students to influence healthier lifestyle choices; develop creative interventions to improve the health of people and populations; analyze and translate large amounts of health data into solutions; maximize the technology, science, business and application of diagnostics; and address the critical and complex needs of the health care system. The college's programmatic focus is on behavioral health, biomedical diagnostics, biomedical informatics, executive education, exercise science, health promotion, health sciences, kinesiology, medical studies, nutrition, public health, the science of health care delivery, and speech and hearing science.

## Academic Integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity Policy is strictly enforced for students found in violation of this policy. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. More information is available at https://provost.asu.edu/academic-integrity [2].
For more information on graduate specific policies, students should refer to the specific graduate program manual, and they should see https://graduate.asu.edu/academic-integrity [3].

## Student Right of Appeal

A student accused and sanctioned for an academic integrity violation has the following rights:

- The student may discuss the matter directly with the faculty member.
- If the issue is not resolved after speaking with the faculty member, the student has the right to initiate a discussion with the director of the academic unit offering the course or the director's designee.
- If the issue is not resolved after speaking with the director or the director's designee, the student has the right to initiate a discussion with the CHS dean's office. If an XE for the course or a more severe sanction (e.g., suspension, expulsion) has been recommended by the faculty member, the student is strongly encouraged to meet with dean's office staff to discuss the allegation. Students may call 602-496-0241 to schedule an appointment with senior director of academic initiatives in the College of Health Solutions.
- The student may appeal to the College of Health Solutions Standards and Grievance Committee. After discussing the matter with the faculty member, director and dean's office staff, a student has the right to appeal the finding that an academic integrity violation has occurred or the sanctions levied to the CHS Standards and Grievance Committee. The appeal process is initiated by scheduling an appointment with the senior director of academic initiatives in the dean's office. Students have 10 working days from the date of the email or letter notifying them of the academic integrity violation to initiate an appeal. After the 10 days, the sanction requested by the faculty member is imposed and the matter will be closed.

Appeals are heard by the college's Standards and Grievance Committee, a body composed of faculty from across the college that serves as the dean's delegate. The committee meets no more than once a week during regular fall and spring semesters but not during summer, winter or the midterm breaks. After hearing the case, the committee deliberates and makes a written recommendation to the dean for her review. The final decision of the dean is communicated to the student and all appropriate parties in writing.

Unless a student successfully appeals the finding that an academic integrity policy violation has occurred, the dean's office will maintain a record of the incident and the sanctions. If the seriousness of the current situation or past violations warrant, the dean's office retains the right to impose or recommend sanctions in addition to those requested by a faculty member.

## Undergraduate Policies

## Academic Standing

The College of Health Solutions adheres to the university policy regarding academic good standing [4]. For students to maintain satisfactory academic progress they must:

1. maintain a minimum 2.00 grade point average (GPA [5]) each semester
2. maintain a minimum 2.00 cumulative GPA

## Exceptions

- Speech and Hearing Science majors must maintain a 2.80 GPA in ASU critical tracking courses.
- Nutrition (Dietetics) students must maintain a 3.00 GPA in critical tracking courses.
- Medical Studies students must maintain a 3.00 cumulative GPA.


## Probation

If their GPA is less than 2.00, students are placed on academic probation at the end of fall or spring semester. Students will be allowed to register for one additional semester after meeting with an academic advisor. Students on academic probation must meet with an academic advisor to discuss academic success strategies for the subsequent semester and will be required to take UNI 220 Mindset Connections as a graduation requirement. In addition, students who have fewer than 24 credit hours will be required to participate in the ASU Pathway for Achieving Student Success program [6].

## Continuing Probation

Students are placed on continuing probation when their cumulative GPA is less than 2.00 for two consecutive semesters but they have shown academic progress and not earned less than a " $C$ " in any course in the most recent semester.

## eAdvisor Tracking

In addition to being in university good academic standing, all students in the College of Heath Solutions must adhere to ASU critical tracking coursework [7], per the pertinent major map. For more information on critical tracking courses, students should review the major map for their degree program. Students are off track if they fail to meet ASU critical tracking requirements for two consecutive semesters. All off-track students will receive a hold requiring them to meet with their academic advisor and set a plan for getting back on track with their degree program.

Students who remain off track for two or more consecutive semesters may be required to change majors to a program that does not have the same critically tracked courses. For example, students not succeeding in chemistry may not change into another major that also critically tracks chemistry courses.

## Disqualification

Students are disqualified from the College of Health Solutions and ASU if their cumulative GPA remains less than 2.00 for two consecutive semesters. Students who are disqualified cannot enroll in classes at ASU for a minimum of two semesters (fall/spring). Disqualified students may take courses during the summer to raise their GPA; however, this does not guarantee reinstatement for the following fall semester. Disqualified students must apply for readmission/reinstatement for the semester they wish to return to the university. The college will not reinstate a student into any major whose purpose is to prepare students for professional school or professional credentialing nor will the college reinstate students into majors where they have failed to complete a required course twice at ASU.

## Remediation

Students are required to meet with an academic advisor if they are placed on probation, continuing probation, off-track status or are at risk for disqualification, at which point an appropriate remediation plan will be discussed.

## Advising

The Student Services Office in the College of Health Solutions is committed to maximizing the personal, social and academic experiences of students by providing high-quality, student-centered academic advising, ensuring the accuracy and accessibility of information and resources, and partnering with students to help them reach their career goals in health and the health care industry. Advisors are available to meet with students in each of the undergraduate programs in person, by email, and by phone.
Academic advising is required for the following students:

1. All freshman and new transfer students are required to meet with an academic advisor prior to course registration.
2. Students not in satisfactory academic standing (i.e., probation, continuing probation, off-track status, disqualification, etc.) are required to meet with an academic advisor to discuss a remediation plan.
Faculty and staff utilize Academic Status Reports [8] to provide student feedback over the course of the academic semester. The ASRs may be used to identify students who are struggling academically or professionally or to recognize students who are doing well. Academic advisors and faculty mentors may access ASRs to provide students with valuable insight into performance improvement.
In order to be successful in the College of Health Solutions, students are strongly encouraged to be proficient in the basic concepts in writing, math and science. Students are encouraged to use the following resources:

## Tutoring and Academic Support

Student Success Centers, located on all ASU campuses, offer free academic support resources for all students including:

- tutoring [9] - In-person and online tutoring options are available.
- writing support [10] - Students can receive help with a class writing assignment, a resume, and all other writing needs, from structuring a paper to proofreading.
- structured study groups [11] - Classmates get together to discuss concepts, compare notes and share strategies.

ASU Libraries, located on all ASU campuses, offer free online and in-person research support for all students including:

- subject librarians [12] - Research experts in each major are available to work one-on-one, and students are encouraged to make an appointment.
- ask a librarian [13] - Students receive help via chat (24/7), email, phone, or by visiting one of the library information desks.
- library guides [14] - Quick access to the best library resources is available online for specific majors, subjects, and courses.


## Career Services

ASU Career and Professional Development Services [15] offers students, alumni, and employers services on four university campuses across the Phoenix metropolitan area. Each location offers services such as career advising, interview and resume preparation, class and group presentations, on-campus recruitment and interviewing space, and recruitment and networking events.

## Credit/Registration

For fall or spring semesters, a minimum full-time course load for an undergraduate student is 12 credit hours. The maximum course load for which a student may register for is 18 credit hours during a fall or spring semester, with a maximum of nine credit hours in session $A$ and $B$, and the load limit may not exceed a total of 18 credit hours for any combination of sessions. A student wishing to register for more than the maximum must petition the college standards committee [16] and must obtain an approved overload prior to registration. The summer session credit hour load limit is seven credit hours for each six-week session and nine credit hours for the eight-week session, and the load limit may not exceed a total of 14 credit hours for any combination of sessions.

## Graduate Credits Earned by Undergraduate Students

ASU undergraduate students who have achieved senior status (cannot be postbaccalaureate) with a cumulative GPA of 3.00 or greater may count up to 12 graduate-level credit hours with grades of " B " or better that were not used toward a previous degree toward their graduate degree at ASU (preadmission credit hours) with the approval of the degree program and the Graduate College. Preadmission credits must have been taken within three years of admission to the ASU degree program to be accepted.
Accelerated bachelor's/master's programs may use a maximum of 12 preadmission credits which may include up to a maximum of 12 hours shared between the programs. Students in accelerated programs should contact their advisor to ensure proper sharing of credit hours. If a student has been accepted to an accelerated degree program, they do not have to petition the standards committee to take the shared courses.
Before registering for a graduate level course, students must petition [16] the College of Health Solutions Standards Committee through the Academic Advising Office to request permission to enroll in a specific course.

## Degree Requirements

## Concurrent Degrees

Students at Arizona State University are permitted to pursue concurrent degrees as long as they meet the requirements for both programs and receive permission in advance from the colleges offering their chosen majors. For example, a student in the exercise and wellness degree program may also petition to pursue a degree in Spanish. A student interested in pursuing a concurrent option may petition the College of Health Solutions Standards Committee if both degrees are offered by this college. If the second degree is offered by another college, the standards committees of both colleges must be petitioned separately.
Students earn a separate diploma for each degree. Degrees may not be too closely related.

## Minimum Requirements

1. sophomore standing or higher
2. minimum 3.00 GPA
3. minimum of 12 hours of coursework completed in the first major
4. minimum of nine hours of coursework completed in the second major
5. minimum of 30 unique hours of coursework in each major

In order to begin the process in the College of Health Solutions, students must petition [16] the college standards committee.

## Reinstatement/Readmission

Disqualified students who have missed a fall or spring semester must follow ASU procedures for readmission [17]. Students are also required to meet with a College of Health Solutions academic advisor prior to course enrollment. Exceptions may apply, including for students on leaves of absence and students who serve in the military. The college will not reinstate a student into any major whose purpose is to prepare students for professional school or professional credentialing; nor will the college reinstate students into majors where they have failed to complete a required course twice at ASU.

## Other Special Requirements

## Clinical requirements

Some degree programs offered in the College of Health Solutions require clinical training in hospital or ambulatory care settings. These clinical sites may require criminal background checks and proof of medical insurance or proof of immunizations or both.

## Special Considerations

## Medical/Compassionate Withdrawals

Medical/Compassionate withdrawals are available for students needing to withdraw from one or more classes due to a personal mental or physical health condition or the death or serious illness of a family member. More information concerning medical/compassionate withdrawal requests can be found here [18]. Students must meet specific criteria for a medical or compassionate withdrawal and must be able to provide the college's medical/compassionate withdrawal designee with supporting documentation. Students who are eligible or have questions about eligibility are encouraged to meet with their academic advisor.

## Incomplete Grades

The College of Health Solutions requires faculty and students to complete a Request for Grade of Incomplete [19] prior to having an incomplete grade posted for a class. The student requesting the incomplete must be passing, have completed a majority of the coursework and must have had an extenuating circumstance occur that prevents timely completion. If qualified, students have one calendar year to complete course requirements. If requirements are not met per the standards agreed upon with the course instructor after one calendar year, the incomplete grade adjusts to a course failure.
Military
Students with military or veteran status should utilize the Pat Tillman Veterans Center [20].

## Americans with Disabilities Act (ADA)

The College of Health Solutions is supportive of and compliant with the Americans with Disabilities Act. Reasonable accommodations are made for qualified students. Reasonable accommodation is defined as the provision of an auxiliary aid or modification to the course or program, which will allow access to the job duties, the educational process, program and degree, or activity. Students are encouraged to visit the Disability Resource Center. [21]

The Americans with Disabilities Act (ADA) 1990 provides comprehensive Civil Rights protection and is designed to remove barriers, which prevent persons with disabilities from accessing the same educational and employment opportunities as persons without disabilities. The law also provides access to public accommodations, state and local government services, transportation, and telecommunications. The Americans with Disabilities Act also prohibits discrimination against a qualified individual with a disability with regard to admission to educational institutions or vocational training programs (public or private); employee compensation; job training; and other terms, conditions and privileges of employment.

## Title IX Policy

Title IX of the Education Amendments of 1972 protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. Sexual harassment, which includes acts of sexual violence, is a form of sex discrimination prohibited by Title IX. ASU does not discriminate on the basis of sex in the employment, education programs or activities it operates. ASU and the College of Health Solutions are committed to providing an environment free from discrimination based on sex and provide a number of resources and services to assist students, faculty and staff in addressing issues involving sex discrimination, including sexual violence. Victims of sexual violence, sexual harassment, stalking and relationship violence are encouraged to seek support and report the incident.

## Graduate Policies

## Academic Integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity Policy [3] is strictly enforced for students found in violation. Possible sanctions could include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. For more information, students should refer to the specific graduate program manual.

## Academic Standing

Each graduate program in the College of Health Solutions adheres to specific academic requirements. Students are strongly encouraged to become familiar with the expectations listed in their respective graduate program manual.

## Advising

It is important for graduate students in the College of Health Solutions to cultivate the following skills in their development as a health professional:

1. Proactively identify problems and possible solutions.
2. Accept feedback in a positive manner.
3. Modify performance in response to feedback.
4. Communicate with others in a respectful and confident manner.
5. Assume responsibility for learning.

Academic advising at the graduate level is facilitated by graduate support staff through each unit (i.e., the International School of Biomedical Diagnostics, the Department of Biomedical Informatics, the School of Nutrition and Health Promotion, the Department of Speech and Hearing Science, the School for the Science of Health Care Delivery, the Doctor of Behavioral Health Program).
Faculty advisors meet with students in the academic area of concentration.

## Other Special Considerations

## Medical/Compassionate Withdrawals

Medical/Compassionate withdrawals are available for students needing to withdraw from one or more classes due to a personal mental or physical health condition or the death or serious illness of a family member. More information concerning medical/compassionate withdrawal requests can be found here [18]. Students must meet specific criteria for a
medical or compassionate withdrawal and must be able to provide the College's medical/compassionate withdrawal designee with supporting documentation. Students who are eligible or have questions about eligibility are encouraged to meet with their academic advisor.

## Military

Students with military or veteran status should utilize the Pat Tillman Veterans Center [20].

## Americans with Disabilities Act (ADA)

The College of Health Solutions is supportive of and compliant with the Americans with Disabilities Act. Reasonable accommodations will be made for qualified students. Reasonable accommodation is defined as the provision of an auxiliary aid or modification to the course or program, which will allow access to the job duties, the educational process, program and degree, or activity. Students are encouraged to visit the Disability Resource Center [21].

The Americans with Disabilities Act (ADA) 1990 provides comprehensive Civil Rights protection and is designed to remove barriers, which prevent persons with disabilities from accessing the same educational and employment opportunities as persons without disabilities. The law also provides access to public accommodations, state and local government services, transportation, and telecommunications. The Americans with Disabilities Act also prohibits discrimination against a qualified individual with a disability with regard to admission to educational institutions or vocational training programs (public or private); employee compensation; job training; and other terms, conditions and privileges of employment.
Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of the Graduate College and the College of Health Solutions.

## Title IX Policy

Title IX of the Education Amendments of 1972 protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. Sexual harassment, which includes acts of sexual violence, is a form of sex discrimination prohibited by Title IX. ASU does not discriminate on the basis of sex in the employment, education programs or activities it operates. ASU and the College of Health Solutions are committed to providing an environment free from discrimination based on sex and provide a number of resources and services to assist students, faculty and staff in addressing issues involving sex discrimination, including sexual violence. Victims of sexual violence, sexual harassment, stalking and relationship violence are encouraged to seek support and report the incident.

Source URL: https://catalog.asu.edu/policies/chs [1]

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2822/body?destination=print/2822
[2] https://provost.asu.edu/academic-integrity
[3] https://graduate.asu.edu/academic-integrity
[4] https://catalog.asu.edu/retention_standing
[5] https://students.asu.edu/gpa-calculator
[6] https://studentsuccess.asu.edu/success-programs/pass
[7] https://eadvisor.asu.edu/
[8] https://students.asu.edu/asrr
[9] https://tutoring.asu.edu/tutoring
[10] https://tutoring.asu.edu/writing-centers
[11] https://tutoring.asu.edu/studygroups
[12] http://lib.asu.edu/librarians
[13] http://lib.asu.edu/help
[14] http://libguides.asu.edu/
[15] https://eoss.asu.edu/cs/
[16] https://chs.asu.edu/students/advising/advising-forms
[17] https://students.asu.edu/readmission
[18] https://students.asu.edu/forms/medical-compassionate-withdrawal-request
[19] https://students.asu.edu/files/Incomplete\ Grade\ Request.pdf
[20] https://veterans.asu.edu/
[21] https://eoss.asu.edu/drc

## Honors - Barrett, the Honors College Policies

Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett. Each candidate must file an application to the college separate from the ASU application, in accordance with the appropriate Barrett deadlines.
Applicants are evaluated on the basis of their academic records, high school class ranking within their graduating class, and their performances on the SAT or ACT. The college also values students who have special talents and aptitudes, exhibit exceptional leadership qualities, have unusual life experiences and display significant community involvement. High school GPAs used in the evaluation process are calculated in accordance with the Arizona Board of Regents competency requirements, pursuant to ABOR Policy 2-102.

The Barrett admission application and additional information about the college and its activities are available at https://barretthonors.asu.edu [2].

## Undergraduate Policies

## Advising

Barrett students have advisors in their major, an assigned Barrett honors advisor [3], and faculty honors advisors in departments throughout the university. Students are encouraged to stay in regular contact with all these resources and are required to complete mandatory advising sessions with their Barrett honors advisor during the first, second and third year of study. To schedule an appointment with a Barrett honors advisor, call 480-965-9155 (Tempe campus), 602-4961757 (Downtown Phoenix campus), 480-727-5539 (Polytechnic campus) or 602-543-3410 (West campus).
Students can review honors opportunities in majors at https://barretthonors.asu.edu [4]. There are also special prelaw and prehealth advising opportunities for Barrett students. Students should contact the Barrett advising office for more information.

## Degree Requirements

## Barrett Academic Course Requirements

Honors students must maintain high standards of academic performance and show progress toward completion of graduation requirements in their disciplinary majors and in Barrett.

In order to graduate from Barrett, students must complete the following, which includes 36 credit hours of honors coursework:

1. HON 171 The Human Event and HON 272 The Human Event must be completed in sequence during a student's first two semesters in the college.
2. Thirty additional credit hours of honors coursework must be earned with a letter grade of "C" (2.00) or higher. This may include HON prefix classes, honors sections of classes, honors enrichment contracts or any automatic honors course.
3. Included in the 36 credit hours of honors coursework are at least 18 hours of upper-division or graduate-level honors credits for an earned letter grade of "C" (2.00) or higher, including six credit hours of honors coursework outside the academic major. Students should investigate specialized honors, upper-division tracks within their majors.
4. Those admitted as upper-division transfer students (students who, after high school, completed 48 university credits by the time of planned enrollment in Barrett) must complete HON 370 History of Ideas and 18 hours of upper-division honors coursework, six credits of which must be outside the academic major. Upper-division transfer students are required to complete 21 hours of upper-division honors coursework.
5. Students are required to complete an honors thesis or creative project for at least three credit hours, though some units may allow students to complete six credit hours of thesis or creative project work. The thesis credit hours may be included in the 18 required hours of upper-division honors coursework. The honors thesis or creative project is launched with a prospectus that is due one academic semester before the defense. Prior to enrolling for credit for a thesis or for creative project work, students must complete a required preparatory workshop or course. The final copy of the honors thesis or creative project must be filed by the posted deadline during the student's graduation semester.
6. ASU graduation requirements in an academic major must be met.
7. The student must maintain a cumulative ASU GPA of 3.25 or higher.

Barrett course requirements may be met in a variety of ways. Only courses in which a student receives a grade of " C " (2.00) or higher may be used to meet Barrett requirements.

Those entering the college as lower-division students may take as many as 18 lower-division honors credits, which include HON 171 The Human Event and HON 272 The Human Event, and at least 18 upper-division credits (total honors credits must be 36). HON 171 and HON 272 are transdisciplinary seminars that acquaint students with ideas that form the foundation of a university education and emphasize critical thinking, discussion, and writing.

Those who enter as upper-division students must take 21 upper-division honors credits, including HON 370 History of Ideas taught by an Honors Faculty Fellow. This seminar course introduces students to critical thinking, discussion, and writing in a topical area chosen by the instructor. All students are expected to complete this course during the first semester upon entering Barrett.

Departmental honors-only courses are limited to honors students. Enrollment in these courses is limited. Compared to their nonhonors equivalents, these courses are designed to offer a richer, more complex intellectual experience appropriate to the discipline and the level of the course for all students enrolled. Other disciplinary honors courses group honors students in small cohorts to work on research projects of common interest.
Honors enrichment contracts are available in many departmental courses, allowing honors students to contract with the instructors of designated non-honors courses to earn honors credit by pursuing enrichment activities, which include supplemental sessions with the instructor. Honors enrichment contracts must be filed during the first four weeks of class and be completed during the semester in which the course is offered. The enrichment contract form offers guidelines to aid students and faculty in developing appropriate contracts.
Courses reserved for students in Barrett and that always count for honors credit are those listed in the online ASU Class Search/Course Catalog as course numbers 492 Honors Directed Study, 493 Honors Thesis, and 497 Honors Colloquium; all classes with the HON prefix; and those with a departmental prefix that carry the honors designation.

Departmental courses numbered 492 and 493 are reserved for honors students completing their honors thesis or creative project. A student may enroll for these courses only with approval from the sponsoring academic department and the faculty member who serves as the student's thesis or creative project director. Course numbers listed in the ASU schedule of classes as 493 fulfill the student's upper-division literacy and critical inquiry ( L ) General Studies requirement.
Specific courses carry automatic honors credit. These include ACT 310 Mathematics of Finance, ACT 430 Mathematics of Financial Derivatives, CHE 211 Introduction to Chemical Processing, CEE/CNE 212 Engineering Mechanics II: Dynamics, CEE 486 Integrated Civil Engineering Design, CPI 310 Web-Based Information Management Systems, CSE 230 Computer Organization and Assembly Language Programming, EEE 230 Computer Organization and Assembly Language Programming, ENG 105 Advanced First-Year Composition (any in-person section), FSE 104 EPICS Gold Feasibility and Planning, FSE 150 Perspectives in Grand Challenges for Engineering, GRK 101 Elementary Ancient Greek, LAT 421 Roman Literature, PHY 201 Mathematical Methods in Physics I, and PHY 333 Electronic Circuits and Measurements. Graduate courses, 500 level and above, taught in an in-person format automatically earn honors credit.
For a full list of honors courses, including those that carry automatic honors credit, students should visit the Barrett Signature Courses webpage [5] and review the Honors Courses document.

Source URL: https://catalog.asu.edu/policies/barrett [1]

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2823/body?destination=print/2823
[2] https://barretthonors.asu.edu
[3] https://barretthonors.asu.edu/academics/advising-and-requirements
[4] https://barretthonors.asu.edu/
[5] https://barretthonors.asu.edu/academics/honors-courses-and-contracts/signature-courses

## College of Integrative Sciences and Arts Policies

The College of Integrative Sciences and Arts provides students throughout the university with the knowledge and skills to comprehend and effectively engage the changing world of the 21st century at local, national and global levels. The college offers graduate and undergraduate degree programs that prepare students for a rapidly changing marketplace and offers foundational instruction in humanities, social sciences, mathematics, sciences and professional fields. The college also affords an ASU student with fewer than 45 college credit hours the opportunity to explore all ASU degrees as an exploratory student.

## Academic Integrity

Academic honesty is expected of all students in all examinations, papers, projects, partnerships, internships, academic transactions, and records. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. The College of Integrative Sciences and Arts adheres strictly to the student code of conduct regarding academic dishonesty. A copy of the student code of conduct may be obtained online at https://provost.asu.edu/academic-integrity [2].

## Undergraduate Policies

## Academic Standing

To be considered in academic good standing in the College of Integrative Sciences and Arts, students must achieve a cumulative GPA of 2.00 or higher.

## Probation

Students who do not achieve a 2.00 GPA will be placed on university academic probation and must meet with an advisor to discuss academic success strategies. Students on academic probation will be required to take UNI 220 Mindset Connections. UNI 220 will appear on the students' DARS as a graduation requirement. In addition, students who have fewer than 24 credit hours will be required to participate in the ASU PASS [3] program.

Within one semester, a student on academic probation must do one of the following:

1. Raise their ASU cumulative GPA to 2.00 or higher, to return to academic good standing.
2. Obtain a semester GPA of 2.00 or higher, to be continued on probation. Students on continued academic probation may continue for as many semesters as needed to achieve academic good standing.

## Disqualification

Students who fail to meet the criteria for continued probation may be disqualified from ASU. Students who have been disqualified may attend summer sessions but not fall or spring sessions.

Once readmitted, the student may be placed on academic probation for at least one semester. Students on probation will have one semester to raise their cumulative or semester GPA to meet ASU academic good standing (2.00). Failure to do so will result in disqualification from the university.

## Academic Policy Appeals

Academic appeals regarding college policies or other variances or exceptions should be discussed with the student's Academic Success Specialist, and students may be required to submit a College of Integrative Sciences and Arts Standards Committee petition. Some petitions may require a secondary review by the ASU University Undergraduate Standards Committee. For more details, students should visit https://cisa.asu.edu/standards_petitions [4].

## Advising

All students are encouraged to seek advising from their Academic Success Specialist (academic advisor) prior to registration. Students must review the academic calendar [5] each semester for information and deadlines pertaining to enrollment including course adds, drops and withdrawals.

The ASU academic catalog is the governing source for all degree requirements. Students are expected to read the requirements for university general studies, college graduation and major degree requirements. Academic Success Specialist will provide guidance.
Advising Information: https://cisa.asu.edu/advising [6]

## Mandatory Advising

The following students in the College of Integrative Sciences and Arts must receive advising clearance prior to course registration:

- new students in all exploratory tracks
- new students in their first semester of attendance
- readmitted students in their first returning semester
- students on academic probation or continued probation
- students who have been disqualified
- students who are off track for graduation

Students are encouraged to use My ASU to check their advising status requirements each semester before attempting any registration transactions.

## Credit/Registration

Students enrolling in courses offered by the College of Integrative Sciences and Arts are expected to follow the rules and deadlines specified in this catalog and the current registration and tuition payment guide. Students are encouraged to meet with their Academic Success Specialists before registration.

## Course Load

Students may enroll in a maximum number of 18 credit hours per fall or spring semester, with a maximum number of nine credits taken in session A or Session B. Students may enroll in a maximum of 14 credits for a summer session, with no more than seven credits in session A or B. Students may enroll in a maximum of 9 credits for the summer session C (eight weeks).

- First-semester freshmen and entering transfer students are not permitted to register for more than 18 credit hours in the initial 15 -week semester or 9 credit hours in session $A$ and nine credit hours in session $B$.
- Any student wishing to enroll in more than the 18 credit hour limit in the fall or spring (or 14 in summer) or more than the nine credit hour limit in an A or B session (or seven hour limit in summer) should first meet with their Academic Success Specialist to discuss a course overload. Some overload requests may require College of Integrative Sciences and Arts standards petition approval.
For more details on credit hour limits, students should visit https://catalog.asu.edu/course_load [7]. More details on the petitioning process are available at https://cisa.asu.edu/standards_petitions [4].


## Repeat/Replace Policy

Students wishing to repeat courses and possibly replace prior course grades must follow the repeat/replace policy [8] stated in the University Student Services Manual [9] regarding the number of credit hours that can be repeated and the types of courses that are eligible for a grade replacement.

Students wishing to repeat a course for a third time must petition the College of Integrative Sciences and Arts Standards Committee.

## Pass/Fail Grade Option

A grade of " $Y$ " (satisfactory) contributes to a student's earned hours but does not affect the GPA. A failing grade of "E" is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted from the instructor and college offering the course.
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the drop/add period.
- A maximum of 12 hours taken for pass/fail may be counted toward graduation.


## College of Integrative Sciences and Arts students may not enroll under the pass/fail option in the following courses:

- first-year composition requirements
- major, minor, concentration area, or certificate program
- honors credits
- language proficiency requirements
- general studies requirements


## Audit Grade Option

Students may choose to audit certain courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the courses. The option to audit is not available for all courses. This grade option may not be changed after the drop/add period.

## Degree Requirements

All candidates for graduation are required to complete at least 120 credit hours, of which at least 45 hours must consist of upper-division courses. A minimum ASU cumulative GPA of 2.00 is required for graduation. All new College of Integrative Sciences and Arts freshman students are required to enroll in an ASU 101 course during their first ASU semester.

## Minors

The college offers minors in many of its disciplines. All minors must entail a minimum of 18 hours in the discipline with at least 12 of those hours as upper-division courses.

- Six of the upper-division hours must be taken from courses offered by the College of Integrative Sciences and Arts.
- Students may not use courses in their minors toward major core requirements and, similarly, students may not use courses in their major core requirements to fill the requirements of their minors. Students should see an academic success specialist for more details.
- Some disciplines are too close in content for a student to choose a particular combination of minor and major.


## Concurrent Degrees

The college allows students to request approval from the college to pursue a concurrent degree if they have completed at least 30 graded credit hours with a minimum GPA of 2.00 . Concurrent degrees may not be from the same discipline or have overlap in the courses required for each major. Students must earn at least 30 unique credit hours for each degree.

To request a concurrent degree, students must meet with an academic advisor in each degree program and complete a College of Integrative Sciences and Arts Standards Petition form available at https://cisa.asu.edu/standards_petitions [4].

## Critical and Necessary Requirements

All undergraduate majors at ASU provide an eight-term course plan leading to four-year graduation; it is called a major map. College of Integrative Sciences and Arts students must meet the critical and necessary requirements listed on their major maps.

A student who does not comply with the critical requirements is off track and will have a hold placed on their record, and the student will be required to meet with a College of Integrative Sciences and Arts Academic Success Specialist to discuss their progression toward graduation. For more information about critical requirements, students should refer to the corresponding major map or eAdvisor https://eadvisor.asu.edu/ [10].

## Exploratory Tracks

All first-year students who choose to become an exploratory student are required to declare an exploratory track in one of four areas:

- exploratory social and behavioral sciences
- exploratory health and life sciences
- exploratory humanities and fine arts
- exploratory math, physical sciences, engineering and technology

Each of these tracks is designed to provide students with introductory courses in a field of choice (e.g., introduction to psychology, introduction to environmental design), General Studies education and elective courses that reinforce student interests. Each exploratory track is composed of a three-semester major map, culminating in the declaration of a major no later than the completion of 45 credit hours.

All exploratory students are required to enroll in a major and career exploration class (UNI 150, 250, or 270) each semester the student remains designated as an exploratory student.

## Reinstatement/Readmission

Students who have been disqualified from ASU may be readmitted to the College of Integrative Sciences and Arts for a fall or spring semester if they complete one of the following:

1. Raise their ASU cumulative GPA to 2.00 by taking ASU summer session courses.
2. Complete 12 or more transferable credit hours at a community college or university with no grade lower than a "C" and a GPA of 2.50 or better. Courses in which the student failed or received a "D" at ASU should not be repeated at another institution.

Once readmitted, the student may be placed on academic probation for at least one semester. Students on probation will have one semester to raise their cumulative or semester GPA to meet the required 2.00 GPA to remain at ASU. Failure to do so will result in disqualification from the university.

## Graduate Policies

Students should review graduate policies at https://graduate.asu.edu/policies-procedures [11].
Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those established by the Graduate College and the College of Integrative Sciences and Arts.

Source URL: https://catalog.asu.edu/policies/sls [1]

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2826/body?destination=print/2826
[2] https://provost.asu.edu/academic-integrity
[3] https://studentsuccess.asu.edu/success-programs/pass
[4] https://cisa.asu.edu/standards_petitions
[5] https://students.asu.edu/academic-calendar
[6] https://cisa.asu.edu/advising
[7] https://catalog.asu.edu/course_load
[8] http://www.asu.edu/aad/manuals/ssm/ssm203-06.html
[9] http://www.asu.edu/aad/manuals/ssm/index.html
[10] https://eadvisor.asu.edu/
[11] https://graduate.asu.edu/policies-procedures

## New College of Interdisciplinary Arts and Sciences Policies

The New College of Interdisciplinary Arts and Sciences is dedicated to providing knowledge on the cutting edge, preparing students with the abilities they will need to succeed in the 21 st century.

New College offers an interdisciplinary approach through building upon the knowledge of multiple disciplines, such as history, religion, psychology, sociology, biology and statistics, bringing them together to meet such challenges as how to develop sustainable societies, create social justice and human rights, end poverty, and understand who we are and what gives meaning to our lives.
New College focuses on the arts and sciences, a curriculum grounded in the study of a particular discipline or major within a broad general education that provides students with the ability to think critically, to express themselves in speaking and writing, to use quantitative and technological skills in solving problems, and to understand how values shape individuals and societies.

Further, in the tradition of a liberal arts education, New College is built upon close faculty-student relationships, and a large number of undergraduates pursue their own faculty-sponsored independent research projects. Students are also granted the opportunity to integrate the curricular with extracurricular life through not only lectures, discussions and activities outside the classroom but also through internships and service-learning opportunities in local businesses and organizations. For more information, students should see https://newcollege.asu.edu/ [2].

## Academic Integrity

The New College of Interdisciplinary Arts and Sciences adheres to ASU's Student Academic Integrity Policy. Therefore, academic honesty is expected in all areas of student work, including examinations, written work, laboratory assignments, internships, group work and all other necessary transactions. If academic integrity is compromised, possible sanctions include course assignment grade penalties, failure of course, disqualification and dismissal from the university. For more information, students should see https://provost.asu.edu/academic-integrity/ [3].

## Undergraduate Policies

## Academic Standing

New College students must achieve a cumulative GPA of 2.00 in order to be considered in good academic standing at ASU. Students with a semester or cumulative GPA of less than 2.00 are placed on academic probation and are required to meet with an advisor to effectively plan academic progress toward graduation. Further information is available at https://catalog.asu.edu/retention_standing [4].

## Advising

All students in New College are encouraged to seek academic advisement prior to course enrollment each semester.
To ensure students are making timely progress toward degree completion, advising may be required for the following:

- newly admitted students
- freshman students
- students on academic probation
- students off-track for eAdvisor tracking requirements

Advising information for New College is available at https://newcollege.asu.edu/college-advisor [5].
For eAdvisor tracking and other general academic program information, students should
see https://students.asu.edu/academics [6].

## Credit/Registration

## Audit Grade Option

Students may choose to audit a course, allowing them to attend but not earn credit. Students must obtain instructor approval prior to enrollment (https://students.asu.edu/grades [7]). This grade option may not be changed after the drop/add period.

The audit option may be used under the following conditions:

- Approval has been granted from the instructor and college offering the course.
- The audit option is chosen during initial registration for the course.


## Course Load

Students are limited to a maximum of 18 credit hours per term. Enrollment in additional credit hours requires approval from the college academic advisor.

## Course Prerequisites

Course prerequisites are established to ensure student success in a course. Students must complete all course prerequisites prior to enrolling in the desired course. Prerequisite overrides may be granted under the following conditions:

- A transfer course has been accepted by an advisor to fulfill required course prerequisite.
- A prerequisite override has been granted by an advisor.


## Grade of Incomplete

A grade of incomplete for a course may be granted by permission of the instructor under the following conditions:

- The student is in good standing academically at ASU.
- The student has completed a substantial portion of the required coursework.
- The student has experienced extenuating circumstances prior to the end of the semester, preventing completion of the course; students should see https://students.asu.edu/forms/incomplete-grade-request [8].


## Pass/Fail Grade Option

A grade of " $Y$ " (satisfactory) contributes to a student's earned hours but does not affect the GPA. A failing grade of " $E$ " is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- Approval has been granted by the instructor and the college offering the course.
- The pass/fail option was chosen during initial registration for the course, if available.

New College students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy first-year composition requirements
- those taken from the student's major, minor or certificate program
- those taken for honors credits
- those counted toward satisfying New College general studies requirements
- those counted toward satisfying New College proficiency requirements in math or language and cultures


## Transfer Credit

Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades less than " C " (2.00) transfer to ASU. Credits transferred from a community college or two-year institution are applied as lower-division credits. For a listing of the acceptable courses transferable to the various degree programs, prospective Arizona transfer students should consult their advisors and refer to the ASU transfer tools: https://transfer.asu.edu [9].

Some courses taken from other ASU colleges or other universities may be acceptable for general university credit but may not be applicable toward the degree requirements of the schools. Determination of those particular courses applicable to a specific degree program is made within the appropriate academic unit.

## Withdrawal

## Complete Session Withdrawal Information

Since a complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences, undergraduate students are required to contact their academic advisor to facilitate the withdrawal process.
Students must complete the following steps in the order in which they are listed:

1. Fill out a complete session withdrawal form (https://newcollege.asu.edu/advising/completewithdrawal [10]).
2. Make an appointment with their advisor, and take the form to the appointment.

ASU has many resources in place to help students. Students may want to consider one or more of the following:

- Withdraw from just one or two classes (course withdrawal): Students may withdraw from a class while remaining enrolled in other classes as long as the withdrawal is completed between the drop/add deadline and the course withdrawal deadline. Students are encouraged to contact their academic advisor to discuss the impact this may have on meeting critical requirements. Students are also encouraged to contact a financial aid representative to consider any impact withdrawing will have on scholarships, grants and loan packages.
- Request a medical or compassionate withdrawal: Medical or compassionate withdrawals are available for students withdrawing from one or more classes due to extraordinary personal mental or physical health conditions or the death or serious illness of a family member or close friend. For information concerning medical or compassionate withdrawal requests, students should see https://students.asu.edu/forms/medical-compassionate-withdrawal-request [11].
- Seek tutoring or academic support services: The Student Success Center provides a variety of services to help students become better learners and gain the confidence and skills to achieve their academic goals. Services include writing centers, math tutoring, subject area tutoring and supplemental instruction. More information about the Student Success Center is available at https://tutoring.asu.edu/studentservices/tutoring [12].
- Make an appointment with ASU's Counseling Services: Counseling and mental health services are provided at each of the four ASU campuses. ASU students may seek services at any of the campus counseling centers, regardless of their college affiliation. Students should visit https://eoss.asu.edu/counseling/location [13].
- Explore the possibility of an "l" (incomplete) grade.


## Possible consequences resulting from a complete session withdrawal:

- Financial aid: Financial aid recipients who completely withdraw from the university may be responsible for immediate repayment of funds. The effect of a complete withdrawal from financial aid depends on when the withdrawal is dated and the type of financial aid. Students should see https://students.asu.edu/financialaid [14] for more information.
- Tuition and refunds: The date of a complete withdrawal will determine whether or not a tuition refund will be generated. Students should review the tuition refund policy [15] for more information.
- Health insurance: Students should contact their health insurance company to determine whether or not withdrawing from the university affects their coverage.
- Residential life: Students who live on campus should contact their residential hall community staff to determine what impact withdrawing will have on their eligibility to live on campus and to complete a license agreement release form and arrange an appointment to officially check out. For more information, students should see https://housing.asu.edu/living/lar-release [16].
- Veteran benefits and certifications: Students should contact the appropriate veteran benefits and certifications office to discuss information regarding veterans' educational benefits and military activation. For more information, students should send an email to w.westvso@asu.edu [17] or visit https://veterans.asu.edu [18].
Procedures for general university withdrawal are at https://students.asu.edu/drop-add [19].


## Degree Requirements

All candidates for graduation in the BA, BS and BAS curricula are required to present at least 120 credit hours, of which at least 45 credit hours must consist of upper-division work. A minimum cumulative GPA of 2.00 is required for graduation. Students must complete a New College residency requirement of a minimum of 12 credit hours of upper-division (300and 400-level) coursework from the school housing the student's major.

It is the student's responsibility to be aware of the degree program requirements and to select courses accordingly.
To graduate, a student must satisfy the following requirements:

- ASU 101 or equivalent (freshman students)
- IAS 300 (transfer students)
- college proficiency requirements for language and cultures and for mathematics
- university first-year composition and General Studies requirements
- major requirements that involve concentrated coursework in one program
- successful completion of critical-tracking courses as required on the student's major map

Information on critical tracking and eAdvisor tools, such as the student's major map, is available at https://eadvisor.asu.edu [20].

## Proficiency Requirements

Each student is required to demonstrate proficiency in the analysis of language and cultures and also mathematics by passing an examination or by completing the courses specified below with a grade of " $C$ " (2.00) or better in each course.
Students considering graduate work after completion of a bachelor's degree should consult with faculty advisors regarding language requirements in their intended areas of study.
Language and Cultures: This requirement may be satisfied through one of the following:

- completion of secondary education at a school in which the language of instruction is not English
- completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV
- completion of an upper-division course or courses taught in a foreign language, taken in the United States or the relevant country
- completion of six credit hours of upper-division courses that have a global awareness designation (G) or cultural diversity in the U.S. designation (C) in addition to the courses used to meet the university General Studies requirements
- completion of two sequential semesters of coursework in a current computer language

Students may obtain information about applicable coursework through the college advising office.
Mathematics: Students are required to complete MAT 142 or any MAT course for which MAT 117 or a higher-level MAT course is a prerequisite.

## Major Requirements

Each student is required to select a major from among the programs offered by the New College of Interdisciplinary Arts and Sciences.

The major program may require up to 51 credit hours of coursework. The minimum is 30 hours. A maximum of 18 additional hours may be required in related courses and prerequisites. No more than 63 credit hours of coursework may be required to complete the major, related courses and prerequisites.
No credit is granted toward fulfilling major or minor requirements in any upper-division course in the subject field of the major unless the grade in that course is at least a " C " (2.00). Normally, a " $Y$ " (pass) grade needs confirmation that it is equivalent to a "C" (2.00) or better.

## General Electives

Upon completion of all other requirements, the remainder of the minimum 120 credit hours required for graduation is general electives. Students should contact college advisors for assistance in selecting elective courses.

## Concurrent Degrees

Students in the New College of Interdisciplinary Arts and Sciences are eligible to seek concurrent degrees. If both disciplines of the desired concurrent program are offered by New College, sharing of credits is allowable; however, if the program overlap is too significant between the two programs, the petition may not be granted.

Students are eligible to pursue a concurrent degree when the following criteria have been met:

- The student has completed a minimum of 12 credit hours and all prerequisites within the first major.
- The student has maintained a cumulative GPA of 3.00 or greater.
- The student may not wait until the final semester to petition for approval to pursue a concurrent degree.

To be approved to pursue a concurrent degree, students must file a Petition to Pursue Concurrent Degree form: https://newcollege.asu.edu/advising/forms [21].

## Minors

New College offers minors in many of its disciplines. All minors require a minimum of 15 credit hours in the discipline with at least nine of those hours completed as upper-division coursework. Six of the upper-division hours must be taken from courses offered by the New College of Interdisciplinary Arts and Sciences. Courses used in the minor may not be used in the student's major program. https://catalog.asu.edu/index.php?q=minors [22]

## Reinstatement/Readmission

Undergraduate degree-seeking students having previously attended ASU but not enrolled at ASU for one fall or spring semester or no more than two consecutive semesters are eligible to return through quick reentry. These students are not required to submit a new application or application fee but must contact an academic advisor in their school to enroll.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in a New College program are required to apply for readmission through Admission Services
https://students.asu.edu/readmission [23].
Disqualified students must follow the procedures for readmission and will be reviewed by the college on a case-by-case basis.

## Other Special Requirements

## Grievance Policy

Undergraduate students with grievances pertaining to an enrolled course should first address issues with the course instructor. If the identified grievance is not resolved with the course instructor, the student should meet with the school's director or associate director. Finally, if no resolution has been achieved, the student should contact the executive director of Academic Services in the dean's office at 602-543-7000.

## Graduate Policies

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Graduate students should review the New College Standards of Satisfactory Progress [24] and policies established by the Graduate College [25].

## Source URL: https://catalog.asu.edu/policies/new_college [1]

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2828/body?destination=print/2828
[2] https://newcollege.asu.edu/
[3] https://provost.asu.edu/academic-integrity/
[4] https://catalog.asu.edu/retention_standing
[5] https://newcollege.asu.edu/college-advisor
[6] https://students.asu.edu/academics
[7] https://students.asu.edu/grades
[8] https://students.asu.edu/forms/incomplete-grade-request
[9] https://transfer.asu.edu/
[10] https://newcollege.asu.edu/advising/completewithdrawal
[11] https://students.asu.edu/forms/medical-compassionate-withdrawal-request
[12] https://tutoring.asu.edu/student-services/tutoring
[13] https://eoss.asu.edu/counseling/location
[14] https://students.asu.edu/financialaid
[15] https://students.asu.edu/tuitionrefundpolicy
[16] https://housing.asu.edu/living/lar-release
[17] mailto:w.westvso@asu.edu
[18] https://veterans.asu.edu
[19] https://students.asu.edu/drop-add
[20] https://eadvisor.asu.edu
[21] https://newcollege.asu.edu/advising/forms
[22] https://catalog.asu.edu/index.php?q=minors
[23] https://students.asu.edu/readmission
[24] https://newcollege.asu.edu/sites/default/files/files/advising/documents/nc-
satisfactoryacademicprogresspolicy_fall_2014_v.1.pdf
[25] https://graduate.asu.edu/policies-procedures

## Walter Cronkite School of Journalism and Mass Communication Policies

The Walter Cronkite School of Journalism and Mass Communication has a student-centered culture focused on helping students complete their degrees in a timely manner. The school encourages students to visit the school's website https://cronkite.asu.edu [2] or contact its student services center at 602-496-5055 with questions about any of the school's policies.

## Academic Integrity

The Cronkite School has zero tolerance for academic dishonesty, and this is enforced in every course and educational activity offered or sanctioned by the school. Any allegation of academic dishonesty is referred to the school's standards committee for review and recommendation to the dean of the school. If any student is found to have engaged in academic dishonesty in any form --- including but not limited to cheating, plagiarizing and fabricating --- that student shall receive a grade of "XE" (academic dishonesty) for the class and is dismissed from the school. There are no exceptions.
At the beginning of every Cronkite class, each student is given a copy of the full academic integrity policy along with accompanying information on plagiarism. Students must sign a pledge that indicates they have read and understood the material and agree to abide by the policy.

The policy, along with guidance on how to avoid plagiarism and fabrication, can be found at http://cronkite.asu.edu/assets/pdf/Academic_Integrity_Policy.pdf [3].
The Cronkite School notifies the Graduate College if a graduate student is being recommended for dismissal from the school for having engaged in academic dishonesty.

## Responsibilities Related to Academic Integrity

Accuracy: Since accuracy is the most important aspect of journalism, the Cronkite School adheres to rigid standards. Any major error of fact such as a misspelled proper name, an erroneous phone number, an incorrect address, a libelous statement or a misstatement of a major fact, or anything else that would require a printed correction if the story were to appear in a newspaper will result in an " $E$ " ( 55 percent) on an assignment. Misspellings or errors of grammar will bring a student's grade down. Carelessness will cause a student to lose points fast.
Attendance and make-up work: Students are expected to be in every class and to arrive on time. Absences are not excused nor is lateness. Make-up work is not be given; if a student misses an in-class assignment, quiz or test, the student receives a zero.
Deadlines: Like accuracy, the ability to meet deadlines is a hallmark of good journalism, and students are expected to meet them. Assignments submitted even one minute past the deadline are not accepted; the student receives a zero.
Diversity principles: The Cronkite School practices inclusivity in student, staff and faculty populations in order to create an academic environment that embraces diversity of thought and acceptance of all people regardless of race, gender, age, sexual orientation or societal, political, cultural, economic, spiritual or physical differences. The principles are posted at https://cronkite.asu.edu/about/diversity-principles [4].
ACEJMC values and competencies: As a member of the Accrediting Council on Education in Journalism and Mass Communication, the Cronkite School is committed to classroom learning that achieves ACEJMC professional values and competencies. These include the core areas: freedom of speech, ethics, diversity, critical thinking, research, writing and use of tools and technologies related to the field. For a full list of ACEJMC values and competencies, students should see http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML\#vals\&comps [5].
Social media guidelines: It is important that students of journalism and communication know how to use social media ethically and professionally. The Cronkite School has developed standards drawn from the Poynter Institute for Media Studies and the Society of Professional Journalists. Those guidelines may be found at https://cronkite.asu.edu/degree-programs/admissions/student-resources/social-media-guidelines [6].

## Undergraduate Policies

## Academic Standing

## Probation

All ASU students, freshman through senior, must maintain a minimum GPA of 2.00 for all courses completed at ASU. If this standard is not maintained, the student is placed on probation. Students on probation must see an advisor before further registration and must do one of the following:

1. Raise the ASU cumulative GPA to 2.00 or greater in order to return to academic good standing.
2. Obtain a semester GPA of 2.50 with no grade less than a " $C$ " in order to be granted one additional semester on continued probation. At the end of the continued probation, the student must return to academic good standing (a minimum cumulative ASU GPA of 2.00) to avoid disqualification.

## Disqualification

Students who do not meet probation requirements are academically disqualified. Disqualified students should meet with their academic advisors. These students may attend ASU only during the summer session immediately following disqualification.

Cronkite School Journalism and Mass Communication and Sports Journalism majors: Students in these majors must maintain a minimum GPA of 2.50 for all courses completed at ASU in order to be in good standing in the major. If a student's cumulative GPA is less than a 2.50 , the student has one semester to raise his or her cumulative GPA to meet the requirement. Failing to raise the cumulative GPA to a 2.50 or greater results in the student having to change his or her major from Journalism and Mass Communication or Sports Journalism.
Cronkite School Mass Communication and Media Studies majors: Students in this major follow the university policies for GPA requirements, probation and disqualification.

## Advising

Cronkite School undergraduate students are assigned an advisor by the student's last name. Students should see the undergraduate advising page for specifics: https://cronkite.asu.edu/student-life/undergraduate-advising [7].
To ensure students are making progress toward their degrees, the Cronkite School encourages students to check in with their advisors each semester. Advising is mandatory for:

- first-time freshmen, both semesters their first year at ASU
- students who have completed 75 credit hours
- transfer students prior to enrolling for their first semester at ASU
- students on probation
- students who are off track in the major

ASU Online students are strongly encouraged to make an appointment with their respective advisors before enrolling for their first semester.

For additional information, students should contact the Cronkite School's advising center at 602-496-5055.
Students should follow the sequence of courses outlined on major maps and online degree audits and contact their Cronkite advisor with any questions. Critical requirements for freshmen in the school are available at https://cronkite.asu.edu [2].

## Credit/Registration

## Changes of Major

Students are eligible to change their major if they meet the criteria below.
Journalism and Mass Communication and Sports Journalism degree programs: Current ASU students are eligible for admission if they have a cumulative GPA of at least 3.00 in 12 or more hours of credit earned at ASU in courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements.
Transfer students with at least 12 hours of academic credit earned after high school and at least a 3.00 cumulative GPA are eligible for admission.

Online Mass Communication and Media Studies degree program: Current ASU students who have a cumulative GPA of at least 2.00 are eligible for admission.
Prospective transfer students (not yet admitted to ASU) and ASU students who have a cumulative GPA less than 3.00 are encouraged to meet with a Cronkite School advisor. To schedule a meeting, students should contact the advising center at 602-496-5055.

## Transfer Credit

Students may apply up to 64 credits of coursework from an accredited two-year institution to their degree. Students may apply up to nine credit hours of approved upper-division journalism coursework from a four-year ACEJMC-accredited institution to the Cronkite School's journalism degree requirements. Students interested in having these courses reviewed should provide detailed syllabi and course schedules to the Cronkite School's academic standards committee. Students should see their academic advisors for help.

## Degree requirements

All Cronkite students must meet the critical requirements for their majors. Students who are required to follow eAdvisor tracking requirements and do not comply with the critical requirements are off track, and a hold is placed on their records. These students must meet with an advisor to have the hold removed.
Specific requirements for the Journalism and Mass Communication degree can be found at https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSJMCBA/undergrad/false [8].
Specific requirements for the Sports Journalism degree can be found at https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSSPJBA/undergrad/false [9].

Specific requirements for the Mass Communication and Media studies degree can be found at https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSMCMSTBA/undergrad/false [10].

## Concurrent Degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.

## General rules for students pursuing concurrent degrees in the Walter Cronkite School of Journalism and Mass Communication:

- Currently enrolled Cronkite School Journalism and Mass Communication or Sports Journalism majors who would like to add a concurrent degree must have a cumulative ASU GPA of 2.50 or greater and must have completed 30 credit hours of coursework.
- Currently enrolled Cronkite School Mass Communication and Media Studies majors who would like to add a concurrent degree must have a cumulative ASU GPA of 2.00 or greater and must have completed 30 credit hours of coursework.
- ASU students not enrolled in the Cronkite School who would like to add a concurrent degree in journalism and mass communication or sports journalism must be in good academic standing with an ASU, have a cumulative GPA of at least 3.00 and must have completed 30 credit hours of coursework.
- ASU students not enrolled in the Cronkite School who would like to add a concurrent degree in mass communication and media studies, offered online, must be in good academic standing, have a cumulative GPA of at least 2.00 in an ASU Online degree program and must have completed 30 credit hours of coursework.
- The Cronkite School requires that students enrolled in Journalism and Mass Communication or Sports Journalism majors take a minimum of 36 credit hours of Cronkite School courses.
- The Cronkite School requires that students enrolled in the Mass Communication and Media Studies major take a minimum of 30 credit hours of Cronkite School courses.
- A student may not take concurrent degrees in journalism and mass communication, sports journalism, or mass communication and media studies.


## Procedures for adding a concurrent degree:

1. Once a student has decided to declare a concurrent degree, the student should inform the academic advisor for each degree in order to receive proper information about degree requirements, courses, etc.
2. When a student meets the requirements for a concurrent degree, the student should complete a Standards Committee Petition [11] and turn it in to the assigned Cronkite School academic advisor [7]. Students in the Cronkite School are assigned an advisor by the student's last name.
3. The student also needs to contact the college offering the concurrent degree to be added and follow that college's procedures for requesting and pursuing concurrent degrees.
4. If a student no longer wishes to pursue a concurrent degree, the student should email that intention to the academic advisor, and the message should include the student's full name and ASU ID number as well as which degree the student wants to have removed from the academic record.
Any questions should be directed to Cronkiteadvising@asu.edu [12].
Additional information about specially designed Cronkite concurrent degrees can be found on the Cronkite School Dual Degree Programs [13] page.

## Reinstatement/Readmission

Students seeking readmission after being discontinued from the university should contact undergraduate admission services at https://students.asu.edu/contact/admissions [14].

## Other Special Requirements

## Major Proficiency Requirements

All Cronkite students must receive at least a "C" (2.00) or better in all JMC and MCO courses. Journalism and Mass Communication and Sports Journalism majors must also receive a grade of "B-" (80 percent) or better in JMC 101 Grammar for Journalists. Students must also maintain at least a cumulative GPA of 2.50 to be eligible to enroll in JMC and MCO classes.

## Graduate Policies

The Walter Cronkite School of Journalism and Mass Communication is a nationally recognized professional program that prepares students for careers as reporters, editors, producers, correspondents, anchors and multimedia journalists. Our students go on to online media outlets, television stations, newspapers, magazines, radio stations, websites and digital media companies.
The school consistently ranks in the top 10 in the annual Hearst intercollegiate journalism competition, often called the Pulitzer of college journalism. And the school's students have finished first in the Society of Professional Journalists' Mark of Excellence Awards for a record 16th consecutive year. The faculty consists of award-winning professional journalists and world-class media scholars. The school is housed on ASU's Downtown Phoenix campus, in the middle of one of the nation's largest media markets.
More information on the school's academic standards, policies and procedures and those of the Graduate College can be found at https://graduate.asu.edu/policies-procedures [15].

## Academic Integrity

Academic dishonesty in any form is not tolerated in the Walter Cronkite School of Journalism and Mass Communication.
The crux of our democracy is the ability of citizens to obtain honest, truthful and balanced information, and the credibility and integrity of the individual journalist and communications professional are crucial in that effort.

In light of the Cronkite School's mission to prepare students to become journalists and communication professionals, it is critical that credibility and integrity are fostered within the educational environment of the school. To that end, zero tolerance for academic dishonesty is enforced for every course and educational activity offered or sanctioned by the school.

Any allegations of academic dishonesty automatically is referred to the standards committee of the school for review and recommendation to the dean of the school. If any student is found by the committee to have engaged in academic dishonesty in any form, including but not limited to cheating, plagiarizing or fabricating, that student receives a grade of "XE" (academic dishonesty) for the class and is dismissed from the Walter Cronkite School of Journalism and Mass Communication. There are no exceptions. The Cronkite School Academic Integrity Policy is available at https://cronkite.asu.edu/assets/pdf/Academic_Integrity_Policy.pdf [16]

The Cronkite School notifies the Graduate College if a graduate student is being recommended for dismissal from the school for having engaged in academic dishonesty.

## Admission

Candidates for the Master of Mass Communication or Master of Arts in sports journalism degrees apply online at https://students.asu.edu/graduate/how-and-when-apply-graduate-admission [17]. Candidates must meet the Graduate College admission requirements before the Cronkite School can review the application. Applicants must submit official transcripts in sealed envelopes directly to Graduate Admission Services. An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency and must also submit the results of the TOEFL.

Candidates for the online Master of Science in business journalism apply online
at https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRCS\&plan=CSBSJMS\&subplan=\&campus=ONLINE [18] . Candidates must submit a graduate application, application fee and official transcripts. An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency with an internet-based TOEFL score greater than 100.

## Plan of Study

After completing 50 percent of the minimum credit hours required for the Master of Mass Communication, Master of Arts in sports journalism degrees or Master of Science in business journalism degrees, students must submit an official plan of study with the Walter Cronkite School of Journalism and Mass Communication. The plan of study is available online in the My Programs box on My ASU at https://my.asu.edu [19].
The student selects the ASU courses that have been taken, those in progress and those the student plans to take in future semesters. Once the plan of study is completed, it is electronically forwarded to the Cronkite School's graduate office. It must be approved by the members of the Cronkite School's graduate committee and the dean. The completed plan of study is sent to the Graduate College and then to the graduation office. The approved plan of study is a contract between the student and the school verifying the classes the student intends to take during his or her course of study. Students who do not have an approved plan of study on file are not eligible for graduation. Changes in the plan of study may be made by using the form Course Changes to the Graduate Plan of Study available online on My ASU at https://my.asu.edu [19].
Students who need to file a plan of study will be notified by the Graduate College via email. If the student fails to file the plan of study within the specified time period, a hold is placed on the student's ASU record. The hold will prevent the student from registering for classes. Once the student has filed the plan of study and it has been approved, the hold is removed. The Graduate College monitors students' iPOS statuses and places or removes the holds.

## Satisfactory Academic Progress

All graduate students are expected to make systematic progress toward completion of their degree. This progress includes satisfying the conditions listed below and achieving the benchmarks and requirements set by the individual degree programs. Each degree program should have in place policies for satisfactory academic progress. Students are responsible for verifying additional satisfactory progress policies as required by their degree program. If a student fails to satisfy the requirements of their degree program and the benchmarks outlined below, the student may be dismissed from their program based on the academic unit's recommendation to the Graduate College. The dean of the Graduate College makes the final determination.

1. Maintain a minimum GPA of 3.00 on the iPOS, graduate and cumulative GPAs. If a GPA is less than 3.00 , the student must develop, with their advisor, an academic performance improvement plan that includes the conditions and time frames for making satisfactory academic progress in the degree program.

- The iPOS GPA is calculated from all courses that appear on the student's approved iPOS.
- The graduate GPA is calculated from all courses numbered 500 or greater that appear on the transcript, with the exception of courses counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved bachelor's and master's degree program) and from courses identified as deficiencies in the original letter of admission. The student is considered to be on academic probation until the conditions specified in the academic performance improvement plan are met and both GPAs are greater than 3.00 .
- The cumulative ASU GPA represents all courses completed at ASU during the graduate career.

2. Satisfy all requirements of the graduate degree program.
3. Satisfy the maximum time limit for graduation from the student's graduate degree program (six years for master's degree, 10 years for doctorate).
4. Doctoral students must complete all program requirements within 10 consecutive years.
5. Successfully pass any comprehensive exams, qualifying exams, foreign language exams and the oral defense of the proposal or prospectus for the thesis or dissertation that are required for the specific graduate program.
6. Successfully complete the culminating experience and, if required, the oral defense of the culminating experience.
7. Graduate students must stay continuously enrolled in their graduate program. Failing to do so without a Graduate College-approved Request to Maintain Continuous Enrollment is considered to be a lack of academic progress and may lead to automatic dismissal of the student from the graduate program. Persistent "W" (withdrawal) and "l" (incomplete) grades during multiple semesters on a plan of study or transcript may reflect a lack of academic progress.
In addition to the Graduate College satisfactory academic progress policies, the Walter Cronkite School of Journalism and Mass Communication has adopted the following:
8. If any of a student's GPA is less than 3.00 , the student will be notified in writing and placed on probation. If the student's GPA is not raised to at least 3.00 by the end of the next semester (excluding summer), a recommendation is made to the Graduate College to remove the student from the graduate program.
9. If a student in the Master of Mass Communication or Master of Arts in sports journalism earns less than a "C" (2.00) in MCO 502 Journalism Skills (Bootcamp), the Cronkite School recommends to the Graduate College that the student should be removed from the program immediately.
10. To receive their degrees, master's degree students who have MCO 570 Capstone as their culminating experience are required to earn at least a "B" (3.00).

## Appeals

Students who want to appeal a course grade must first discuss the issue with the instructor. If the issue is not resolved, the student may appeal the decision to the school's standards committee; the standards committee reviews the issue and makes a recommendation to the dean. The dean's decision is final. Students should be aware the standards committee may recommend a grade lower than the one awarded by the course instructor.
If a student fails to make satisfactory academic progress and a recommendation is made to the Graduate College to remove the student from their graduate program, the student has 10 business days to file a written appeal with the dean. The dean's decision regarding appeals is final.

## Transfer Credit

Students admitted to the 30 credit hour mid-career MMC program may transfer up to six credit hours of approved coursework taken before beginning the program not used toward a previous degree; the six credit hours may include nondegree coursework. Only courses with a grade of "A" (4.00) or "B" (3.00) and taken within three years of admission to an ASU graduate program may be accepted as transfer credit.
In order to have graduate coursework that was completed at other accredited institutions included on a plan of study, a student must petition the Cronkite School's graduate committee. The student also must complete the petition section of the plan of study.

Students who are in the 36 credit hour professional master's degree program are not permitted to transfer coursework from another institution or from another ASU program.

## Time Limitations

Students have six years from the start of their program to complete their master's degrees, and the limit is 10 years for doctoral degrees.

## 400-Level Courses Taken for Graduate Credit

The Walter Cronkite School of Journalism and Mass Communication may allow graduate students to enroll in and use up to two three-credit 400 -level courses on their plans of study (a total of six credit hours). Students must receive permission from the senior associate dean prior to enrolling in any 400-level course they intend to include in their plans of study. Students taking these courses are responsible for obtaining and completing the 400 -level course contract form. This form specifies what the student must do to receive graduate credit for the course. It must be signed by the professor.

## Preadmission Credit

Credit earned in graduate-level courses (per the Graduate College preadmission policy) by undergraduate students may count toward their graduate degrees at ASU provided the credit hours have not been used toward a previously awarded degree. Before awarding a bachelor's degree, ASU undergraduate students should contact their undergraduate advisor to set aside graduate courses for use toward a graduate degree.

Reserving a course does not guarantee the student will be admitted to a graduate degree program or that the course will be used to meet graduate degree requirements. A maximum of nine semester hours of credit may be reserved, and only courses with a grade of " B " (3.00) or better are applicable. Reserved credit is classified as nondegree credit and must be taken within the six-year time limit to be included on a plan of study.

## Grades of Incomplete

The Graduate College requires students who receive an incomplete in graduate coursework ( 500 level or above) to complete the necessary work within one calendar year. If the incomplete is not removed within one calendar year, it becomes part of the student's permanent transcript and cannot be used on a student's plan of study. To receive credit for the course, the student must repeat the course by reregistering, paying fees and fulfilling all course requirements.
Master of Mass Communication, Master of Arts in sports journalism and Master of Science in business journalism students with more than one incomplete at any time are considered failing to make adequate progress, and they are notified of such and placed on probation. If the student does not complete the work to remove the incomplete and earn a letter grade by the end of the calendar year, a recommendation may be made to the Graduate College to remove the student from the program.

With 400-level courses taken for graduate credit, students are required to complete the necessary work to remove an incomplete grade within one calendar year. If the incomplete grade is not removed within one calendar year, the "l" will become an " E ". An " E " cannot be used to meet the requirements for a graduate degree, but it is used to calculate the student's GPA. Students may retake the class to earn a higher grade; however, both the " E " and the new grade are used in calculating the student's GPA. If this results in a GPA of less than 3.00, a recommendation to withdraw the student from the program is made to the Graduate College.

## Applied Project

Students enrolled in the 30 credit hour mid-career Master of Mass Communication program have the option of completing an applied project and are eligible to enroll in MCO 593, Applied Project when they have no more than six credit hours of coursework remaining on their plan of study. Students interested in completing an applied project are encouraged to meet with the senior associate dean no later than the end of their first year in the program.
For more information on the applied project, students should see the applied project procedures handout available in the Cronkite School's graduate office.

## Financial Aid

Many graduate students receive financial aid from ASU to assist in financing their education. More information can be found at https://graduate.asu.edu/pay-for-college [20].

## ACEJMC Values and Competencies

As a member of the Accrediting Council on Education in Journalism and Mass Communication, the Cronkite School is committed to classroom learning that achieves ACEJMC professional values and competencies. These include the core areas: freedom of speech, ethics, diversity, critical thinking, research, writing and use of tools and technologies related to the field. For a full list of ACEJMC values and competencies, students should
see http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML\#vals\&comps [5].

## Diversity Principles

The Walter Cronkite School of Journalism and Mass Communication practices inclusivity in student, staff and faculty populations in order to create an academic environment that embraces diversity of thought and acceptance of all people regardless of societal, political, cultural, economic, spiritual or physical difference, age or sexual orientation.
To this end, the school directs efforts to the following four principles:

1. Actively seek out and encourage diverse populations to become productive members of the faculty, staff and the student body.
2. Create and maintain a work, learning and social environment that is cognizant of and supportive of a diversity of human differences and beliefs.
3. Incorporate within the formal content of the curriculum and in each course an affirmation of the core journalistic values of accuracy, fairness, ethical behavior and sensitivity when reflecting an increasingly multicultural world.
4. Foster and support a climate in which events and activities of the school reflect diversity of awareness, sensitivity to and support for people of different origins, orientations and abilities.

## Social Media Guidelines for Student Journalists

The Cronkite School encourages participants in its professional programs to make use of social networking sites such as Facebook and Twitter, which are valuable reporting tools and promotional and distribution channels for the school's content. To ensure the highest journalistic standards in these programs, participants must abide by the standards for social media use drawn from The Poynter Institute for Media Studies and the Society of Professional Journalists' Code of Ethics.

Those guidelines are found at https://cronkite.asu.edu/degree-programs/admissions/student-resources/social-mediaguidelines [6].

Source URL: https://catalog.asu.edu/policies/journalism [1]

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2824/body?destination=print/2824
[2] https://cronkite.asu.edu
[3] http://cronkite.asu.edu/assets/pdf/Academic_Integrity_Policy.pdf
[4] https://cronkite.asu.edu/about/diversity-principles
[5] http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML\#vals\&comps
[6] https://cronkite.asu.edu/degree-programs/admissions/student-resources/social-media-guidelines
[7] https://cronkite.asu.edu/student-life/undergraduate-advising
[8] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSJMCBA/undergrad/false
[9] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSSPJBA/undergrad/false
[10] https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSMCMSTBA/undergrad/false
[11] https://cronkite.asu.edu/assets/pdf/standards_com_petition.pdf
[12] mailto:Cronkiteadvising@asu.edu
[13] https://cronkite.asu.edu/degree-programs/undergraduate/cronkite-school-dual-degree-programs
[14] https://students.asu.edu/contact/admissions
[15] https://graduate.asu.edu/policies-procedures
[16] https://cronkite.asu.edu/assets/pdf/Academic_Integrity_Policy.pdf
[17] https://students.asu.edu/graduate/how-and-when-apply-graduate-admission
[18]
https://webapp4.asu.edu/dgsadmissions/Index.jsp?program=GRCS\&plan=CSBSJMS\&subplan=\&campus= ONLINE
[19] https://my.asu.edu
[20] https://graduate.asu.edu/pay-for-college

## Sandra Day O'Connor College of Law Policies

## Graduate Policies

## Academic Integrity

## Honor Code

The legal profession, a self-regulating association, depends on the integrity, honor and personal morality of each member. Similarly, the integrity and value of a Sandra Day O'Connor College of Law degree depends on a reputation for fair competition. The college's honor code is intended as a measure to preserve the integrity of the school's diploma and to create an arena in which students can compete fairly and confidently. Copies of the honor code are available from the college's student services office.

## Academic Standing

## Retention Standards

The College of Law requires a minimum GPA of 2.00 to continue enrollment. If a student's GPA falls below this number, he or she may be disqualified in accordance with College of Law policies.
The College of Law statement of student policies contains additional retention and academic policies. The statement of student policies can be found at https://law.asu.edu [2].

## Advising

Academic advising for currently enrolled law students is available through the office of the assistant dean for academic affairs.

## Degree Requirements

## Concurrent Degrees

College of Law students must be in academic good standing to be eligible to pursue a concurrent degree.
Shared Credit: Per the Graduate College policy for concurrent master's degrees, a maximum of 20 percent of the minimum total credit hours for the completion of both degrees may be common hours shared between the degree programs. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.
The Graduate College policy also states that for a concurrent master's/doctoral degree a maximum of nine credit hours may be common hours shared between the degrees and may only include coursework completed after admission to both degree programs. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.
The Graduate College policy for concurrent doctoral degrees states that a maximum of 12 credit hours may be common hours shared between the degrees. The total number of hours common to both degree programs may vary from this maximum value only when the Graduate College office has formally approved coordinated degree programs.

Process: Current Juris Doctor College of Law students who are interested in pursuing a concurrent degree should contact the College of Law Assistant Dean for Academic Affairs or the College of Law Assistant Registrar prior to applying to the college or department offering the desired concurrent degree.
Students in one of the College of Law's master's degree programs who are interested in pursuing a concurrent degree should contact the College of Law Associate Dean for New Education Initiatives prior to applying to the college or department offering the concurrent degree.

Current ASU students who are not enrolled in the College of Law and who wish to pursue a concurrent degree with the College of Law should contact the College of Law Admission office. https://law.asu.edu/admissions [3]

## Admission Process

The Sandra Day O'Connor College of Law enrolls only one first-year, JD class per year, and it enters in the fall semester. The program is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. The following steps must be completed for an applicant to be considered for admission to the JD program:

1. Demonstrate an earned undergraduate degree from an accredited four-year college or university by the time of enrollment in the JD program.
2. Take the LSAT and provide a reportable score from that test.
3. Submit a completed application with application fee.
4. Submit transcripts and letters of recommendation through the Law School Admissions Council's Credential Assembly Service, which will be provided to the College of Law by LSAC with the applicant's LSAT record. Applicants must apply electronically through www.Isac.org [4].

The undergraduate record and LSAT score are only two of many factors considered for admission.
More details about the application process can be found at https://law.asu.edu/admissions [3]. For an application to be considered timely, it must be postmarked or electronically submitted by March 1. The deadline for early admission is Nov. 15.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the Sandra Day O'Connor College of Law.

Source URL: https://catalog.asu.edu/policies/law [1]

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2825/body?destination=print/2825
[2] https://law.asu.edu/
[3] https://law.asu.edu/admissions
[4] http://www.lsac.org/

## College of Liberal Arts and Sciences Policies

These are the current policies in the College of Liberal Arts and Sciences.

## Academic Integrity

Academic honesty is expected of all students in all examinations, assignments, papers, laboratory work, academic transactions and records. Possible sanctions include appropriate grade penalties, loss of registration privileges, disqualification and dismissal. More information about academic honesty is available at https://provost.asu.edu/academicintegrity [2], and information about College of Liberal Arts and Sciences policies and procedures is at https://clas.asu.edu/resources/academic-integrity [3]. CLAS tracks all reports of academic integrity violation internally and shares that information with other ASU colleges and schools.

## Student Right of Appeal

A student accused and sanctioned for an academic integrity violation has the following rights:

- The student may discuss the matter directly with the faculty member.
- If the issue is not resolved after speaking with the faculty member, the student has the right to initiate a discussion with the chair of the academic unit offering the course or the chair's designee.
- If the issue is not resolved after speaking with the chair or the chair's designee, the student has the right to initiate a discussion with the CLAS dean's office. If an XE for the course or a more severe sanction (e.g., suspension, expulsion) has been recommended by the faculty member, the student is strongly encouraged to meet with dean's office staff to discuss the allegation. Students may call 480-965-6506 to schedule an appointment with senior staff in the College of Liberal Arts and Sciences, Office of Student and Academic Programs.
- The student may appeal to the College of Liberal Arts and Sciences Student Affairs and Grievances Committee. After discussing the matter with the faculty member, chair and dean's office staff, a student has the right to appeal the finding that an academic integrity violation has occurred or the sanctions levied to the CLAS Student Affairs and Grievances Committee. The appeal process is initiated by scheduling an appointment with senior staff in the Office of Student and Academic Programs. Students have 10 working days from the date of the email or letter notifying them of the academic integrity violation to initiate an appeal. After the 10 days, the sanction requested by the faculty member is imposed and the matter is closed.
Appeals are heard by the college's Student Affairs and Grievance Committee, a body composed of faculty and students from across the college that serves as the dean's delegate. The committee meets no more than once a week during regular fall and spring semesters but not during summer, winter or the midterm breaks. After hearing the case, the committee deliberates and makes a written recommendation to the dean for his review. The final decision of the dean is communicated to the student and all appropriate parties in writing.
Unless a student successfully appeals the finding that an academic integrity policy violation has occurred, the dean's office maintains a record of the incident and the sanctions. If the seriousness of the current situation or past violations warrant, the dean's office retains the right to impose or recommend sanctions in addition to those requested by a faculty member.


## Undergraduate Policies

## Student Responsibilities

Students enrolling in courses offered by the College of Liberal Arts and Sciences are expected to follow the rules and deadlines specified in this catalog pertaining to enrollment, adding or dropping classes, withdrawals and tuition payment.
Students are encouraged to meet with their departmental academic advisors regularly. Students with additional questions regarding the academic rules of the college and the university are welcome to meet with advisors in the college's office of student and academic programs, and they can schedule an appointment by calling 480-965-6506.
In addition, students must understand and follow the requirements for the university's General Studies and college graduation requirements in their edition of ASU's academic catalog. The academic catalog is the governing source for all degree requirements.

## Academic Standing

The standards for GPA and the terms of academic probation, disqualification, reinstatement and appeal are identical to those of the university, as set forth under retention and academic standards, except that disqualified students in the College of Liberal Arts and Sciences are suspended for at least two regular semesters at the university.
When student are placed on probation, one of three things can happen:

- They can return to academic good standing by raising the cumulative GPA to 2.00 or greater at the end of a fall or spring semester.
- They can remain on probation by earning the required semester GPA of at least 2.00 but not raising the cumulative GPA to academic good standing. Students may continue on academic probation, earning the required semester GPA, for as many semesters as it takes to raise the cumulative GPA to academic good standing.
- They can be disqualified if they fail to achieve the required semester GPA of 2.00 .

Students who are placed on academic probation are required to see their major advisor in each term they remain on continuing probation prior to enrollment in subsequent terms. Students who are academically disqualified should contact the Office of Student and Academic Programs by calling 480-965-6506.
Students who leave the university for a semester or more while on academic probation are automatically readmitted, except when reapplying to degrees in the Hugh Downs School of Human Communication, which has specific readmission criteria. Students should review the reinstatement/readmission portion of this section for more information about policies and procedures.
Students who fail to meet the minimum GPA of 2.00 in the fall or spring semester after being placed on academic probation are disqualified from further attendance at Arizona State University.

A student disqualified at the end of semester has the option of submitting a written appeal to the college within no more than 10 working days after notification of their disqualification. If the appeal is successful, the student does not need to reapply to the university but is placed on continuing probation for the subsequent semester. Students who do not appeal or have an appeal denied are suspended from further attendance for at least two regular fall and spring semesters.
Students who are academically disqualified should contact the Office of Student and Academic Programs at 480-9656506 to inquire about further steps.

## Advising

All students are encouraged to seek academic advising before registration.

## eAdvisor

eAdvisor provides students the tools to successfully follow their major maps to graduation and assists the students with:

- learning more about graduation requirements for their majors
- discerning what critical requirement courses and grades are required to stay on track to successfully complete their degrees
- planning for and scheduling appropriate courses in the correct sequence to maximize success
- monitoring progress toward their degrees
- finding out how courses may fit into other majors if they decide to change majors or to add concurrent degrees

Students can learn more about eAdvisor and access it at https://eadvisor.asu.edu/ [4].

## Advising Locations

College of Liberal Arts and Sciences students should seek routine advising in the department or school of their major. Locations of each advising office can be found at https://clas.asu.edu/advising/department-advisors [5].
The Office of Student and Academic Programs, located in Armstrong Hall, 1st floor south, is the central resource center for academic information in the college. Requests from students, departmental advisors and faculty for clarification of rules, procedures and advising needs of the college and university should be directed to that office. Also available is the college's information on policies and procedures regarding academic honesty, student grievances with respect to grades, and various petitions involving college and university degree and graduation requirements.

## Required Advising

The following groups of students are required to meet with their advisors in order to be eligible to register for their courses:

- all students registering for their first semester at ASU
- freshmen registering for their second semester at ASU
- students on academic probation
- students newly readmitted to the university
- students who are off track in their major

With the exception of those who have been disqualified, students listed above should consult an advisor in the department or school of their major. Disqualified students seeking readmission should first apply to the university for readmission [6] before scheduling an advising appointment with the Office of Student and Academic Programs by calling 480-965-6506 to discuss the process.

## Advising for Preprofessional Programs

|  | Advisor Location |
| :--- | :--- |
| Professional Field | ARM 112 |
| Dentistry | Diplomat in Residence, Ken Chavez, COOR 6971 |
| Foreign Service | ARM 112 |
| Law | ARM 112 |
| Medicine | School of Historical, Philosophical and Religious Studies, COOR 3309 |
| Ministry | ARM 112 |
| Occupational Therapy | ARM 112 |
| Optometry | ARM 112 |
| Osteopathy 112 |  |
| Pharmacy | ARM 112 |
| Physical Therapy | ARM 112 |
| Physician Assistant | ARM 112 |
| Veterinary Medicine |  |

## Health Professions

Students who plan to pursue a health profession should meet regularly with the preprofessional advising staff located in the Futures Center (ARM 112). For each of the health-related fields listed above, specific courses must be taken to complete graduate or professional school prerequisites and to prepare for required standardized admission exams (e.g., MCAT). To schedule a meeting with a prehealth advisor, students should call 480-965-6506.

## Pre-law

Students who plan to pursue a law-related profession should seek out guidance from the preprofessional advising staff located in the Futures Center (ARM 112). There are no specific course requirements for entrance into law school. Courses that engage students in intense critical analysis and include substantial amounts of writing, however, are recommended, as are practical experiences in law-related fields (e.g., through internships). Students can schedule a meeting with a prelaw advisor by calling 480-965-6506.

## Academic (Grade) Grievance

Academic grievances normally treat matters involving a student's current or recent coursework where, in a claim of unfair treatment, the relief that is sought is a change of a course's final grade. This process does not address academic integrity allegations, faculty misconduct, or discrimination. Grievances must be resolved within the regular semester immediately following the session in which the grade was issued (by commencement for fall or spring) regardless whether the student is enrolled at the university. Academic grievance procedures follow a two-stage process, consisting of an informal process [7] defined by ASU policy and a formal process [8] within the College of Liberal Arts and Sciences. Each stage contains a series of steps. If the informal process prescribed by the university fails to resolve the issue, students may escalate their concerns to the formal process offered by the College of Liberal Arts and Sciences. Student academic grievance procedures follow a two-stage process, consisting of an informal process defined by ASU policy and a formal process in the College of Liberal Arts and Sciences. Each stage contains a series of steps. For the purposes of this process, business days are defined as are defined as days the university is open.

The grievance procedures of the College of Liberal Arts and Sciences are as follows:

- An aggrieved student must first confer with the instructor, state the evidence, if any, and reasons for questioning that the grade received was given in good faith. The instructor must review the matter, explain the grading procedure used and show how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course.
- If the grading dispute is not resolved at the course instruction level, the student may appeal to the chair or the chair-designated representative of the department responsible for the course.
- Only when the issue cannot be resolved at the department level should the student consult with a member of senior staff in the CLAS Office of Student and Academic Programs. Students may schedule an appointment by calling 480-965-6506 to discuss the next steps in the academic grievance process.
- After meeting with the dean's representative in the Office of Student and Academic Programs, the student has 10 business days to file a formal written grievance with the Office of Student and Academic Programs. The grievance is then forwarded by the Office of the Dean to the instructor with a request to provide a written response within 10 business days.
- The student is contacted to review the response when it arrives in the dean's office and confer with the dean's designee before deciding whether to request a hearing before the College of Liberal Arts and Sciences Student Affairs and Grievance Committee. The request for a hearing must be in written form. Upon receiving the student's request, the dean's designee arranges a formal hearing before the College Student Affairs and Grievances Committee. The committee is a regular faculty committee of the college, meeting up to once per week during the fall and spring terms. The Committee does not meet during summer and winter breaks or during fall or spring intersessions.

The hearing shall be conducted by the committee chair and shall be closed. The arrangements for the order of appearance, for submission of materials, testimony and related matters should be made through and by the dean's delegate in the Office of Student and Academic Programs. The dean's designee serves as an ex officio member of the committee but has no vote in the decision-making process. The committee shall make a confidential, written report through the committee chair to the associate dean for Student and Academic Programs.

The associate dean for Student and Academic Programs takes final action after fully considering the committee's recommendation, in keeping with university policy (https://catalog.asu.edu/appeal [7]). The associate dean informs the student, instructor, department chair or school director (if any), registrar (if appropriate) and grievance committee of any action taken. The decision of the associate dean is final.

## Credit/Registration

## Credit Requirement

All candidates for graduation for bachelor degrees in the college are required to complete at least 120 credit hours of which at least 45 credit hours must consist of upper-division courses. A minimum cumulative ASU GPA of 2.00 is required for graduation.

## Minors

The college offers minors in many of its disciplines. All minors require a minimum of 18 credit hours in the discipline with at least 12 of those credit hours as upper-division courses. Six of the upper-division credit hours must be taken from courses offered by the College of Liberal Arts and Sciences. Students should work with the advisors in the departments of their minors to make certain they are making the most effective choices to complete their minors. Students may not use
courses in their minors toward their majors and, similarly, students may not use courses in their majors to fill the requirements of their minors. Additionally, there may be some disciplines that are too close in content for a student to choose a particular combination of minor and major.

## Course Load

Undergraduate students are normally limited to 18 credit hours per fall or spring semester (or nine credit hours each in sessions A and B) and 14 total credit hours in summer session (seven credit hours each in sessions A and B; nine credit hours in session C). The typical student course load is 15 or 16 credit hours for a full 15 -week semester.
Students who wish to register for more than 18 hours must meet GPA criteria based on the number of additional credit hours requested. Specific criteria, further guidelines, and the course overload petition form are
at https://clas.asu.edu/resources/advising [9]. Students meeting these requirements may seek an overload for 19 to 21 credit hours (or up to 10 credit hours in either session A or B) from the advising office in the departments of their majors. Any petition for an overload in excess of 21 credit hours (or more than 10 credit hours in any fall or spring session A or B) must be presented to the Office of Student and Academic Programs in Armstrong Hall, 1st floor south or by email at clas@asu.edu [10].
Students should not assume that their petitions for overload will be granted. Overload requests are evaluated based on the student's most recent academic performance, cumulative performance and the reasons for requesting the overload. Freshmen and transfer students are not permitted to receive course overloads for their first semester at ASU.

For summer sessions, overloads are rarely granted and requests must be petitioned to the Office of Student and Academic Programs in ARM 1st floor south or by email at clas@asu.edu [10].

## Pass/Fail Grade Option

The pass/fail grade option is intended to broaden the education of liberal arts and sciences undergraduates by encouraging them to take advanced courses outside their specializations. A grade of "P" (pass) contributes to a student's earned hours but does not affect the GPA. A failing grade is computed into the GPA.
College of Liberal Arts and Sciences students with at least 60 credit hours may take courses under the pass/fail option. The following conditions apply:

- Enrollment for the pass/fail option must be approved by the instructor and the college offering the course as well as the student's college or school. Permission is recorded on the Pass/Fail Enrollment Form [11].
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the drop/add period.
- A maximum of 12 hours taken for pass/fail may be counted toward graduation.

Students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy the second-language or first-year composition requirements
- those in the student's major, minor or certificate program
- those counted toward or required to supplement the major
- those counted as 499 Individualized Instruction
- those taken for honors credits
- those counted toward satisfying the College of Liberal Arts and Sciences graduation requirements or ASU's general studies requirements


## Audit Grade Option

Students may choose to audit courses in which they attend regularly scheduled class sessions but earn no credit. Students wishing to audit a course should obtain instructor approval before registering.

The audit grade option may not be changed after the drop/add period.

## Degree Requirements

## College Graduation Requirements

All students in the College of Liberal Arts and Sciences must complete the university General Studies requirements as well as all requirements of their major. In addition, the college has established requirements that are specific to the BA, $B S$ and $B S$ in planning degrees.
Requirements for all college undergraduates: All students are required to take a minimum of MAT 117 or higher, excluding MAT 110 and one-credit hour math courses. A grade of " $C$ " ( 2.00 on a 4.00 scale) or better must be earned in the chosen mathematics course.

Each student admitted as a first-time freshman is required to complete a freshman success course or first-year seminar. These courses are designed to introduce students to the college and help them gain an understanding of what they will need to do to be successful students at ASU. Topics include academic success, academic integrity and student engagement.

Bachelor of Arts: Each student pursuing a bachelor of arts degree must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of " C " ( 2.00 on a 4.00 scale) or better in each course. The second-language course requirement may be fulfilled in one of the following ways:

- completion of second-language coursework at the intermediate level (202 or equivalent)*
- a foreign language course at the 300 level or higher taught in the foreign language and having 202 or its equivalent as a prerequisite
- demonstrated completion of secondary education at a school in which the language of instruction is not English
- completion of SHS 202 American Sign Language IV or its equivalent
*Those students completing this requirement in Ancient Greek must take GRK 301 and 302; students completing the requirement in Portuguese or Romanian must complete POR 314 or ROM 314.
Bachelor of Science: Each student pursuing a bachelor of science degree must complete six credit hours (two courses) of science and society courses. At least one course must be completed at the upper-division level and certain limitations apply to how courses may be cross-counted toward other degree requirements. Students should consult an advisor in the department or school of their major for a list of appropriate courses. More information about the requirement and a current list of science and society courses are available on the college's website at https://clas.asu.edu/resources/sciencesociety [12].


## Major Requirements

Each student is required to select a major from among the fields of study offered by the college. Major maps describe the requirements for completion of each degree program.
The department of the major may require up to 45 credit hours of coursework. The minimum is 30 hours. A maximum of 15 additional hours may be required in related courses and prerequisites. No more than 60 credit hours of coursework may be required to complete the major, related courses and prerequisites. Some departments require calculus-level mathematics and up to five of these credit hours may be excluded from the 60 credit hour maximum as they satisfy the college's mathematics proficiency requirement. A minimum of 12 upper-division hours in the major must be taken in residence and from courses offered by the College of Liberal Arts and Sciences.
No credit is granted toward fulfilling major or minor requirements in any upper-division course in that subject field unless the grade in that course is at least a "C" ( 2.00 on a 4.00 scale). In the College of Liberal Arts and Sciences, the assignment of a grade of " $Y$ " (satisfactory) indicates a level of performance that would have resulted in a grade of at least "C" ( 2.00 on a 4.00 scale) had the normal grading scheme been used.
Students should see individual departmental websites for other minimum grade requirements.
Major fields of study are classified into the following three areas:

## Humanities

- Asia studies
- Asian languages (Chinese/Japanese)
- English*
- film and media studies
- French
- German
- history*
- international letters and cultures
- Italian
- Jewish studies
- philosophy
- religious studies
- Russian
- Spanish


## Natural Sciences and Mathematics

- actuarial science
- biochemistry
- biological sciences
- biophysics
- chemistry
- computational mathematical sciences
- Earth and environmental studies
- Earth and space exploration
- mathematics*
- microbiology
- molecular bioscience and biotechnology
- neuroscience
- physics*
- psychology


## Social Sciences

- African and African American studies
- American Indian studies
- anthropology
- applied mathematics for the life and social sciences
- Asian Pacific American studies
- communication
- economics
- family and human development
- geographic information science
- geography
- global health
- global studies
- justice studies
- meteorology-climatology
- political science
- politics and the economy
- sociology
- transborder Chicana/o and Latina/o studies
- urban planning
- women and gender studies
*degree programs offering a concentration in secondary education


## General Electives

Most liberal arts and sciences majors can meet all the requirements stated above with fewer than the 120 credit hours required for graduation. Remaining hours are general electives that may be selected from any of the departments of the College of Liberal Arts and Sciences or from the offerings of other ASU schools and colleges.

## Concurrent Degrees

The college allows students who have completed at least 30 graded credit hours with a minimum GPA of 2.00 to petition the college to pursue a concurrent degree. Concurrent degrees may not be from the same discipline or have overlap in the courses required for each major. In order to complete a concurrent degree, students must earn at least 30 unique credit hours applied toward the requirements for each majors' degree. Petition forms are available within the Concurrent Degree Checklist section of the Advising Resources and Forms [9] page on the CLAS website. The completed forms must be submitted to the Office of Student and Academic Programs in Armstrong Hall, 1st floor south.
Certain specially designed concurrent degree programs, viewable on Degree Search, may have different standards and requirements than individually selected ones.

## Reinstatement/Readmission

Students who have been academically disqualified from the university and have not attended for at least two consecutive regular semesters can earn readmission or reinstatement to the college and to their majors. That process begins with developing a plan with advisors in the Office of Student and Academic Programs. Any plan is specific to the student's individual needs and directly addresses the factors that resulted in disqualification. The plan may include taking coursework at a two-year college and meeting specific GPA requirements to demonstrate readiness to return to ASU.

Students may schedule a meeting to develop a plan with an advisor in the Office of Student and Academic Programs by calling 480-965-6506. Students are encouraged to meet to discuss this plan at least a semester prior to the desired readmission date.

Disqualified students who were off track for two or more semesters at the time of their disqualification will not be readmitted or reinstated into their former majors. Students whose prior majors were in the Hugh Downs School of Human Communication must meet the specific criteria for readmission to that program.

## Other Special Requirements

Some of the major degree programs offered by the college require students to satisfactorily complete a portfolio before being permitted to take upper-division classes. Others require students to study abroad as part of the degree program. Students should check with the departments or schools of their majors to see if any such policies apply in their majors of choice.

## Graduate Policies

Students should consult the individual school or department for information about requirements for graduate study.
Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies set forth by the Graduate College and the College of Liberal Arts and Sciences.

Source URL: https://catalog.asu.edu/policies/liberal_arts
Links:
[1] https://catalog.asu.edu/admin/field/edit/node/2827/body?destination=print/2827
[2] https://provost.asu.edu/academic-integrity
[3] https://clas.asu.edu/resources/academic-integrity
[4] https://eadvisor.asu.edu/
[5] https://clas.asu.edu/advising/department-advisors
[6] https://students.asu.edu/readmission
[7] https://catalog.asu.edu/appeal
[8] https://clas.asu.edu/resources/academic-grievance
[9] https://clas.asu.edu/resources/advising
[10] mailto:clas@asu.edu
[11] https://students.asu.edu/forms/application-pass-fail-enrollment
[12] https://clas.asu.edu/resources/science-society

## College of Nursing and Health Innovation Policies

The College of Nursing and Health Innovation periodically needs to implement new policies, protocols and procedures to comply with accreditation, regulatory or clinical health care agency requirements; therefore, policies, protocols and procedures are subject to change. Students should confirm current policies, protocols and procedures for clinical placements with the respective student handbook [2]. Commonly referenced policies, protocols and procedures are given in the appendices of student handbooks.
Students interested in the undergraduate nursing programs, including the traditional prelicensure clinical nursing program, postbaccalaureate clinical nursing program, RN to BSN, RN to BSN concurrent enrollment program, and the Eastern Arizona College partnership program, may contact the College of Nursing and Health Innovation student academic services office at 602-496-0888 to obtain the most current information on college policies. The capacity to provide clinical learning experiences is subject to change; therefore, the capacity to enroll students in these programs may vary depending upon the availability of clinical learning experiences.

## Academic Integrity

## Academic and Professional Integrity

Academic honesty is expected of all students. Possible sanctions include appropriate grade penalties, disqualification and dismissal. The College of Nursing and Health Innovation adheres to the ASU student code of conduct and the CONHI academic and professional integrity protocol located in student handbooks. A copy of the student code of conduct may be obtained online at https://provost.asu.edu/academic-integrity [3] and a copy of the CONHI academic and professional integrity protocol may be obtained online at https://nursingandhealth.asu.edu/student-life/current-students [2]. Academic dishonesty is not tolerated in any course and is subject to specific College of Nursing and Health Innovation policies and procedures.

## Undergraduate Policies

## Academic Standing

University standards for academic good standing are followed for all majors in the college. Students who do not maintain the minimum GPA after each fall or spring semester are placed on academic probation. Students on academic probation or continuing probation must meet with an academic advisor before registering for the subsequent semester. Students placed on academic probation have one semester to raise the cumulative or semester GPA to meet the academic good standing criteria; otherwise, these students may be disqualified or be determined to be ineligible for the majors in this college. Disqualified students are not permitted to enroll for the fall or spring semesters.
eAdvisor tracking focuses on students who initially enroll as full-time freshmen and tracks their progress during the first four semesters. It identifies and outlines the critical courses, GPA requirements and milestones that predict success in each major. Students use major maps and progress reports to plan which courses to take each semester.
Students who do not meet critical requirements are notified they are off track, and off-track status is displayed on My ASU student pages. Off-track students are required to see an academic advisor before registering for or adding classes. Students off track for two consecutive semesters may be required to change majors, depending on the major. Students in the BSN Nursing Traditional Prelicensure Clinical Nursing Program, in alignment with Continuing Eligibility Criteria, are required to change their major if they are off track for one semester.
Students pursuing the RN to BSN, the postbaccalaureate BSN or the concurrent enrollment program are not critically tracked.

## Advising

Academic advising is an essential aspect of the educational experience and is provided by the college through the student academic services office. Academic advisors assist students with program planning, registration, preparation of petitions, verification of graduation requirements, referrals to university and community resources and career planning. ASU accepts coursework transferred from other accredited institutions, and the College of Nursing and Health Innovation determines if and how the courses will be applied.
The student academic services office is committed to ensuring that students reach their academic goals. This is done by monitoring student progress and providing the academic resources and personalized tools students need to get off to a
good start and stay on track toward graduation. Students can monitor their own progress with the eAdvisor academic success resources at https://eadvisor.asu.edu [4] and with personalized tools at https://eadvisor.asu.edu/students/tools [5].
Student responsibilities include following university guidelines regarding submission of transcripts from all colleges other than ASU, obtaining the necessary signatures or computer verifications required by the university, and following university procedures for matriculation. It is ultimately the responsibility of each student to fulfill academic and program requirements.

## Mandatory Advising

All freshmen and new undergraduate transfer students are required to meet with an academic advisor before registering for courses. Students with academic probationary status and off-track students are required to meet with an academic advisor to plan strategies for improving academic standing. Students interested in transferring to the prelicensure nursing program must attend or view a BSN information session before a one-on-one academic advising appointment will be scheduled. Information session information is located at https://nursingandhealth.asu.edu/admissions/informationsessions [6].

## Credit/Registration

## Course Load

Students wishing to register for more than the maximum allowable credits in a term must contact their academic advisor to obtain an approved overload before registration. All prerequisite courses for the nursing programs must be taken for a letter grade. All upper-division nursing courses will be taken for a grade except for selected clinical courses in the prelicensure program that are taken for " P " (pass) or " $Y$ " (satisfactory).
Students wishing to pursue concurrent degrees must petition the university standards committee and have approval from the College of Nursing and Health Innovation and from the college that offers the other chosen degree.

## Degree Requirements

## RN to BSN Program

Applicants who have an associate degree in nursing or a nursing diploma and have their RN license must apply to the online RN to BSN program at http://bsn.asu.edu [7]. Potential students must have an active RN license in good standing in the state or country in which they are working. There is a minimum GPA of 2.50 for all undergraduate coursework. All prerequisites, including a statistics course, require a grade of a " C " or better.

The RN to BSN program courses are offered online and can be completed in 14 to 24 months. There are five starts per year: twice in the fall, twice in the spring, and once in the summer.
The RN to BSN program builds on the knowledge and skills the student learned in their associate degree or diploma program. The course assignments will enhance the student's written and verbal communication skills, clinical reasoning skills and technology skills. Faculty members are leaders and experts in their practice areas. The faculty strive to prepare graduates who will be engaged, professional and innovative leaders who use evidence-based practice to facilitate positive change in the work environment and community. Graduates will demonstrate holistic population-based perspectives and be solution identifiers, client advocates and effective communicators.
The RN to BSN program has transfer pathway agreements with all the community colleges in Arizona. Students with an AAS from a community college in Arizona may be eligible for a pathway program. Students must have earned a 2.50 GPA in the following courses to be eligible for a pathway program: BIO 201, BIO 202, CHM 130/LL, BIO 205, ENG 101, ENG 102 and PSY 101.
Students who did not complete the AAS in the state of Arizona are eligible for the non-pathway program.
For more information on this program, students should view http://bsn.asu.edu [7].

## Traditional Prelicensure Clinical Nursing Program

Admission requirements for the traditional prelicensure clinical nursing program are more rigorous than university requirements. Some entering freshmen will be directly admitted to the nursing major. Other students will be admitted to an alternative major, the BS in community health, and then compete for space in the nursing program. A competitive application process will be used to fill any available seats in the TPCNP after placing directly admitted nursing major students. Spaces will be given to those students with the highest advancement score. Directly admitted nursing major students must meet continuing eligibility criteria each semester. If they fail to meet one or more of the criteria, they forfeit their direct admit nursing major status and may compete for advancement to the TPCNP.

Consideration for advancement to the traditional prelicensure clinical nursing program and the post-baccalaureate clinical nursing program are separate processes that follow admission to ASU.
Direct Admission: Students admitted with Direct Admission status upon entering ASU as a freshman nursing major must meet the Continuing Eligibility Criteria outlined in their major map, each semester, to maintain this status. If direct admission is retained throughout the advancement process, students are guaranteed placement into the clinical nursing program within one year of the semester in which all 17 critical courses are completed. Direct Admission students are not guaranteed their first preference. In the event the number of Direct Admission students requesting placement in a specific cohort is greater than the number of spaces available, placement will be determined by random selection.
Competitive Advancement Process: Students in other majors, including nursing major students who have forfeited direct admission, are all eligible to compete for a space in the program through the competitive application process, provided they have completed the prerequisite courses and all screening items. The advancement score for the TPCNP is composed of the select GPA and the TEAS score. Seats are given to the students with the highest advancement scores. For students applying through the competitive application process, the select GPA and the TEAS scores are used to rank students from high to low. After directly admitted students who meet continuing eligibility criteria are advanced, students who are the highest on the list are offered the remaining spaces in the TPCNP. Students not selected may choose to compete again in the next term. There is no limit on the number of times students may compete; a waiting list is not maintained. Students who do not meet the minimum select GPA and TEAS scores are withdrawn from consideration. Nursing faculty may opt to use additional criteria in the selection process.
Select GPA for Competing Students: The select GPA is computed based on 13 critical (prerequisite) courses and must include ENG 101, ENG 102, and three of the four lab sciences: BIO 201, BIO 202, CHM 101, MIC 205/206. Critical courses with a grade of "C" or better may not be repeated to improve the select GPA. Students should see a nursing academic advisor for possible replacement course options. Students who have already earned a bachelor's degree may choose to use a "pass" grade rather than letter grades for ENG 101 and 102.
Prerequisite and Select GPA for Competing Students: Students must have a minimum 3.25 in both their prerequisite GPA and select GPA. The average select GPA has been much greater than a 3.25 for those advanced into the program in previous semesters.
TEAS for Competing Students: Students will be measured in the basic essential skills in academic content areas of reading, mathematics, science, and English and language usage. To prepare for the exam, students are recommended to visit www.atitesting.com [8] to review the resources available from the creators of the exam. The minimum required TEAS score is 58.7 percent. Direct admit students are not required to take the TEAS, but it is highly recommended.
Students who do not meet the minimum select GPA and TEAS scores are withdrawn from consideration.

## Postbaccalaureate Clinical Nursing Program

In order to be considered for the PBCNP, all interested students must have a bachelor's degree from a regionally accredited institution, in a discipline other than nursing, posted at ASU by the application deadline. Placement in the PBCNP is based on clinical space availability. More students may request placement than clinical space will allow. Placement is not guaranteed.
The program is a 12 -month program that begins during the spring semester and it includes the spring, summer and fall semesters. The program is offered only at the ASU Downtown Phoenix campus. Summer tuition rates apply for the summer semester and the program has a program fee.
The prerequisites for this program are BIO 201, BIO 202, CDE 232, CHM 101, HCR 220, HCR 240, MIC 205/206, NTR 241, PSY 101 and a statistics course that meets the General Studies CS requirement. Eight of the 10 courses must be completed by the application deadline with a minimum GPA of 3.50 for the semester in which the student applies. All four science courses must be completed by the application deadline: BIO 201, BIO 202, CHM 101, and MIC 205/206. Science courses must be taken within seven years of the semester in which the program will start.
Grades of " $C$ " (2.00) or better must be earned in each prerequisite course and a minimum cumulative GPA of 3.50 for the prerequisites mentioned above is required by December 31. Courses with a grade of "C" or better may not be repeated to improve the prerequisite GPA. Students should see their academic advisor for limited replacement course options.

Placement is based on a select GPA and a TEAS score of 58.7 percent or higher (taken less than one year prior to the application deadline). Eligibility requirements, criteria for placement and measurements are subject to change. The select GPA will be computed based on eight of 10 prerequisite courses. If only eight prerequisite courses are completed by the placement deadline, the student's select GPA will include all eight of the courses, four of which must be science courses. If the student has more than eight courses completed, they must select at least three of four lab sciences and then choose five other courses.

## Concurrent Enrollment Associate-Baccalaureate Nursing Program

The concurrent enrollment associate-baccalaureate nursing program is offered through participating community colleges. This program is designed for qualified nursing students who are interested in earning their BSN in nursing while simultaneously pursuing their AAS in nursing. Selected students will be enrolled in the community college program and ASU RN to BSN courses concurrently. RN to BSN courses taken at ASU will be delivered in an online format.

The concurrent enrollment program allows students to pursue an AAS in nursing via the community college while providing an affordable, concurrent course of study that enables students to complete their BSN degree in approximately one to two semesters after graduating with their AAS degrees.
ASU prerequisite requirements are BIO 201, BIO 202, CHM 101, PGS 101 or CDE 232, MIC 205/206, ENG 101 and 102, HCR 240, and the math requirement (MAT 117, 142, or higher), and students must have a 3.00 or greater GPA in these courses to be eligible for consideration.

More information about the Maricopa County Community College CEP is available at https://asa.maricopa.edu/departments/healthcare-education-at-the-maricopa-community/maricopanursing-programs/concurrent-enrollment-programs-cep [9]. For more information about concurrent enrollment programs at other community colleges, students should call (602) 496-0937.

## General Information

Students in the nursing programs must earn grades of " $C$ " (2.00) or better in all nursing coursework except in nursing practice courses in which a designation of a " $Y$ " (satisfactory) or " $P$ " (pass) grade is required. In addition, students are allowed only one nursing course failure (i.e., grade below "C"). The second failure in a nursing course will result in disqualification from the nursing major.
For the TPCNP and PBCNP programs, science courses (CHM 101, BIO 201, BIO 202 and MIC 205 and 206) must be current within seven years of the program start date.

## Program Fees

Traditional Prelicensure Clinical Nursing Program: Students directly admitted to ASU as a nursing major are charged $\$ 1,000$ per semester or term in addition to regular tuition while taking the critical (prerequisite) courses. All students advanced to the TPCNP, whether directly admitted or competitively admitted, are charged $\$ 1,750$ per semester or term for the four semesters or terms of the clinical program in addition to tuition charges. Fees are subject to change.

Postbaccalaureate Clinical Nursing Program: There is a $\$ 5,500$ program fee per semester or term for the postbaccalaureate BSN concentration in addition to regular tuition and fees. This totals approximately $\$ 16,500$ in program fees plus regular tuition and fee charges.
All tuition and fees are subject to change.

## Concurrent Degrees

Concurrent degrees are multiple degrees with one conferral date. The student receives both degrees at the same time regardless if coursework for one degree is completed prior to the other degree. To pursue concurrent degrees, students must be in good academic standing.
A student desiring a concurrent degree program must meet with an academic success specialist in both degree programs to learn about degree and graduation requirements and the eligibility requirements for submitting a petition. Both academic success specialists should review the graduation plan that outlines the courses the student will take each semester through graduation.
A student pursuing a concurrent degree must submit a university petition requesting the concurrent degree. https://nursingandhealth.asu.edu/student-life/current-students [2]
The concurrent degree petition must include:

1. an accurate degree completion plan that has been reviewed by academic success specialists from both degree programs and that shows the courses to be taken each semester through graduation
2. a formal statement outlining the request for concurrent degrees which may include short- and longer-term personal and career objectives and goals

The College of Nursing and Health Innovation petitions subcommittee will review the student's concurrent degree request. Concurrent degrees may not be from the same discipline or have significant overlap in the courses required for each major.
Approved petitions are forwarded to the University Registrar for notation on the student's record.
To remove a concurrent degree, the student should email nursingandhealth@asu.edu [10] with the student's full name and ASU ID number as well as which degree the student wants to be removed from the academic record. If the student is pursuing any minors, the student must indicate if they wish to retain the minors.

## Reinstatement/Readmission

Disqualified students who have skipped a fall or spring semester must follow the procedures for readmission. Information about readmission to the university is at https://students.asu.edu/readmission [11]. Applications for reinstatement and readmission to nursing are subject to rigorous requirements that reflect admission and progression standards.

## Other Special Requirements

Special Note: The College of Nursing and Health Innovation periodically needs to implement new policies, protocols and procedures to comply with accreditation, regulatory or clinical health care agency requirements; therefore, policies, protocols and procedures with respect to clinical placement are subject to change. Students should confirm current policies, protocols and procedures with the student handbook at https://nursingandhealth.asu.edu/current-students [2].

## Titers and Immunizations

Students should refer to the appropriate student handbook [2] and the nursing application guide for the most recent requirements.

## Level One Fingerprint Clearance Card

A level one fingerprint clearance, in the form of a fingerprint clearance card, is required by Arizona state law in order to work with and care for children, the elderly and vulnerable adults. Fingerprint clearance is determined after a background screening process at the state and federal levels to check for criminal records. Students must have a valid, unrestricted fingerprint clearance card to advance to and remain in the clinical nursing programs. Students with concerns about a restriction may call the Arizona Department of Public Safety at 602-223-2279.

## Arizona State Board of Nursing Requirement for RN Licensure

Once students have completed their clinical nursing program, they must pass a national licensing examination known as the NCLEX-RN in order to obtain a nursing license. Application for and passage of the NCLEX-RN is the sole responsibility of the student. Arizona state law prohibits an individual convicted of a felony from applying for nursing licensure or certification until five years after the date of absolute discharge of the sentence. This means that all courtordered terms of probation or parole must be completed at least five years prior to the date of application for nurse licensure. Each case is considered by the Arizona State Board of Nursing on its own merits. The elapse of five years does not guarantee licensure or certification; it simply permits the submission of an application and board consideration. In addition, the Arizona State Board of Nursing may deny any application for a license if the applicant has committed any acts of unprofessional conduct. Students should see the Arizona State Board of Nursing website at http://www.azbn.gov [12].

## Equal Access

The college is committed to making learning experiences accessible and inclusive for all students, including those with an identified disability or disabling condition. In compliance with the ASU policy on Students with Disabilities USI 70202, http://www.asu.edu/aad/manuals/ssm/ssm701-02.html [13], every effort will be made to accommodate students with special needs to find cost-effective methods to address the identified student condition and serve the needs of the patients. Accommodations may include resources and assistive aids for those students with cognitive and perceptual disabilities, specialized equipment for hearing or vision deficits, and modifications to the physical environment or clinical hours. Students with disabilities are required to document their condition with the Disability Resource Center upon admission to the college and to be key participants in identifying their needs. The college will provide reasonable and appropriate accommodations for any student who has documented a disability or disabling health condition.

## Supplemental Requirements for the Clinical Nursing Programs

The requirements specified in this section affect student ability to progress in the clinical nursing program coursework, eligibility for clinical placement and to ultimately to be licensed as an RN.
Cardiopulmonary Resuscitation/Basic Life Support Certification: Proof of CPR/BLS health care provider certification is required. Students are required to keep the CPR/BLS certification current throughout advancement consideration and when enrolled in the prelicensure clinical nursing program.

Federal and State Background Screening: Students must have an unrestricted security background check to advance to and remain in clinical nursing programs.
Substance Screen: All students in clinical nursing programs will be required to complete a substance screen. Results of the screen must be negative. Dilute specimens are considered positive. Students will also be tested for nicotine; however, the presence of nicotine will not restrict enrollment in clinical coursework but will affect the clinical placements while in the program.
Lawful Presence: The college follows the Arizona State Board of Nursing policy regarding lawful presence in the United States. "On January 2, 2008, ARS 1-504 (HB2467) was implemented by the board requiring ALL applicants to provide the board with satisfactory documentation demonstrating the applicants' citizenship, alien status, legal residency or lawful presence in the United States"
(http://www.azbn.gov/Documents/Newsletters/2008/Journal\ 1st\ Quarter\ 2008.pdf [14], page 23).
Required Clinical Experiences: Clinical hours vary with facility placement and may include 12-hour blocks of time, weekends and evenings. Flexibility is required since there are a limited number of available clinical sites for student experiences. Students must have the ability to utilize written, verbal and computerized communication with faculty, peers and other health care professionals. Students are expected to demonstrate the ability to think critically and apply nursing knowledge to clinical situations. Students are also required to accept professional supervision from faculty and designated staff and effectively integrate feedback into practice.

## Graduate Policies

## Additional Policies

## Academic Advising

Prospective graduate students may receive information through the college recruitment office at 602-496-0937 or nursingandhealth@asu.edu [10]. Upon admission, each student is assigned a faculty advisor or mentor within the degree or certificate program or area of concentration.

Students should review the student handbooks for the College of Nursing and Health Innovation for information regarding graduate academic procedures and protocols: Graduate Programs in the College of Nursing and Healthcare Innovation Student Handbooks [2].
Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the College of Nursing and Health Innovation.

Source URL: https://catalog.asu.edu/policies/nursing

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2829/body?destination=print/2829
[2] https://nursingandhealth.asu.edu/student-life/current-students
[3] https://provost.asu.edu/academic-integrity
[4] https://eadvisor.asu.edu/
[5] https://eadvisor.asu.edu/students/tools
[6] https://nursingandhealth.asu.edu/admissions/information-sessions
[7] http://bsn.asu.edu
[8] http://www.atitesting.com/
[9] https://asa.maricopa.edu/departments/healthcare-education-at-the-maricopa-community/maricopanursing-
programs/concurrent-enrollment-programs-cep
[10] mailto:nursingandhealth@asu.edu
[11] https://students.asu.edu/readmission
[12] http://www.azbn.gov
[13] http://www.asu.edu/aad/manuals/ssm/ssm701-02.html
[14] http://www.azbn.gov/Documents/Newsletters/2008/Journal\ 1st\ Quarter\ 2008.pdf

## College of Public Service and Community Solutions Policies

The College of Public Service and Community Solutions believes our students are our greatest resource. We strive to put the well-being of our students at the center of every policy and program. Each student situation is unique, and we encourage our students to work directly with our talented advising staff to address concerns and issues within the stated policies and procedures.

## Academic Integrity

The College of Public Service and Community Solutions academic integrity process models the ASU process. For more information on the process, including next steps, students should see https://publicservice.asu.edu/grievance-process [2].

## Undergraduate Policies

## Academic Standing

Students in the College of Public Service and Community Solutions are considered to be in good standing for the purpose of retention if they maintain a cumulative GPA of 2.00 or greater in all courses taken at ASU. Certain majors within the College of Public Service and Community Solutions may require a progressively higher GPA than 2.00 as a student advances toward their degree. These requirements are outlined in the student's major map.

## Changing Majors

A student transferring into the College of Public Service and Community Solutions should have a GPA of 2.00 or greater.

## Probation

Any student who does not maintain good standing is placed on academic probation. A student on academic probation is required to observe any limitations or rules the college may impose as a condition for retention.

## Disqualification

A student who is on probation becomes disqualified if one of the following occurs:

- The student has not returned to good standing.
- The student has not met the required semester GPA.

Disqualification is exercised at the discretion of the college and becomes effective on the first day of the fall or spring semester following college action. A disqualified student is notified by the dean of the college and is not allowed to register for a fall or spring semester at the university until reinstated. A student who is disqualified may not attend as a nondegree student.

## Advising

The following categories of students are required to receive advising and be cleared by a program advisor before they may register for classes:

- all freshmen
- all students majoring in social work
- readmitted students
- students on probation
- students who have been disqualified
- students with special admission status
- students with admission competency deficiencies
- transfer students in the first semester at ASU


## Credit/Registration

## Course Load

A normal course load per semester is 15 or 16 credit hours. The maximum number of hours for which a student can register is 18 credit hours unless an overload petition has been filed with and approved by the department or school standards committee and dean or dean's designee. Semester course loads may be further limited for students in mandatory advising. Petitions for overload ordinarily are not approved for students who have a cumulative GPA less than 3.00 and who do not state valid reasons for the need to register for the credits. Students who register for an excess of 18 credit hours and do not have an approved overload petition on file may have courses randomly removed through an administrative drop action. Specific degree requirements are explained in detail under the respective college, school and department sections.

## Degree Requirements

## Interdisciplinary Public Service Requirement

The College of Public Service and Community Solutions has a college-level graduation requirement for all undergraduate students majoring within the college. This degree requirement is called the interdisciplinary public service requirement. Each student must complete coursework from other schools within the college. Students may choose a core course from their major and two courses from the approved course list for this requirement in addition to completing ASU 101-CPP. ASU 101-CPP must be completed in the first year at ASU; the other courses can be taken while completing the degree. The approved course list for each catalog year is available on the major map. Questions about this requirement should be directed to the academic advisor for the major.

## Solution-Based Learning Requirement

The College of Public Service and Community Solutions has a college-level graduation requirement for all undergraduate students majoring within the college. This degree requirement is called the solution-based learning requirement. Each student must complete coursework from their school or another school within the college that has an SBL designation. Students must choose a course from the SBL list to meet this requirement. The approved course list for each catalog year is available on the major map. Questions about this requirement should be directed to the academic advisor for the major.

## Concurrent Degrees

The College of Public Service and Community Solutions supports students who wish to pursue concurrent degrees. The structure of a student's academic program is customized to meet degree requirements for both programs of study. Students are encouraged to meet with an academic advisor from each degree to establish a feasible program of study.

## Reinstatement/Readmission

Students seeking reinstatement after disqualification should contact the College of Public Service and Community Solutions student services office regarding procedures and guidance for returning to good standing. When reinstatement includes readmission, application must be made through the ASU readmission process. All academic disciplinary action is the function of the College of Public Service and Community Solutions student services office (in UCENT 780) under the direction of the dean of the college. Students having academic problems should call this office for advising at 602-4960600.

The mission of the College of Public Service and Community Solutions professional academic advising staff is to assist students in developing meaningful educational plans for meeting their academic, career and personal goals; this is done through an ongoing process of evaluation and clarification. The advisors strive to perform their duties in a professional, ethical, confidential, accurate and supportive manner, respecting student diversity and needs and always holding the individual in highest regard. The student and advisor should accomplish this process in a spirit of shared responsibility to help the student develop academic excellence, strong decision-making skills and self-reliance. A student who has been admitted to the College of Public Services and Community Solutions is assigned an academic advisor from the academic unit of the student's major area of study. Questions about advising should be directed to the student's academic advisor or to the College of Public Service and Community Solutions student services office.

## Graduate Policies

## Advising

Advising is usually handled by graduate faculty or a committee. Once admitted, each student is typically assigned a temporary faculty advisor in the potential areas of specialization; this advisor assists in planning a course of study. For those degree programs requiring the completion of a thesis, a chair and thesis supervisory committee are selected by the director of graduate studies, in consultation with the student and appointed by the dean of the Graduate College. Each graduate degree program in the College of Public Service and Community Solutions has its own set of policies regarding academic performance expectations. Students should contact their graduate advisor to review policies relevant to their degree.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those of the Graduate College and the College of Public Service and Community Solutions.

Source URL: https://catalog.asu.edu/policies/public_programs

## Links:

[1] https://publicservice.asu.edu/grievance-process

## School of Sustainability Policies

## Academic Integrity

The School of Sustainability adheres to ASU's academic integrity policies and procedures [2]. Additional information can be found on the school's undergraduate [3] and graduate policies, procedures and forms [4] pages.

## Undergraduate Policies

Additional School of Sustainability Undergraduate Policies, Procedures and Forms [5] can be found online.

## Academic Standing

## Student Responsibilities

Students need to make many decisions as they complete their degrees. While the school and the university have a number of resources available (e.g., faculty, courses, advisors and tutors) to help in making the decisions, students are expected to take responsibility for their decisions.

## Good Standing

Students in the School of Sustainability are considered in good standing for the purpose of retention if they maintain a cumulative GPA of 2.00 or greater in all courses taken at ASU and maintain critical requirements within the major, which may include higher GPA expectations; students should refer to the major map for their catalog year.

## Critical Requirements

All sustainability students must meet critical requirements for their intended majors. Students who do not comply with the critical requirements are off track and will have holds placed on their records. They will have to meet with their advisors to have the holds removed. Further registration in their intended majors may not be permitted for those students who still do not meet all critical requirements in the following semester. Students who are off track for two consecutive semesters may be required to change their major.

## Probation

Students who do not maintain a cumulative GPA of 2.00 or greater in all courses taken at ASU are placed on academic probation. Before students on probation can register for classes in the next semester, they are required to complete an academic success contract with an advisor and discuss campus academic resources, plan semester goals and discuss strategies to attain academic success. Students on academic probation may be limited to the number of credit hours they can enroll in, must enroll in UNI 220 Academic Refresher, and must also do one of the following:

1. During the next semester, students on probation must raise their cumulative ASU GPA to 2.00 or greater in order to return to good academic standing.
2. They must obtain a semester GPA of 2.50 with no grade lower than a " $C$ " in order to be granted one additional semester on continuing probation, providing them with two semesters to return to good academic standing and avoid disqualification.

In addition, students who have fewer than 24 credit hours will be required to participate in the ASU Pathway for Achieving Student Success program [6].

## Disqualification

Students who do not meet probation requirements are subject to disqualification. Disqualified students are not able to register for classes in the fall or spring semester at the university, and students who already registered for future fall or spring semesters will have their registrations canceled.

## Advising

The School of Sustainability's Student Services Center assists students in achieving their personal, educational, cultural and career goals while becoming self-directed, lifelong learners. The school encourages students to meet with an advisor at least once a semester and requires that students meet with an advisor at four points during their academic career:

1. new-student advising (all newly admitted students)
2. sustainability success advising (during the first semester to plan for the second semester)
3. pivotal advising (when students typically declare their track and related discipline)
4. launchpad advising (to prepare for capstone experiences and planning for post graduation)

Office hours are Monday through Friday (excluding university holidays), 9 a.m. to 4 p.m. Students should schedule their advising appointments in advance online through My ASU [7] or this direct link [8] so advisors can set aside the appropriate time to answer all their questions.

## Degree Requirements

## School Graduation Requirements

All students in the School of Sustainability must complete the university general studies requirement as well as all requirements for their majors. In addition, the school has established requirements that are specific to the BA and BS:

1. ASU 101 requirement: All incoming freshmen must complete ASU 101-SOS The ASU Experience with a grade of "C" or better. All incoming transfer students must complete SOS 201 Introduction to ASU and Sustainability with a grade of "Y".
2. Statistics requirement: All students are required to complete STP 226 Elements of Statistics or additional statistics course options as approved by the school.
3. Second-language requirement: All students must fulfill the second-language requirement (see below).

## Second Language Requirement

Bachelor of Arts: Any student pursuing a BA in the School of Sustainability must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of "C" (2.00) or better in each course. Secondlanguage course requirements may be fulfilled by one of the following:

- completion of second-language coursework at the intermediate level (202 or equivalent)*
- a second-language course at the 300 level or higher taught in the second language and having 202 or its equivalent as a prerequisite
- completion of secondary education at a school in which the language of instruction was not English
*Those students completing this requirement in Ancient Greek must take GRK 301 and 302; students completing the requirement in Portuguese or Romanian must complete POR 314 or ROM 314.

Bachelor of Science: Any student pursuing a BS in the School of Sustainability must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of "C" (2.00) or better in each course. Second-language course requirements may be fulfilled by one of the following:

- completion of second-language coursework at the introductory level (102 or equivalent)
- a second-language course at the 200 level or higher taught in the second language and having 102 or its equivalent as a prerequisite
- completion of secondary education at a school in which the language of instruction is not English

The School of Sustainability also requires a cumulative ASU GPA of 2.50 and a 3.00 SOS GPA in order to graduate with a BA or BS in sustainability.

## Concurrent Degrees

The School of Sustainability has some formal agreements and major maps [9] in place for concurrent degrees, but students are not limited to these agreements.

Students may seek approval to pursue concurrent degrees with the School of Sustainability after they have completed at least 30 credit hours at ASU. To be eligible to add a BA or BS in sustainability as a concurrent degree, students must have a cumulative ASU GPA of 3.00 .
Students interested in declaring a concurrent sustainability degree or current sustainability students interested in declaring a concurrent degree should schedule an appointment [10] with a sustainability advisor to complete a School of Sustainability Standards Petition [11]. Concurrent degrees must be approved by the academic units for both degree programs, so students also need to meet the eligibility criteria and follow the process outlined by the other academic unit as well.
Degree combinations with too great an overlap between the required courses for each major will not be approved. For example, students may not pursue a BA or BS in sustainability as well as a BA in business with a concentration in sustainability or a BA in interdisciplinary studies with a concentration in sustainability.

## Reinstatement/Readmission

Students seeking reinstatement after disqualification or readmission after absence from the university should contact the School of Sustainability office regarding procedures and guidance for returning to good standing. When reinstatement includes readmission, application must be made through the ASU readmission process [12].

## Other Special Requirements

## Student Appeal Procedure on Grades

The School of Sustainability follows the university policy for student appeal procedure on grades [13]. Additional information can be found on the school's undergraduate [3] and graduate policies, procedures and forms [14] pages.

## Graduate Policies

Additional School of Sustainability Graduate Policies, Procedures and Forms [15] can be found online.
Graduate students should refer to the School of Sustainability graduate handbooks for information about graduate policies and academic standards.
Students must fulfill all requirements of their individual graduate programs to remain in good academic standing, and they must abide by all university policies including those outlined by the Graduate College and the School of Sustainability.
Students should contact the school for more information, at SOSGradAdvising@asu.edu [16] or 480-727-6963.

Source URL: https://catalog.asu.edu/policies/sustainability [1]

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2832/body?destination=print/2832
[2] https://provost.asu.edu/academic-integrity
[3] https://schoolofsustainability.asu.edu/degrees-and-programs/undergraduate-degree-programs/undergraduate-policies-procedures-forms/
[4] https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/graduate-policies-procedures-forms
[5] https://schoolofsustainability.asu.edu/student-experience/undergraduate-policies-procedures-forms/
[6] https://tutoring.asu.edu/success-programs/pass
[7] https://my.asu.edu
[8] https://webapp4.asu.edu/advsched/?init=false\&acad_org=CSS\&nopassive=true
[9] https://webapp4.asu.edu/programs/t5/programs/Concurrent/all/undergrad/false
[10] https://webapp4.asu.edu/advsched/?acad_org=CSS
[11] https://schoolofsustainability.asu.edu/docs/sos/SOS-Standards-Petition.docx
[12] https://students.asu.edu/readmission
[13] https://catalog.asu.edu/appeal
[14] https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/graduate-policies-procedures-forms/
[15] https://schoolofsustainability.asu.edu/student-experience/graduate-policies-procedures-forms/
[16] mailto:schoolofsustainability@asu.edu

## Mary Lou Fulton Teachers College Policies

Arizona State University's Mary Lou Fulton Teachers College creates knowledge, mobilizes people and takes action to improve education. Nationally recognized as a leading innovator in teacher education and scholarly research, Mary Lou Fulton Teachers College prepares nearly 6,000 educators annually through bachelor's, master's and doctoral degree programs.

Working with a mindset of creative intrapreneurship to bring positive change within organizations, Mary Lou Fulton Teachers College brings people and ideas together to improve student outcomes. We seek to develop a renewable resourcefulness in individual educators, in schools, in school districts and in communities.

In line with the charter and design principles of Arizona State University, Mary Lou Fulton Teachers College asserts the following four core values:

- Pursue excellence at scale to achieve impact.
- Exercise leadership through innovation.
- Champion diversity of people and ideas.
- Share responsibility for the strength of communities.

For more information, students should visit https://education.asu.edu [2].

## Academic Integrity

Students in Mary Lou Fulton Teachers College who do not exhibit integrity and professional behavior in the classroom or when in the field are referred to the college administration for disciplinary action. Students should refer to the ASU Student Academic Integrity Policy at https://provost.asu.edu/academic-integrity [3] for more information.

## Undergraduate Policies

## Academic Standing

## SATISFACTORY ACADEMIC PROGRESS AND PROFESSIONAL CONDUCT POLICY

In order to remain in good standing in the Mary Lou Fulton Teachers College, students must maintain satisfactory academic progress consisting of both academic performance and adherence to the Teachers College Professional Responsibilities Standards. This document sets forth the standards and expectations for satisfactory academic progress and good standing and explains the consequences of failure to meet these standards.

In addition to the policies stated herein, students are expected to abide by applicable university and Arizona Board of Regents policies, including the Student Code of Conduct (http://students.asu.edu/srr/code [4]), the ASU Student Academic Integrity Policy (https://provost.asu.edu/academic-integrity [3]), as well as all policies, procedures, rules, regulations and requirements established by the local education agency, school district, or school in which they are engaged in field experience or student teaching (for certification students). Failure to do so may lead to consequences that include dismissal from the program and expulsion from the university.

## Section I: Academic Performance Requirements

## A. Satisfactory Academic Progress

Advisors conduct ongoing reviews of students' academic and professional performance in order to determine retention and continuation status. Students with records containing indicators of professional or academic concerns may be placed on academic probation or academic suspension or may be dismissed (permanently removed) from their programs or from the college.
To meet satisfactory academic requirements, all undergraduate students must:

1. Maintain a minimum overall cumulative GPA of at least 2.00 during their freshmen and sophomore years. Teacher certification students must maintain a cumulative ASU GPA of 2.50 or greater during their junior and senior years.
2. Achieve a "C" grade or better in all courses listed on the plan or program of study, including secondary education content area courses. Earning a grade of "W" or "l" in more than one course may be considered a lack of academic progress.
3. Pass all required clinical experiences, including internships, apprentice teaching and student teaching, with a grade of "C" or better.
4. Maintain good standing as outlined in the professional responsibilities standards section. Students who violate professional responsibilities may be placed on academic probation or suspension or may be recommended for dismissal.

## Definitions

Academic probation: This is the status assigned to a student who has failed to maintain satisfactory academic progress, also referred to as not in good academic standing. A student placed on academic probation is informed of the areas in which program standards are not being met and the actions the student must take to be removed from academic probation and restored to good standing. A student failing to meet the conditions for reinstatement to good standing may be recommended for dismissal from the program.
A student placed on academic probation will be permitted to progress into the next term (unless the next term includes student teaching) while addressing the deficiency. A student who is on academic probation in which the next term requires student teaching needs to meet with his or her advisor to discuss options for the semester.

Academic suspension: An undergraduate student placed on academic suspension may not progress into the next term until all deficiencies have been resolved. Students are required to complete their deficiencies within one calendar year. Failure to do so results in dismissal from the program.
Deficiency: This term describes a required course or another program criterion, such as coursework or GPA, which was not met or was not successfully completed.
Dismissal: Administrative removal from the clinical experience, from student teaching or the iTeachAZ courses, from the degree program, or from the college is referred to as dismissal.
When the student is notified of a dismissal, he or she must participate in the development of a professional improvement plan. The student's current and future status is determined by the terms of the professional improvement plan.
Professional improvement plan: A professional improvement plan is a tool designed to support students who may be at risk of not progressing in their major or academic plan. The PIP outlines specific action steps a student must complete in order to maintain or return to good standing within their major or academic plan. These are the typical reasons for placement on a PIP:

- poor academic standing (i.e., ongoing academic deficiencies across coursework)
- issues regarding professionalism (classes or clinical experience)
- academic integrity violation (plagiarism, cheating, etc.)

Any ASU representative or district partner may refer a student for placement on a PIP. Students who are referred for a PIP will meet with the assistant division director and director of student services to develop a plan for success in the Teachers College.
A student is prevented from further enrollment in any initial teacher or administrator program for any of the following reasons:

- expulsion from Arizona State University
- failure to meet the professional responsibilities outlined in the Mary Lou Fulton Teachers College Professional Responsibilities Standards and the ASU Student Code of Conduct
- failure to resolve academic deficiencies
- noncompliance with a professional improvement plan


## B. Unsatisfactory Academic Progress Consequences

## GPA and Grade Deficiencies

Academic probation: Academic probation may be imposed if a student has one of the deficiencies listed below. A student placed on probation will be permitted to progress into the next term (unless the next term includes student teaching, an applied project or culminating experience) while addressing the deficiency. A student who is placed on probation in which the next term requires student teaching will need to meet with their advisor to discuss options for the semester.
Academic suspension: Academic suspension may be imposed if an undergraduate student has two or more of the deficiencies listed. An undergraduate student placed on academic suspension may not progress into the next term until all deficiencies have been resolved. Students are required to complete their deficiencies within one calendar year. Failure to do so may result in dismissal from the program.

Deficiencies for undergraduate students:

1. a cumulative GPA less than 2.00 or 2.50 for teacher certification students in the junior and senior years
2. an "l" in an education course or secondary education content course
3. a grade of "D", " $E$ ", or " $W$ " in an education course
4. a grade of " $D$ " or " $E$ " in a required secondary education content course

Students who enroll in a course that requires a field observation while not currently enrolled in a clinical experience course that semester are required to enroll in a USL course; failure to successfully complete the required USL course will result in suspension. Students can choose from USL 210, 216, 402 or 410, and they obtain the registration and information from their advisor.

Undergraduate students are not approved for student teaching if they are on academic probation or suspension. Once a student returns to good standing, the student is approved to student teach.

Clinical experience deficiencies for undergraduate students: The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

1. A student who fails a clinical experience or internship course may be allowed to retake the clinical experience or internship one time if the reasons for failure are judged to be remediable. If a student is permitted to retake the clinical experience or internship and fails to pass the second time, the student will be dismissed from the program.
2. In some cases, clinical experience or internship issues may be nonremediable. These may include actions that cause the sponsoring school district or other organization to suspend or dismiss an intern or teacher or administrator candidate or to demand that the student teacher or intern be removed from the clinical placement or internship due to violations of the Professional Responsibilities Standards, violations of a professional code of conduct, district policy, or state or federal law, or engages in other inappropriate behavior. The division determines, based on information from the supervisor, the mentor teacher, the school district, other sponsoring organization, and the student, whether the student actions warrant immediate dismissal from the program without benefit of a period of academic probation or another attempt to pass the clinical experience or internship.
Students who fail a clinical experience are required to attend a meeting with the division director or designee and director of student services to determine if they are able to retake the clinical experience. Students should refer to grade appeal process for more information.

## C. Reinstatement to Good Academic Standing

To be restored to good academic standing:

1. A student must maintain or improve grades to meet the Academic Performance Requirements.
2. An initial teacher candidate must meet the expectations of any professional improvement plan related to satisfactory academic progress or professionalism while in the program.
SPECIAL NOTE: A student on probation for lack of satisfactory progress in one area (e.g., academic progress or professional responsibilities) who subsequently fails to maintain good standing in the other area is recommended for dismissal. Return to good standing requires satisfactory progress in both areas during the time on probation. Sequential semesters of probation for repeated failures to maintain satisfactory progress are not considered.

Section II: Professional Responsibilities (Conduct)

## A. Satisfactory Progress

Professional work is marked by a particular responsibility to the clients served. Educators are trusted with significant power and authority over students and must demonstrate that they adhere to the standards of the profession. Therefore, in addition to academic progress requirements, students are evaluated with regard to Professional Responsibilities Standards as described in this document.
The Mary Lou Fulton Teachers College Professional Responsibilities Standards show the required expectations for all students.

- All initial teacher or administrator students are expected to meet the professionalism standards in Sections A, B, $C$, and $D$ at the "applying" level, as a minimum, throughout their course of study.
- Students in noncertification programs are expected to exhibit professional conduct by meeting all standards in Sections A and B at the "emerging" level, as a minimum, throughout their course of study. Showing professionalism and growing and developing professionally are expected in all clinical experiences; in PreK-12 school-related settings; and in university settings, including in interactions with university faculty and staff.


## B. Unsatisfactory Progress - Professional Responsibilities

Students are informed of an allegation of a violation of or lack of compliance with the Professional Responsibilities Standards, and they have an opportunity to respond. As a general rule, the college seeks to assist students to become professionals by working with the students to develop and improve professional conduct. Students accused of violating or not complying with the Professional Responsibilities Standards meet with the division director or designee and the director of student services or those otherwise appointed to discuss allegations, and they will be informed of their status in the program after the meeting. Possible sanctions include academic probation, suspension, disqualification or dismissal from the initial teacher certification program.
All other university policies regarding student conduct are in addition to these requirements, and infractions of the ASU Student Code of Conduct may result in additional investigations and consequences through university procedures.

## C. Dismissal from Clinical Experiences (Internship or Student Teaching)

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.
In the event a school district requests that a student be dismissed from an internship or student teaching placement for unprofessional or inappropriate behavior, the intern or teacher candidate is required to attend a meeting with the division director or designee, the senior director of student services, and other college representatives as determined by the division director to discuss the reasons for request for dismissal from the internship or student teaching placement. If it is determined that the allegations of a violation of unprofessional behavior resulting in the request for dismissal from the school or district are warranted, one or all of the following actions may result. The intern or teacher candidate:

- will be dismissed from the internship or student teaching placement
- will receive a failing grade of "E" for the internship or student teaching course*
- will not be assigned another internship or student teaching placement during the same semester in which the teacher candidate was assigned a failing grade
- may not withdraw from the internship or clinical experience course or from the student teaching course**
- must withdraw from all courses that require concurrent enrollment with the internship or student teaching
*If an intern or teacher candidate wishes to appeal the "E" grade, the candidate can follow the grade appeal process as outlined on the Teachers College website. The first step in the grade appeal process is to meet with the course instructor. Students have 10 business days to appeal a grade.
**If a withdrawal is processed by the Office of the Registrar, the grade will be administratively changed to an "E".
If a teacher candidate wishes to repeat the internship or student teaching and concurrent course work during the semester following the dismissal, the teacher candidate must show evidence of how they plan to resolve the situation or circumstances that resulted in the removal from the internship or student teaching. The teacher or administrator candidate will be required to meet with the division director or designee and the senior director of student services to develop a professional improvement plan outlining expectations for continued professional growth and academic development.
In the event that the teacher or administrator candidate violates the rules, policies or procedures for conduct established by the school, district, local education agency, ASU, Teachers College, or the law while on a PIP for unprofessional behavior, the teacher or administrator candidate will be dismissed from the initial teacher or administrator program. Teacher or administrator candidates who are dismissed may not petition to continue in their current academic plan, but may be eligible to pursue other noncertification degree options within Teachers College (i.e., educational studies, master's degree without certification) or within other colleges at ASU.


## Appeal Process

## Academic Probation

There is no appeal from the action of being placed on probation. Probation provides warning to the student of the potential for suspension or dismissal.

## Grade Appeals

Reasons for Grade Appeal
A student may appeal a grade only when the student can document that one or a combination of the following has occurred:

1. The instructor erred in calculating points or acknowledging timely submission of assignments.
2. The instructor did not apply grading standards equitably; for example, there is evidence of bias due to race, age, sex, religion or national origin.
3. The instructor did not assign grades consistently with the standards and procedures for evaluation announced at the beginning of the course in the course syllabus. The instructor may amend or supplement the standards and procedures during the course by providing written or oral notice to the entire class.

## Grade Appeal Procedure

To receive consideration, grade appeals must be submitted to the course instructor within 10 business days of the last date for posting final grades, as noted in the academic calendar. The academic calendar is available at https://students.asu.edu/academic-calendar [5].
Step One: Informal Meeting with Instructor --- This step is mandatory and applies to an appeal of course grades only.

1. The student must contact the instructor of the course and submit the attached grade appeal. The student must provide to the instructor any additional relevant documentation to support the appeal and reasons for disputing the grade. The narrative accompanying the grade appeal form may not exceed five double-spaced pages.
2. The student must meet with the instructor either face to face or (in the case of online classes only) virtually. If this meeting does not resolve the grievance, the student may move to step two and submit the grade appeal form to the appropriate contact in the Office of Student Services.
If the required meeting with the instructor has not taken place, the appeal will be accepted only if the student supplies evidence that the student contacted the instructor and either received no reply within five business days or was unable to schedule a meeting within 10 business days of the date of contact.
Step Two: Submit Grievance to Office of Student Services --- If the grievance is not resolved in step one, the student should contact the executive director of academic services at 480-965-5555.
Step Three: Division Director Reviews Grade Appeal --- The executive director of student services will review the grade appeal and may request additional information if needed. The grade appeal will be forwarded to the division director for review.

- Undergraduate programs and graduate certification program appeals will be sent to the division director.

The division director will review all information and will notify the student of the outcome.

## Step Four: Appeal Decision to the Dean

- Per university policy, the student may appeal the division director's decision to the dean, whose decision is final. The students must appeal within five business days of receiving the letter from the division director. The letter will contain information regarding how the appeal should be submitted.
- Only the issue appealed to the division director may be appealed; no new issues or complaints may be added.
- The dean or designee has full discretion as to whether to refer the appeal to the Student Issues Committee (also known as the college Academic Grievance Committee). Students should see https://catalog.asu.edu/appeal [6] for university policies on grade appeals.
- The student will be notified by mail of the outcome. The decision of the Student Issues Committee (dean's designee) is final.


## It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college in which the course is offered.

More information on university grading policies is at https://catalog.asu.edu/appeal [6].
During the time of the appeal, a student may register for courses; however, if the appeal is denied and the student is withdrawn, university policies on tuition refunds will be applied. Any concerns about tuition charges should be addressed to the registrar's office.

## Advising

The Office of Student Services is dedicated to providing students with the very best academic support and guidance in every phase of a student's academic program. Academic program advisors provide students with assistance in selecting classes and in fulfilling program requirements. Each ASU campus has dedicated academic advisors knowledgeable about all Teachers College programs. Students should see https://education.asu.edu/student-life/student-servicesundergraduate [7] or https://sites.google.com/a/asu.edu/tc-graduate-student-resources/introduction/student-successstaff [8] for advising locations and contact information. Students are encouraged to meet with their advisors every semester.

## Credit/Registration

Students are limited to a maximum of 18 credit hours per term. Enrollment in additional credit hours requires college academic advisor approval.

## Audit

Teachers College students are permitted to audit any course that is not part of the iTeachAZ curriculum. Additional university fees are assigned to courses when the audit option is chosen.

## Course Prerequisites

Enrollment in upper-division iTeachAZ course work requires approval from Teachers College. Students should review current course descriptions for course prerequisites.

## Incomplete Grades

Incomplete grades will only be issued if a student is in good standing in the course and experiences an extenuating situation just prior to the end of the term. Courses not leading to Arizona teacher certification must be completed one calendar year from the initial grade assignment. Students enrolled in the professional program must complete courses for which they received "l" (incomplete) grades before the start of student teaching.

## Grade Appeals

The undergraduate grade appeal policy is available from academic advisors in the Office of Student Services or at https://education.asu.edu/student-forms-policies [9]. Students attempting to appeal grades must first discuss the reasons with the course instructors. Appeals must be filed by the deadline stated in the policy.

## Pass/Fail

A " $Y$ " (satisfactory) grade is assigned to a passed course and an " $E$ " grade is assigned to a failed course. Only the " E " grade is computed in the ASU cumulative GPA.

## Transfer

Students may transfer a maximum of 64 credits from two-year institutions. There is no limit to the number of credits transferred from four-year institutions. Students interested in substituting previous teacher preparation courses for current professional program Teachers College courses must submit the petition for adjustment of requirements to the Office of Student Services at their chosen campuses.

Any transfer student who is interested in starting iTeachAZ must submit an online form; have a 2.50 cumulative GPA; have completed 60 credit hours; and, fulfill specific course requirements as outlined by each education major. Students who complete the Associate of Arts in elementary education, Transfer Admission Guarantee and Maricopa-ASU Pathways Program will meet the requirements for progression into the professional program.

## Withdrawal

Students should review the Mary Lou Fulton Teachers College undergraduate withdrawal policy at https://education.asu.edu/student-forms-policies [9] and the current university withdrawal procedures at https://students.asu.edu/drop-add [10]. It is each student's responsibility to withdraw from courses. Students are not automatically withdrawn for nonattendance.

## Degree Requirements

Students who begin at ASU as freshmen follow the major maps for their chosen programs. The major map is an outline that students follow each term for enrollment. Students who have attended only ASU have their progress reviewed at the completion of each term to ensure that they are on track for graduation. Transfer students must attend an advising session in which they will learn the degree requirements as well as minimum eligibility requirements for degree completion. Students must fulfill clinical experience, student teaching or service learning requirements as part of degree completion. Mary Lou Fulton Teachers College is committed to providing support and resources for students needing academic or professional growth assistance.

To be in good standing in Mary Lou Fulton Teachers College, students must maintain an overall cumulative GPA of 2.00 or greater (2.50 GPA for teacher certification students in junior and senior years) and earn a "C" grade (2.00) in all education courses. Students are evaluated in accordance with the Mary Lou Fulton Teachers College retention and continuation policy. Students in the program are formally reviewed regarding their academic progress to determine retention and continuation status. Students with records that contain indicators of professional or academic concerns will be placed on probation, suspension or permanently removed from their programs.

Students who exhibit unprofessional behaviors or attributes are required to meet with a Mary Lou Fulton Teachers College administrator to develop a professional improvement plan, which outlines the expectations for continuing in the program. Such students are placed on probation or suspension and are subject to the disqualification policy of Mary Lou Fulton

Teachers College. Students should refer to the retention and continuation policy for additional information: https://education.asu.edu/student-forms-policies [9].

## Concurrent Degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.
Requirements for students who wish to pursue a concurrent degree:

- Students must be in good academic standing, maintaining a minimum cumulative GPA of 2.50 or greater. (Exception: Students enrolled in the Educational Studies degree program must maintain a minimum cumulative GPA of 2.00.)
- Students must inform their Teachers College advisor of each degree being pursued as a concurrent degree. This information is important to the department's record keeping and it may affect recommended courses.
- Students studying secondary education may not pursue a concurrent degree in the same area as their content area.
- If one of the degrees is offered through another college, the student must contact that college and complete its required procedures for requesting and pursuing concurrent degrees.


## Reinstatement/Readmission

Applications for reinstatement and readmission are reviewed by the director of undergraduate student services on a case-by-case basis.

## Other Special Requirements

## Student Teaching Requirements

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

## Academic Requirements

To be eligible to progress into student teaching, a student must be in good academic standing with the Teachers College and all outstanding courses. Students who have academic deficiencies as outlined above are not approved for student teaching until the deficiencies are completed. For undergraduates, this includes requirements for general studies, foundational courses, and electives in the major and minor. For graduate students, this includes all requirements that appear on the program and plan of study.
If students wish to take a course concurrently with student teaching in addition to the courses required during student teaching, they must submit a petition for review by the advising coordinator. The course must be offered in the evening or online and not conflict with contracted hours for student teaching.

## Essential Functions of Student Teaching or Administrator Internship

As a credentialing institution of the State of Arizona, our mission is to prepare teachers for service in PreK-12 school settings. Teachers College students are required to complete multiple clinical experiences (internships and student teaching) in which they must be able to perform the essential functions of teaching. The essential functions required by Teachers College are in the areas of physical capacity, cognitive flexibility and communication. The ability to perform these essential functions is a requirement for successful completion of the teacher preparation program.
Teaching is a demanding profession that requires a great deal of physical, mental and emotional stamina and in which the safety and well-being of children and youth is paramount. Interns and student teachers spend the majority of their days standing while interacting with PreK-12 students in the classroom and other areas of the school grounds. Walking students from one classroom to another and maneuvering through tight spaces between desks or other classroom furniture is commonplace. In early childhood and elementary settings, walking and moving quickly along uneven surfaces on the playground is necessary. Working with PreK-12 students also entails kneeling or squatting, stooping and bending from the waist at 50 - to 70 -degree angles frequently throughout the day. Reaching at, below or above shoulder height to write on chalkboards or white boards and using technology and audiovisual equipment requires significant manual dexterity. Occasionally, interns and student teachers will be required to lift or move items weighing up to 30 pounds. These physical requirements allow the effective teacher candidate to engage students in activities and materials that challenge and sustain the attention of students while carrying out instructional plans.
The cognitive demands of internships and student teaching require that teacher candidates master relevant content in all subjects taught in the assigned classroom, use personal modeling to demonstrate performance expectations with precise and correct command of the English language, provide oral and written feedback that is academically focused, frequent
and of high quality, and use content-specific instructional strategies that enhance students' knowledge of content. Student teachers must also be able to provide differentiated instruction to ensure that all children have the opportunity to master what is being taught. In addition, student teachers must maintain emotional control under stress and establish rules for learning and behavior both inside the classroom and on all other areas of the school grounds by monitoring for student safety and behavior. Student teachers are evaluated using the TAP rubric across these essential functions of student teaching. The TAP rubric can be accessed in the Clinical Experiences Handbook provided at orientation.

The physical, cognitive and communicative demands described here are representative of those that must be met by interns and student teachers, to successfully perform the essential functions of their assigned clinical experiences. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform these essential functions.

## Definitions

Institutional recommendation (IR): All Teachers College certification programs are approved by the State of Arizona Department of Education to issue institutional recommendations to students who have fulfilled the state's requirements for certification. The IR allows for expedited issuance of the teaching or administrative certificate.

## Student Support

## A. Pregnancy Leave Policy

In accordance with Title IX, students requiring leave are entitled to leave for as long as it is deemed medically necessary by their physician. For absences fewer than two weeks for session $C$ courses or one week of leave for session A/B or summer courses, students should be able to make up the missed work without affecting field placement. Longer leaves are accommodated; however, students are still required to complete all assignments and other requirements that accumulate during their leave prior to the last day of classes. Students who are unable to make up requirements prior to the end of the semester receive a grade of Incomplete or have the option of applying for a medical withdrawal without loss of any tuition paid that semester. During the leave, absences will be excused and will not negatively impact final grades. Students who need to request leave should submit their medical documentation to the senior director of student services in the Mary Lou Fulton Teachers College.

## B. Accommodations

Mary Lou Fulton Teachers College is committed to student success and ensures an inclusive learning environment for all students. Students with disabilities or disabling health conditions who need accommodations are required to document their condition with the Disability Resource Center. The Mary Lou Fulton Teachers College encourages admitted students with disabilities or disabling health conditions who believe they may need an accommodation to register with the DRC prior to enrolling in the program. That way, all reasonable accommodations can be in place at the beginning of the program. Students who are registered with DRC will be key participants in establishing reasonable and appropriate accommodations with course instructors.

## Additional Requirements for Teacher Certification Candidates

## Milestones

As outlined on major maps, students are required to meet milestones for successful progression into iTeachAZ. These milestones include obtaining a DPS fingerprint clearance card, submitting an iTeachAZ intent to progress form with an academic advisor, and attending an enrollment workshop. Details can be found at https://education.asu.edu/student-forms-policies [9].

## Fingerprint Clearance Card

Per Arizona state statute A.R.S. § 15-106, all teachers and persons who are required to be fingerprinted to work in the classroom are required to have an identity-verified fingerprint clearance card. All students enrolling in programs leading to certification must participate in clinical experiences and student or apprentice teaching. Students participating in clinical experience must have proof of a fingerprint clearance card on file in the Office of Clinical Experiences before clinical placement hours begin.

## Intent to Progress

All students who start at ASU as first-time freshmen must submit their intent to progress forms to the Office of Student Services during term three, before beginning the iTeachAZ program in term five. The intent to progress form is located at https://education.asu.edu/student-forms-policies [9].

## Graduate Policies

The college offers master's degree and doctoral programs as well as graduate certificates. Some programs also allow students to obtain state or professional certification.

After admission to a degree program, specific advice related to degree requirements and activities is provided by academic advisors in the Office of Student Services. Once admitted, all graduate students are required to submit a plan of study. The plan of study functions as a contract between the student, the academic unit and the Graduate College. The interactive plan of study contains certain degree requirements such as coursework, a committee and a culminating experience. Students are to call 602-543-6358 and ask for the academic advisor for a specific campus or program.

## Academic Standing

## SATISFACTORY ACADEMIC PROGRESS AND PROFESSIONAL CONDUCT POLICY

In order to remain in good standing in the Mary Lou Fulton Teachers College, students must maintain satisfactory academic progress consisting of both academic performance and adherence to the Teachers College Professional Responsibilities Standards. This document sets forth the standards and expectations for satisfactory academic progress and good standing and explains the consequences of failure to meet these standards.
In addition to the policies stated herein, students are expected to abide by applicable university and Arizona Board of Regents policies, including the Student Code of Conduct (https://eoss.asu.edu/dos/srr/codeofconduct [11]]), the ASU Student Academic Integrity Policy (https://provost.asu.edu/academic-integrity [3]), Graduate Policies and Procedures as well as all policies, procedures, rules, regulations and requirements established by the local education agency, school district or school in which they are engaged in clinical experience or student teaching (for certification students). Failure to do so may lead to consequences that include dismissal from the program and expulsion from the university. Graduate students should also refer to the Graduate College website (https://graduate.asu.edu [12]) for further information about the Graduate College policies.

## Section I: Academic Performance Requirements

## A. Satisfactory Academic Progress

Advisors conduct ongoing reviews of students' academic and professional performances in order to determine retention and continuation status. Students with records containing indicators of professional or academic concerns may be placed on academic probation or academic suspension or may be dismissed (permanently removed) from their programs or the college (graduate students refer to the Graduate College policies).
To meet satisfactory academic requirements, all graduate students must:

- Maintain at minimum a 3.00 GPA every semester on the following:
- Interactive Plan of Study GPA: The iPOS GPA is calculated on all courses that appear on the student's approved iPOS.
- Overall Graduate GPA: The overall graduate GPA is calculated on all courses numbered 500 or greater that appear on the transcript, except courses that counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved bachelor's degree or master's degree program) and courses identified as deficiencies in the original letter of admission.
- Cumulative GPA: The cumulative GPA represents all courses completed at ASU.
- Achieve a "C" grade or better in all courses listed on the plan of study, including secondary education content area courses. Earning a grade of "W" or " l " in more than one course may be considered a lack of academic progress. Doctoral students carrying more than three credits of "l" grades will be considered to not be making satisfactory academic progress.
- Pass all required clinical experiences, including internships, apprentice teaching and student teaching, with a grade of " $C$ " or " $Y$ " or better.
- Maintain good standing as outlined in the professional responsibilities standards section. Students who violate professional responsibilities may be placed on academic probation or suspension or may be recommended for dismissal.


## Definitions

Academic probation: This is the status assigned to a student who has failed to maintain satisfactory academic progress, also referred to as not in good academic standing. A student placed on academic probation is informed of the areas in which program standards are not being met and the actions the student must take to be removed from academic
probation and restored to good standing. A student failing to meet the conditions for reinstatement to good standing may be recommended to the Graduate College for dismissal from the program.
A student placed on academic probation is permitted to progress into the next term (unless the next term includes student teaching, an applied project, or a culminating experience) while addressing the deficiency. A student who is on academic probation in which the next term requires student teaching need to meet with his or her advisor to discuss options for the semester.
Deficiency: This term describes a required course or another program criterion, such as coursework or GPA, which has not been met or was not successfully completed.
Dismissal: Administrative removal from the clinical experience, from student teaching or the iTeachAZ courses, from the degree program or from the college is referred to as dismissal.

Professional Improvement Plan: A professional improvement plan is a tool designed to support students who may be at risk of not progressing in their academic plan. The PIP outlines specific action steps a student must complete in order to maintain or return to good standing within their major or academic plan. There are three reasons for making a PIP referral:

- poor academic standing (i.e., ongoing academic deficiencies across coursework)
- issues regarding professionalism (classes or clinical experience)
- academic integrity violation (plagiarism, cheating, etc.)

Any ASU representative or district partner may refer a student for a PIP. Students who are referred for a PIP will meet with the assistant division director and director of student services to develop a plan for success in the program.

A student is prevented from further enrollment in any initial teacher or administrator program for any of the following reasons:

- expulsion from Arizona State University
- failure to meet the professional responsibilities outlined in the Mary Lou Fulton Teachers College Professional Responsibilities Standards and the ASU Student Code of Conduct
- failure to resolve academic deficiencies
- noncompliance with a professional improvement plan
- failure to meet ASU Graduate College policies


## B. Unsatisfactory Academic Progress Consequences

## GPA and Grade Deficiencies

Academic probation may be imposed if a student has one of the deficiencies listed below. A student placed on probation will be permitted to progress into the next term (unless the next term includes student teaching, an applied project or culminating experience) while addressing the deficiency. A student who is placed on probation in which the next term requires student teaching needs to meet with their advisor to discuss options for the semester. A graduate student with a single semester GPA at or less than 2.00 may be recommended for dismissal without the benefit of a semester of probation.
Students should carefully review the Graduate College policies (found at https://graduate.asu.edu/policiesprocedures [13]), as the Graduate College policies are required of all graduate students at ASU. Students should pay special attention to the policies regarding GPA, the time limit for degree completion, and continuous enrollment.
Deficiencies for graduate students:

1. interactive Plan of Study (iPOS) GPA less than 3.00
2. overall graduate GPA less than 3.00
3. cumulative GPA less than 3.00
4. a grade below a "C" in any required course*
5. a grade of " $l$ " or " $W$ " in a required course, or carrying more than three credits of " $\mid$ " for students in doctoral programs
*Students must repeat a course with a grade below a " C " the following semester it is offered and earn a " C " grade or better. Failure to achieve a " C " or better on the second attempt may result in a recommendation for dismissal from the program.

Students will not be approved for student teaching if they are on academic probation or suspension. Once a student returns to good standing, the student can be approved to student teach.
Graduate students who are placed on academic probation may not be permitted to complete culminating experiences applied project, etc.) until she or he returns to good standing. Doctoral students must be in good academic standing to complete comprehensive exams or to schedule oral defenses.

## Accelerated Programs (4+1 Programs)

Students in $4+1$ accelerated programs are considered undergraduate students until all undergraduate requirements have been met. Undergraduate students enrolled in the accelerated program are eligible to enroll in graduate level courses and seminars. However, they will not be eligible for most graduate prerequisites including teaching and research assistantships and related health insurance, financial aid, or graduate award programs until the undergraduate degree is completed.

Students are reviewed on an ongoing basis to ensure academic progress in both bachelor's and master's degree program requirements.

- Undergraduate students in an accelerated bachelor's/master's degree program prior to the awarding of their undergraduate degree must complete all of their bachelor's degree requirements and graduate with their undergraduate degree within 12 months of the first day of the semester for which they were admitted to the accelerated program.
- Undergraduate students must maintain a cumulative GPA of 3.00 from the time they have applied to the program (at 75 credit hours completed in the undergraduate degree) to the time the student begins taking graduate courses (at 90 credits completed in the undergraduate degree). A student must continue to maintain a 3.00 in all coursework. If an undergraduate student's cumulative GPA becomes less than a 3.00 between the time they are admitted to the accelerated program and the time they begin their coursework, their admission to the accelerated program may be revoked.
- If the student's cumulative, graduate and iPOS GPAs drop below the 3.00 GPA requirement once they have started the master's portion of the accelerated program, the student will fall under the academic standing policy for graduate students. The student will still be allowed to complete their undergraduate degree but will no longer be able to complete the graduate degree as part of the accelerated program.


## Deficiencies for students in accelerated programs:

1. interactive plan of study (iPOS) GPA less than 3.00
2. overall graduate GPA less than 3.00
3. cumulative GPA less than 3.00
4. earning a grade below a " $C$ " in any required course*
5. earning a grade of "l" or "W" in a required course
6. failure to complete the undergraduate degree within 12 months of the first day of the semester for which the student was admitted to the accelerated program
*Students must repeat a course with a grade below a " $C$ " the following semester it is offered and earn a " $C$ " grade or better. Failure to achieve a " $C$ " or better on the second attempt may result in a recommendation for dismissal from the program.

## Clinical Experience Deficiencies:

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.

1. A student who fails a clinical experience or internship course may be allowed to retake the clinical experience or internship one time if the reasons for failure are judged to be remediable. If a student is permitted to retake the clinical experience or internship and fails to pass the second time, the student will be recommended to the Graduate College for dismissal from the program.
2. In some cases, clinical experience or internship issues may be nonremediable. These may include actions that cause the sponsoring school district or other organization to suspend or dismiss an intern or teacher or administrator candidate or to demand that the student teacher or intern be removed from the clinical placement or internship due to violations of the Professional Responsibilities Standards, a professional code of conduct, district
policy, or state or federal law, or engages in other inappropriate behavior. The division will determine, based on information from the supervisor, the mentor teacher, the school district, other sponsoring organization, and the student, whether the student actions warrant immediate dismissal from the program without the benefit of a period of academic probation or another attempt to pass the clinical experience or internship.
3. An InMAC student whose clinical placement is terminated by the school district due to reasons unrelated to performance, such as reductions in force, will not be recommended for academic probation or involuntary withdrawal on that basis alone. However, if the student does not secure another full-time teaching position, he or she must complete the degree and certification requirements by transferring to a MAC track and successfully completing the requirements of that program. This means the student may not continue to take classes with an InMAC cohort.

## Students who fail a clinical experience are required to meet with the division director or designee and director of student services to determine if they are able to retake the clinical experience. Students should refer to grade appeal process for more information.

## C. Reinstatement to Good Academic Standing

To be restored to good academic standing:

1. A student must maintain or improve grades to meet the academic performance requirements.
2. An initial teacher, administrator candidate or graduate student in a non-certification program must meet the expectations of any professional improvement plan related to satisfactory academic progress or professionalism while in the program.
SPECIAL NOTE: A student on probation for lack of satisfactory progress in one area (e.g., academic progress or professional responsibilities) who subsequently fails to maintain good standing in the other area is recommended for dismissal. Return to good standing requires satisfactory progress in both areas during the time on probation. Sequential semesters of probation for repeated failures to maintain satisfactory progress are not considered.

## Section II: Professional Responsibilities (Conduct)

## A. Satisfactory Progress

Professional work is marked by a particular responsibility to the clients served. Educators are trusted with significant power and authority over students and must demonstrate that they adhere to the standards of the profession. Therefore, in addition to academic progress requirements, students are evaluated with regard to Professional Responsibilities Standards as described in this document.
The Mary Lou Fulton Teachers College Professional Responsibilities Standards show the required expectations for all students.

- All initial teacher or administrator students are expected to meet the professionalism standards in Sections A, B, $C$, and $D$ at the "applying" level, as a minimum, throughout their course of study.
- Students in non-certification programs are expected to exhibit professional conduct by meeting all standards in Sections A and B at the "emerging" level, as a minimum, throughout their course of study. Showing professionalism and growing and developing professionally are expected in all clinical experiences; in PreK-12 school-related settings; and in university settings, including in interactions with university faculty and staff.


## B. Unsatisfactory Progress - Professional Responsibilities

Students will be informed of an allegation of a violation of or lack of compliance with the Professional Responsibilities Standards and will have an opportunity to respond. As a general rule, the college seeks to assist students to become professionals by working with the students to develop and improve professional conduct. Students accused of violating or not complying with the Professional Responsibilities Standards will attend a meeting with the division director or designee and the director of student services or those otherwise appointed to discuss allegations, and they will be informed of their status in the program after the meeting. Possible sanctions include academic probation, suspension, disqualification or dismissal from the initial teacher, administrator or graduate program.

All other university policies regarding student conduct are in addition to these requirements, and infractions of the ASU Student Code of Conduct may result in additional investigations and consequences through university procedures.

## Notices of Concern

Students who receive a Notice of Concern (NOC) due to unsatisfactory academic or professional conduct may require a meeting with the Director of Student Services, the Division Director, or a designee. Failure to comply with requests related to NOCs may result in probation due to unsatisfactory progress.

## C. Dismissal from Clinical Experiences (Internship or Student Teaching)

The following policies apply to students enrolled in initial teacher certification or administrator certification programs.
In the event a school district requests that a student be dismissed from an internship or student teaching placement for unprofessional or inappropriate behavior, the intern or teacher candidate will be required to attend a meeting with the division director or designee, the senior director of student services, and other college representatives as determined by the division director to discuss the reasons for request for dismissal from the internship or student teaching placement. If it is determined that the allegations of a violation of unprofessional behavior resulting in the request for dismissal from the school or district are warranted, one or all of the following actions may result. The intern or teacher candidate:

- will be dismissed from the internship or student teaching placement
- will receive a failing grade (E) for the internship or student teaching course
- will not be assigned another internship or student teaching placement during the same semester in which the teacher candidate was assigned a failing grade
- may not withdraw from the internship or clinical experience course or the student teaching course*
- must withdraw from all courses that require concurrent enrollment with the internship or student teaching, including any applied project course taken concurrently with student teaching
*If a withdrawal is processed by the Office of the Registrar, the grade will be administratively changed to an (E).
If an intern or teacher candidate wishes to appeal the "E" grade, the candidate can follow the grade appeal process as outlined on the Teachers College website. The first step in the grade appeal process is to meet with the course instructor. Students have 10 business days to appeal a grade.
If a teacher candidate wishes to repeat the internship or student teaching and concurrent course work during the semester following the dismissal, the teacher candidate must show evidence of how they plan to resolve the situation or circumstances that resulted in the removal from the internship or student teaching. The teacher or administrator candidate will be required to meet with the division director or designee and the senior director of student services to develop a professional improvement plan outlining expectations for continued professional growth and academic development.
In the event that the teacher or administrator candidate violates the rules, policies or procedures for conduct established by the school, district, local education agency, ASU, Teachers College, or the law while on a PIP for unprofessional behavior, the teacher or administrator candidate will be dismissed from the initial teacher or administrator program. Teacher or administrator candidates who are dismissed may not petition to continue in their current academic plan but may be eligible to pursue other non-certification degree options within Teachers College (i.e., master's degree without certification) or within other colleges at ASU.
Students enrolled in the Master of Education and Arizona certification program who are dismissed from a clinical experience or fail a clinical experience and would like to complete the program without obtaining teacher certification (master's degree only) must submit a petition to the assistant division director and senior director of student services for review. Petitions are reviewed on a case-by-case basis and not all students are approved to enroll or continue to be enrolled in MAC course work. Students approved to remain in the MAC noncertification option are required to adhere to the same professionalism standards as students enrolled in certification programs. Failure to adhere to these standards results in dismissal from the Teachers College.
Special Situations for MAC and InMAC Students:


## Intern Certificate (InMAC only):

Students in the InMAC program are in multiple interdependent roles:

- employees of a school or school district
- holders of a teaching intern certificate from the Arizona Department of Education
- graduate students at Arizona State University

The teaching position requires that the student holds the intern certificate. The intern certificate requires that the college certifies to the State of Arizona Department of Education that the student is enrolled in a teacher preparation program and is in good academic standing. At the completion of the first year, the intern certificate renewal requires a letter from the college certifying that the student has met the requirements set forth by the ADE. InMAC students who are on academic
probation at the end of the first year will be evaluated on a case-by-case basis to determine if a renewal or extension letter can be issued. At the completion of the second year, only students in good academic standing are eligible for an institutional recommendation (IR) to obtain a provisional teaching certificate.
An InMAC student who is ineligible to renew his or her intern certificate is no longer eligible to continue in the alternative pathway to teacher certification program. The student may be allowed to complete the degree and certification requirements by enrolling in the MAC track of the program. More information is available from the Office of Student Services.
Note: Due to the intensity of program coursework and apprentice teaching, students participating in InMAC are not permitted to enroll in courses outside of the prescribed plan of study. Students who are enrolled in courses outside of the InMAC program are not able to participate in InMAC and are administratively withdrawn from program courses.

## Completion of Student Teaching and Applied Project (MAC and InMAC)

As a part of a MAC or InMAC student's degree requirements, all students must complete an applied project course (Secondary: SED 593, Special Education: SPE 593, Elementary Education: EED 593). The purpose of the applied project is to act as a culmination of student work throughout the program and to enhance the student teaching experience. As a part of this course, students begin by formulating a topic that they will be researching with a group of students throughout the entire semester, typically those in their student teaching placement (second internship for SPE MAC) and with their placement school's permission. A grade of a " B " or better is required to pass the course and graduate from the master's program.
In those cases in which a student enrolled in an applied project course must leave their placement, they will be required to also withdraw from the applied project course. This is necessary as students will no longer have preapproved access to the students needed to complete the necessary research for the project. Students dropping both courses will still need to maintain the ASU Graduate College policy of continuous enrollment, either by completing at least one credit of graduatelevel coursework or with an approved medical/compassionate withdrawal for the semester.

Applied Project Retake: Students approved for a new student teaching experience retake the applied project concurrently with the new placement.
For students who successfully complete their student teaching placement, but do not pass the applied project ("B" or better) or if students must complete the program without certification, they are required to complete the next available corresponding applied project course. Students must have access to a group of children in the relevant age group (preapproved by any organization they might belong to) which they must locate themselves. Students must also contact the instructor of the applied project course before the end of the first week of class to discuss their situation, including that they will not be completing their project in an ASU placement.

## Appeal Process

## Academic Probation

There is no appeal from the action of being placed on probation. Probation provides warning to the student of the potential for suspension or dismissal.

## Grade Appeals

Reasons for Grade Appeal
A student may appeal a grade only when the student can document that one or a combination of the following has occurred:

1. The instructor erred in calculating points or acknowledging timely submission of assignments.
2. The instructor did not apply grading standards equitably; for example, there is evidence of bias due to race, age, sex, religion or national origin).
3. The instructor did not assign grades consistently with the standards and procedures for evaluation announced at the beginning of the course in the course syllabus. The instructor may amend or supplement the standards and procedures during the course by providing written or oral notice to the entire class.

## Grade Appeal Procedure

To receive consideration, grade appeals must be submitted to the course instructor within 10 business days of the last date for posting final grades, as noted in the academic calendar. The academic calendar is available at https://students.asu.edu/academic-calendar [5].
Step One: Informal meeting with the instructor --- This step is mandatory and applies to appeal of course grades only.

1. The student must contact the instructor of the course and submit the attached grade appeal. The student must provide to the instructor any additional relevant documentation to support the appeal and reasons for disputing the grade. The narrative accompanying the grade appeal form may not exceed five double-spaced pages.
2. The student must meet with the instructor either face to face or (in the case of online classes only) virtually. If this meeting does not resolve the grievance, the student may move to step two and submit the grade appeal form to the appropriate contact in the Office of Student Services.

If the required meeting with the instructor has not taken place, the appeal will be accepted only if the student supplies evidence that the student contacted the instructor and either received no reply within five business days or was unable to schedule a meeting within 10 business days of the date of contact.
Step Two: Submit Grievance to Office of Student Services --- If the grievance is not resolved in step one, the student may forward the grade appeal to the executive director of academic services.
Step Three: Division Director Reviews Grade Appeal --- The director of student services will review the grade appeal and may request additional information if needed. The grade appeal will be forwarded to the division director for review.

- Graduate certification program appeals will be sent to the division director of Teacher Preparation.
- Non-teacher certification graduate appeals will be sent to the division director of Educational Leadership and Innovation.
The division director will review all information and will notify the student of the outcome.


## Step Four: Appeal Decision to the Dean

- Per university policy, the student may appeal the division director's decision to the dean, whose decision is final. The students must appeal within five business days of receiving the letter from the division director. The letter will contain information regarding how the appeal should be submitted.
- Only the issue appealed to the division director may be appealed; no new issues or complaints may be added.
- The dean or designee has full discretion as to whether to refer the appeal to the Student Issues Committee (also known as the college Academic Grievance Committee). Students should see https://catalog.asu.edu/appeal [6] for university policies on grade appeals.
- The student will be notified by mail of the outcome. The decision of the Student Issues Committee (dean's designee) is final.
It is university policy that students filing grievances and those who are witnesses be protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college in which the course is offered.

For more information on university grading policies, students should see https://catalog.asu.edu/appeal [6]. During the time of the appeal, a student may register for courses; however, if the appeal is denied and the student is withdrawn, university policies on tuition refunds will be applied. Any concerns about tuition charges should be addressed to the registrar's office.

## Appealing a Recommendation for Dismissal from Program

The ASU Graduate College admits students to graduate study at Arizona State University. Students who fail to make satisfactory academic progress may be involuntarily withdrawn (dismissed) from their academic programs by the ASU Graduate College upon the recommendation of the college. The student has the right to appeal a recommendation for dismissal.
Steps in appeal process:

1. The student will receive notice that a recommendation for dismissal from the program is being made to the ASU Graduate College.
2. Within 10 business days of receiving the notice, the student may appeal in writing to the Mary Lou Fulton Teachers College Student Issues Committee (dean's designee). Petition for review forms are available in the Mary Lou Fulton Teachers College Office of Student Services on each campus and online at http://mytc.asu.edu [14]. Failure to file the form within 10 business days of the date of notification will result in an automatic denial of the appeal.

## Other Graduate Policies

## Continuous Enrollment and Re-entry for Graduate Programs

Once admitted to a graduate program, the student must be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. If a plan of study must be interrupted for one semester, the student may apply to the Graduate College for a leave of absence not to exceed one semester. An application for leave status, endorsed by the division director or designee, must be approved by the Graduate College; for a doctoral student, the leave must also be endorsed by the members of the student's supervisory committee. This request must be filed and approved prior to the semester of anticipated absence. A student on leave is not required to pay fees and is not permitted to place any demands on university faculty or use any university facilities. Students may be continuously enrolled by registering for one credit hour of continuing registration; students should contact an academic advisor for more details. A student who interrupts a program without obtaining an approved leave of absence may be removed from the degree program by the Graduate College.

## Concurrent Degrees

The primary degree is the one that shows at the top of a student's transcript. A concurrent degree is an additional degree a student pursues.
For concurrent master's degrees, concurrent master's and doctoral degrees and concurrent doctoral degrees, students must follow the Graduate College policies at https://graduate.asu.edu/policies-procedures. [13]

## Graduation Requirement

A candidate for a graduate degree must satisfactorily complete the culminating experience requirements required by the program. Information is available for each program from the Office of Student Services.

## Master's Degree Programs

In addition to the Graduate College policy and procedures that govern graduate programs at ASU and which are provided elsewhere in this catalog, the policies specific to each master's degree program are provided to students at the time of enrollment in the program. Students are limited to 15 credit hours per semester. Online students are limited to nine credit hours per semester. Exceptions must be approved by the division director. Students who enroll in additional hours may be administratively withdrawn.
Each student in the induction, Master of Education and Arizona certification program must hold an Arizona intern teaching certificate and be employed. If either the employment or certificate status changes, the student will need to apply to be placed in the Master of Education and Arizona certification program. A MAC student who becomes employed on an intern certificate is evaluated by the division director or designee and placed in the appropriate classes to complete the degree. In either case, extra time may be required to complete the degree program.

## Doctoral Degree Programs

In addition to the Graduate College policies and procedures that govern doctoral programs at ASU and which are provided elsewhere in this catalog, the satisfactory academic progress and professional conduct policies apply. Additional information specific to a degree program may be provided when students first register for the program.

## PhD and EdD Satisfactory Academic Progress and Professional Conduct Policy

Students in doctoral programs may be placed on academic probation for reasons stated in the Satisfactory Academic Progress and Professional Conduct Policy. These include but are not limited to:

- failure to meet the academic requirements of the Graduate College, to have a GPA of 3.00 (on a 4.00 scale) or to meet the academic requirements of the particular program as stated in the program handbook
- unsatisfactory progress as noted on annual review form by mentor or failure to meet for annual review
- failure to meet the standards of professional conduct or violations of the student conduct code which may result in academic probation, or, for egregious violations, immediate recommendation to the Graduate College for dismissal
In addition to minimum academic requirements and conduct requirements, a student must maintain progress to degree completion. A student can be recommended to the Graduate College for dismissal for failure to meet the Graduate College policies at https://graduate.asu.edu [12].
Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies.


## Student Support Process

The Notice of Concern is a referral process designed to support all graduate students who may be at risk of not progressing in the academic plan for their major and who may need additional support from the college.
The following outlines the steps taken in the referral process.

1. The instructor, site coordinator or other university representative discusses concerns with the student and informs the student that a Notice of Concern will be submitted to college leadership. Depending on the nature of the referral, the student may be required to attend a meeting with college leadership to offer additional support.
2. If the referral is made for a violation of the academic or professional code of conduct or unprofessionalism, the student will be required to attend a mandatory meeting to discuss the alleged violations. This meeting provides the student with an opportunity to share their side of the situation. At the meeting, a professional improvement plan agreement is developed with input from the student and college administration. Students on a PIP are placed in probationary status in the college until requirements of the PIP are met. Some violations of professionalism or academic integrity may result in immediate dismissal from the program or placement.
3. If the referral is not for a violation of academic or professional conduct, a student support consultation meeting is conducted. This meeting provides students with resources and additional university-wide support. At the meeting, student needs are identified and a plan for success is created along with follow-up recommendations.
4. Students are required to attend a follow-up meeting to discuss their status in meeting requirements outlined in their plan. Failure to attend a required meeting or to fulfill expectations outlined in the PIP agreement may result in dismissal from the program.

## Additional Requirements

Per Arizona state statute A.R.S. $\S 15-106$, all teachers and persons who are required to be fingerprinted to work in the classroom are required to have an identity-verified fingerprint clearance card. All students enrolling in programs leading to certification must participate in clinical experiences and student or apprentice teaching. Students participating in clinical experiences must have proof of a fingerprint clearance card on file in the Office of Clinical Experiences before field placement hours begin.

## Definition of Terms

Academic probation: The status assigned to a student who has failed to maintain satisfactory academic progress, also referred to as "not in good academic standing." A student placed on academic probation is informed of the areas in which program standards are not being met and the actions the student must take to be removed from academic probation and restored to good standing. A student failing to meet the conditions for reinstatement to good standing may be recommended for dismissal from the program.
A student placed on academic probation will be permitted to progress into the next term (unless the next term includes student teaching) while addressing the deficiency. Students who are placed on academic probation in which the next term requires student teaching will need to meet with his or her advisor to discuss options for the semester.

Academic suspension: An undergraduate student placed on academic suspension may not progress into the next term until all deficiencies have been resolved. Students are required to complete their deficiencies within one calendar year. Failure to do so will result in dismissal from the program.
The college: Mary Lou Fulton Teachers College (MLFTC)
Clinical experience: any practicum, internship, apprentice teaching, student teaching or other field-based course taking place off campus in a professional setting such as a school district, charter school, government agency or other educational organization
Cumulative GPA: grade point average of all courses completed at ASU
Deficiency: a required course or another program criterion, such as coursework and GPA criteria, which has not been met or was not successfully completed

Dismissal: administrative removal from the field experience, student teaching and/or iTeachAZ courses program or college

A student is prevented from further enrollment in any initial teacher or administrator program for any of the following reasons:

- expulsion from Arizona State University
- failure to meet the professional responsibilities outlined in the Mary Lou Fulton Teachers College Professional Responsibilities Standards and the ASU Student Code of Conduct
- failure to resolve academic deficiencies
- noncompliance with a Professional Improvement Plan (PIP)
- failure to meet ASU Graduate College Policies (for graduate students)

GPA: grade point average
Overall graduate GPA: grade point average calculated on all graduate courses, whether or not they are on the approved program of study (iPOS)
ASU Graduate College: the academic organization within ASU that oversees all graduate study in every college, with the authority to admit and involuntarily withdraw (dismiss) graduate students (The college recommends the actions, but it is the dean of the Graduate College who holds the ultimate authority.)
InMAC: Induction Masters and Arizona Certification program, the college alternative pathway to teacher certification
Institutional recommendation: All Teachers College certification programs are approved by the Arizona Department of Education to issue Institutional Recommendations to students who have fulfilled the state's requirements for certification. The IR allows for expedited issuance of the teaching or administrative certificate.
iPOS: graduate plan of study, entered and approve electronically and consisting of the courses required for the student to earn the degree
iPOS GPA: grade point average calculated using the courses on the Plan of Study (iPOS)
MAC: Masters and Arizona Certification graduate program
Professional improvement plan: This is a tool designed to support students who may be at risk of not progressing in their major or academic plan. The PIP outlines specific action steps a student must complete in order to maintain or return to good standing within their major or academic plan. There are three reasons for making a PIP referral:

- poor academic standing (i.e. ongoing academic deficiencies across coursework)
- issues regarding professionalism (classes or clinical experience)
- academic integrity violation (plagiarism, cheating, etc.)

Any ASU representative or district partner may refer a student for a PIP. Students who are referred for a PIP meet with the assistant division director and director of student services to develop a plan for success in the iTeachAZ program.
Student Code of Conduct: the ASU code of conduct located at https://eoss.asu.edu/dos/srr/codeofconduct [11]

Source URL: https://catalog.asu.edu/policies/mlftc [1]

## Links:

[1] https://catalog.asu.edu/admin/field/edit/node/2833/body?destination=print/2833
[2] https://education.asu.edu/
[3] https://provost.asu.edu/academic-integrity
[4] http://students.asu.edu/srr/code
[5] https://students.asu.edu/academic-calendar
[6] https://catalog.asu.edu/appeal
[7] https://education.asu.edu/student-life/student-services-undergraduate
[8] https://sites.google.com/a/asu.edu/tc-graduate-student-resources/introduction/student-success-staff
[9] https://education.asu.edu/student-forms-policies
[10] https://students.asu.edu/drop-add
[11] https://eoss.asu.edu/dos/srr/codeofconduct
[12] https://graduate.asu.edu
[13] https://graduate.asu.edu/policies-procedures
[14] http://mytc.asu.edu

## Academic Programs List

The following section contains a listing of all program descriptions and requirements that are provided for graduate degrees and certificates, minors, undergraduate certificates and undergraduate degrees. Undergraduate degrees have a corresponding major map that includes the critical requirements, order of courses and grade requirements for that degree. Each undergraduate degree's requirements are outline on the degree's corresponding major map. The major maps and MAPP and TAG agreements are provided in the final sections of this document.

Graduate Programs
Graduate Degrees and Certificates (Program Descriptions and Requirements)
Business, W. P. Carey School of Accountancy, MAcc (BAACCMACC)
Agribusiness, MS (AGAGRIBMS)
Business Administration (Accountancy), PHD (BAACCTPHD)
Business Administration (Agribusiness), PHD (BAAGRIPHD)
Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)
Business Administration (Finance), PHD (BAFINANPHD)
Business Administration (Management), PHD (BAMGMTPHD)
Business Administration (Marketing), PHD (BAMARKPHD)
Business Administration (Supply Chain Management), PHD (BASCMPHD)
Business Analytics, MS (BABUSANMS)
Economics, PHD (BAECONPHD)
Finance, MS (BAFINMS)
Global Financial Management, DBA (BAGFMDBA)
Global Logistics, MS (BAGLSMS)
Information Management, MS (BAINFOMS)
Management, MS (BACMRMS)
Management, MS (BAMCCMS)
Real Estate Development, MREDev (ARREMREDEV)
Supply Chain Management (certificate), Certificate (BASCMCERT)
Supply Chain Management and Engineering, MS (BASCMEMS)
Taxation, MTax (BATAMTAX)
W. P. Carey MBA, MBA (BACORPMBA)
W. P. Carey MBA, MBA (BAEVEAMBA)
W. P. Carey MBA, MBA (BAEVENMBA)
W. P. Carey MBA, MBA (BAEXECMBA)
W. P. Carey MBA, MBA (BAFULLMBA)
W. P. Carey MBA, MBA (BAONLINMBA)
W. P. Carey MBA, MBA (BASHANGMBA)

Design \& the Arts, Herberger Institute for
Architecture, MArch (ARARCMARCH)
Art, MFA (HIARTMFA)
Art (Art Education), MA (FAARTEDMA)
Art (Art History), MA (FAARTHISMA)
Art (Digital Technology), MFA (FADIGITMFA)
Built Environment (Energy Performance and Climate Responsive Architecture), MS (ARENERGYMS)
Composition, MM (FAMCOMPMM)
Composition (Interdisciplinary Digital Media and Performance), MM (FADIGITMM)
Creative Enterprise and Cultural Leadership, MA (HICECLMA)
Dance, MFA (FADANCEMFA)
Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)
Dance Teaching Artist Praxis (Certificate), Certificate (HIDTAPGRCT)
Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)
Design (Industrial Design), MSD (ARINDDEMSD)
Design (Interaction Design), MSD (ARDSCIMSD)
Design (Interior Design), MSD (ARINTDEMSD)
Design (Visual Communication Design), MSD (ARVCDMSD)
Design, Environment and the Arts, PHD (HIDEAPHD)

Design, Environment and the Arts (Design), PHD (HIDEADSPHD)
Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVDGPHD)
Design, Environment and the Arts (Healthcare and Healing Environments), PHD (ARENHHEPHD)
Design, Environment and the Arts (History, Theory, and Criticism), PHD (HIDEAHTPHD)
Digital Culture, MA (HIDGCMA)
Industrial Design, MID (HIINDMID)
Interior Architecture, MIA (HIIAMIA)
Landscape Architecture, MLA (ARLDEMLA)
Media Arts and Sciences, PHD (FAMASPHD)
Music (Conducting), DMA (FACONDDMA)
Music (Ethnomusicology), MA (FAETHNMA)
Music (Interdisciplinary Digital Media and Performance), DMA (FAINTDDMA)
Music (Music Composition), DMA (FACOMPDMA)
Music (Music Education), PHD (FAMUSEDPHD)
Music (Musicology), MA (FAMHISTMA)
Music (Musicology), PHD (HIMUSMPHD)
Music (Performance), DMA (FAPERFDMA)
Music Education, MM (FAMUSEDMM)
Music Theory Pedagogy (Certificate), Certificate (HIMTPGRCT)
Music Therapy, MM (FAMTHERMM)
Performance (Collaborative Piano), MM (FACPIANOMM)
Performance (Conducting), MM (HIPERCOMM)
Performance (Music Theatre/Opera Performance), MM (FAMUTPOMM)
Performance (Performance Pedagogy), MM (FAPPEDMM)
Performance (Performance), MM (FAPERF3MM)
Socially Engaged Practice in Design and the Arts (Certificate), Certificate (HISEPGRCT)
Theatre, MA (FATHEAMA)
Theatre (Arts Entrepreneurship and Management), MFA (HITHEAEMFA)
Theatre (Directing), MFA (FADIRMFA)
Theatre (Dramatic Writing), MFA (FADRWRTMFA)
Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)
Theatre (Performance Design), MFA (FAPERDMFA)
Theatre (Performance), MFA (FAPERFMFA)
Theatre (Theatre For Youth), MFA (FAYOUTHMFA)
Theatre (Theatre For Youth), PHD (FAYOUTHPHD)
Theatre (Theatre/Performance Americas), PHD (FAPERAMPHD)
Urban Design, MUD (ARMUDMUD)
Visual Communication Design, MVCD (HIVCDMVCD)
Engineering, Ira A. Fulton Schools of
Aerospace Engineering, MS (ESAEROSPMS)
Aerospace Engineering, PHD (ESAERSPPHD)
Applied Ethics and the Professions (Ethics and Emerging Technologies), MA (LAAEPEETMA)
Biological Design, PHD (GCBDSPHD)
Biomedical Engineering, MS (ESBIOENMS)
Biomedical Engineering, PHD (ESBIOENPHD)
Chemical Engineering, MS (ESCHEMEMS)
Chemical Engineering, PHD (ESCHEMEPHD)
Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)
Civil, Environmental and Sustainable Engineering, MSE (ESCIVILMSE)
Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)

Computer Engineering (Computer Systems), MS (ESCENCMS)
Computer Engineering (Computer Systems), PHD (ESCENCPHD)
Computer Engineering (Electrical Engineering), MS (ESCENEMS)
Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)
Computer Science, MCS (ESCOMSCMCS)
Computer Science, MS (ESCOMSCMS)
Computer Science, PHD (ESCOMSCPHD)
Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)
Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)
Computer Science (Big Data Systems), MCS (ESCSEBDMCS)
Computer Science (Big Data Systems), MS (ESCSEBDMS)
Computer Science (Biomedical Informatics), MS (ESCSBIOIMS)
Computer Science (Information Assurance), MCS (ESCSEIMCS)
Computer Science (Information Assurance), MS (ESCSEIAMS)
Computer Science (Information Assurance), PHD (ESCSEIAPHD)
Construction Engineering, MSE (ESCONEMSE)
Construction Management, MS (ESCONSTMS)
Construction Management, PHD (ESCONPHD)
Electrical Engineering, MS (ESEEMS)
Electrical Engineering, MSE (ESEEMSE)
Electrical Engineering, PHD (ESEEPHD)
Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)
Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)
Engineering, MEng (ESENGRMENG)
Engineering, MS (TSEGRMS)
Engineering Education Systems and Design, PHD (ESEESDPHD)
Engineering Science (Software Engineering), MSE (ESSFEMSE)
Environmental and Resource Management, MS (ESERMMS)
Environmental and Resource Management (Water Management), MS (ESERMWTMS)
Human Systems Engineering, MS (ECAPSYCHMS)
Human Systems Engineering, PHD (TSSMACSPHD)
Industrial Engineering, MS (ESINDENMS)
Industrial Engineering, PHD (ESINDENPHD)
Information Technology, MS (TSIFTMS)
Lean Six Sigma Black Belt (Certificate), Certificate (ESLSSBGRCT)
Manufacturing Engineering, MS (TSMEGRMS)
Materials Science and Engineering, MS (ESMATEMS)
Materials Science and Engineering, PHD (ESENMATPHD)
Mechanical Engineering, MS (ESMEMS)
Mechanical Engineering, PHD (ESMEPHD)
Molecular, Cellular, Tissue, and Biomaterials Engineering (Certificate), Certificate (ESMCTBGRCT)
Neural Engineering (Certificate), Certificate (ESNENGRCT)
Nuclear Power Generation (certificate), Certificate (ESNPGGRCT)
Sensor Signal and Information Processing (Certificate), Certificate (ESSSIPGRCT)
Software Engineering, MS (TSSERMS)
Solar Energy Engineering and Commercialization, PSM (ESSEECPSM)
Sustainable Engineering, MSE (ESSUEMSE)
Systems Engineering, PHD (ESSYSPHD)
Technology (Aviation Management and Human Factors), MSTech (TSHFMSTECH)
Technology (Environmental Technology Management), MSTech (TSMGMSTECH)

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    Technology (Graphic Information Technology), MSTech (TSGIMSTECH)
    Technology (Management of Technology), MSTech (TSMRMSTECH)
    Technology (Manufacturing Engineering Technology), MSTech (TSMFMSTECH)
Future of Innovation in Society, School for the
    Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)
    Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)
    Global Development and Innovation (Certificate), Certificate (FIGDIGRCT)
    Global Technology and Development, MS (LSGTDMS)
    Global Technology and Development (Applied International Development), MS (FIGTDAIDMS)
    Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)
    Innovation in Global Development, PHD (FIIGDPHD)
    Nonfiction Writing and Publishing (Certificate), Certificate (LANWPGRCT)
    Responsible Innovation in Science, Engineering and Society (certificate), Certificate (GCRSESGRCT)
    Science and Technology Policy, MSTP (LAHSDPSM)
Global Management, Thunderbird School of
    Applied Leadership and Management, MALM (TBALMMALM)
    Global Affairs (Certificate), Certificate (TBGAFGRCT)
    Global Affairs and Management, MA (TBGAMMA)
    Global Development (Certificate), Certificate (TBGDVGRCT)
    Global Finance (Certificate), Certificate (TBGFINGRCT)
    Global Management, MGM (TBTGMMGM)
    Global Management, MGM (TBTGMXMGM)
    Global Management (Certificate), Certificate (TBTGMGRCT)
    Global Marketing (Certificate), Certificate (TBGMKTGRCT)
    Global Trade and Commerce (Certificate), Certificate (TBGTCMGRCT)
Health Solutions, College of
    Audiology, AuD (LAAUDAUDD)
    Auditory and Language Neuroscience, MS (NHALNEUMS)
    Behavioral Health, DBH (LSBEVHEDBH)
    Behavioral Health (Clinical), DBH (NHBVHCDBH)
    Behavioral Health (Management), DBH (NHBVHMDBH)
    Biomedical Diagnostics, MS (NHBMDMS)
    Biomedical Informatics,MS (ESBIOINFMS)
    Biomedical Informatics, PHD (ESBMIPHD)
    Clinical Exercise Physiology, MS (NHCEPMS)
    Communication Disorders, MS (LACOMDISMS)
    Exercise and Nutritional Sciences, PHD (ECNUTRIPHD)
Exercise and Wellness, MS (ECEXERMS)
Exercise and Wellness (Healthy Aging), MS (NHEXWHMS)
Health Informatics, MAS (GCHLHINMAS)
Integrated Behavioral Health - Clinical (Certificate), Certificate (NHIBHCGRCT)
Integrated Behavioral Health - Management (Certificate), Certificate (NHIBHMGRCT)
Integrated Health Care, MIHC (NHIHCMIHC)
Medical Nutrition, MS (NHMNTRMS)
Nutrition, MS (ECHNUTMS)
Nutrition (Dietetics), MS (ECNTRDMS)
Obesity Prevention and Management, MS (NHOBSMS)
Science of Health Care Delivery, MS (NHSHCDMS)
Science of Health Care Delivery (Certificate), Certificate (NHHCDGRCT)
Speech and Hearing Science, PHD (LAHEARPHD)
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Speech and Hearing Science (Auditory and Language Neuroscience), PHD (NHSHSALPHD)
Speech and Hearing Science (Translational Genetics of Communication Abilities), PHD (NHSHSTGPHD)
Integrative Sciences and Arts, College of
Applied Biological Sciences, MS (TSAPBIOSMS)
Counseling, MC (EDCOUNMC)
Counseling Psychology, PHD (EDCPSYPHD)
Integrative Social Science, MS (LSISSMS)
Narrative Studies, MA (LSNRSMA)
Technical Communication, MS (LSTCCMMS)
Technical Communication (certificate), Certificate (LSTECGRCT)
Interdisciplinary Arts \& Sciences, New College of
Communication Studies, MA (ASCOMSTMA)
English, MA (ASENGLMA)
Forensic Psychology, MS (ASFPSYMS)
Interdisciplinary Studies, MA (ASINTERMA)
Law and Psychology, PHD (ASLPSYPHD)
Psychology, MS (ASPGSMS)
Social Justice and Human Rights, MA (ASJHRMA)
Social Technologies, MA (ASSTCMA)
Journalism \& Mass Communication, Walter Cronkite School of Business Journalism, MS (CSBSJMS)
Business Journalism (Certificate), Certificate (CSBSJGRCT)
Digital Audience Strategy, MS (CSDASMS)
Digital Audiences (certificate), Certificate (CSDASGRCT)
Journalism and Mass Communication, PHD (CSJMCPHD)
Mass Communication, MMC (CSMCOMMMC)
Sports Journalism, MA (CSSPJMA)
Law, Sandra Day O'Connor College of
Biotechnology and Genomics, LL.M. (LWGENOMLLM)
Health Law and Policy (Certificate), Certificate (LWHLPGRCT)
Indian Law (certificate), Certificate (LWLAWGRCI)
Juris Doctor of Law, JD (LWJDJD)
Law and Sustainability (Certificate), Certificate (LWLSUSGRCT)
Law, Science, \& Technology (certificate), Certificate (LWLAWSTCE)
Laws, LL.M. (LAWLAWSLLM)
Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)
Legal Studies, MLS (LWLGSMLEGS)
Legal Studies (Patent Practice), MLS (LWLPPMLEGS)
Sports Law and Business, JD (LWSLBJD)
Sports Law and Business, LL.M. (LWSLBLLM)
Sports Law and Business, MLS (LWSLBMLS)
Sports Law and Business, MSLB (LWSLBMSLB)
Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)
Liberal Arts \& Sciences, College of
Actuarial Science, MS (LAACTMS)
African Studies (certificate), Certificate (LAAFRICACE)
American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)
American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)
American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)
American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)

American Studies, MA (LAAMSTMA)
Animal Behavior, PHD (LAANBPHD)
Anthropology, PHD (LAANTHRPHD)
Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)
Anthropology (Urbanism), PHD (LAURBPHD)
Applied Behavior Analysis, MS (LAAPBAMS)
Applied Linguistics, PHD (EDAPLPHD)
Applied Mathematics, PHD (LAAPMPHD)
Applied Mathematics for the Life \& Social Sciences, PHD (LAAMLPHD)
Applied Mathematics for the Life and Social Sciences (Complex Adaptive Systems Science), PHD (LAAMLCPHD)
Asian Languages and Civilizations (Chinese), MA (LACHINAMA)
Asian Languages and Civilizations (Japanese), MA (LAJAPANMA)
Asian Studies (certificate), Certificate (LAASIANCE)
Astrophysics, PHD (LAASTPHPHD)
Astrophysics and Astronomy, MS (LAASTPHMS)
Atmospheric Science (certificate), Certificate (LAATMOSCE)
Biochemistry, MS (LABIOCHMS)
Biochemistry, PHD (LABIOCHPHD)
Biochemistry (Medicinal Biochemistry), MS (LABCHMCMS)
Biology, MS (LABIOMS)
Biology, PHD (LABIOPHD)
Biology (Biology and Society), MS (LABIOSMS)
Biology (Biology and Society), PHD (LABIOSPHD)
Biology (Complex Adaptive Systems Science), PHD (LABIOCPHD)
Biomimicry, MS (LABMYMS)
Biomimicry (Certificate), Certificate (LABMYGRCT)
Chemistry, MS (LACHEMMS)
Chemistry, PHD (LACHEMPHD)
Communication, MA (LACOMMOMA)
Communication, PHD (LACOMMOPHD)
Computer-Assisted Language Learning (Certificate), Certificate (LACALLGRCT)
Creative Writing, MFA (LACWRITMFA)
Critical Theory (certificate), Certificate (LACRTGRCT)
Digital Humanities (Certificate), Certificate (LACDHGRCT)
East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)
English, MA (LAENGLMA)
English (English Education), PHD (LAENEDPHD)
English (Literature), PHD (LAENLITPHD)
English (Writing, Rhetorics, and Literacies), PHD (LAENRHTPHD)
English Education, MA (LAENEDMA)
Environmental Communication and Leadership (Certificate), Certificate (LAECLGRCT)
Environmental Life Sciences, PHD (LAELSPHD)
Environmental Social Science, PHD (LAESSPHD)
Environmental Social Science (Complex Adaptive Systems Science), PHD (LAESSCPHD)
Environmental Social Science (Urbanism), PHD (LAESSURPHD)
Evolutionary Biology, PHD (LAEVOPHD)
Exploration Systems Design, PHD (LAESDPHD)
Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)
Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)

Natural Science (Geological Sciences), MNS (LANATSCIMN)
Natural Science (Physics), MNS (LAPHYSMNS)
Neuroscience, PHD (GCBMENPHD)
Philosophy, MA (LAPHILMA)
Philosophy, PHD (LAPHILPHD)
Philosophy (History and Philosophy of Science), MA (LAHPSMA)
Philosophy (History and Philosophy of Science), PHD (LAHPSPHD)
Physics, MS (LAPHYSIMS)
Physics, PHD (LAPHYSIPHD)
Plant Biology and Conservation, MS (LAPLBIOMS)
Political Science, MA (LAPOLSCMA)
Political Science, PHD (LAPOLSCPHD)
Psychology, PHD (LAPSYCHPHD)
Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)
Religious Studies, MA (LARELIGMA)
Religious Studies, PHD (LARELIGPHD)
Renaissance Studies (certificate), Certificate (LARENAISCE)
Scholarly Publishing (certificate), Certificate (LASCHPUBCE)
Scientific Teaching in Higher Education (certificate), Certificate (LASTHEGRCT)
Sexuality Studies (Certificate), Certificate (LASXSGRCT)
Social and Cultural Pedagogy, MA (LASCPMA)
Social Science Research Methods (Certificate), Certificate (LASSRMGRCT)
Social Transformation Certificate, Certificate (LASOTGRCT)
Socio-Economic Justice (certificate), Certificate (LAECJUGRCT)
Sociological Inquiry, PHD (LASOCPHD)
Sociology, MA (LASOCMA)
Spanish, MA (LASPANMA)
Spanish, PHD (LASPANPHD)
Spanish Language Pedagogy (certificate), Certificate (LASPAPGRCT)
Statistics, MS (GCSTATMS)
Statistics, PHD (LASTPPHD)
Statistics (certificate), Certificate (GCSTATCE)
Teaching English to Speakers of Other Languages, MTESOL (LAENGMTESL)
Transborder Studies, MAS (LATCLMAS)
Transborder Studies, PHD (LATCLPHD)
Transportation Systems (certificate), Certificate (GCTRANSCE)
Urban and Environmental Planning, MUEP (ARURBMUEP)
Urban Planning, PHD (ARPUPPHD)
Women and Gender Studies, MA (LAWSTMA)
Nursing and Health Innovation, College of
Acute Care Pediatric Nurse Practitioner (certificate), Certificate (NUACPNGRCT)
Adult Gerontology Nurse Practitioner (Certificate), Certificate (NUAGNPGRCT)
Adv Nursing Practice (Women's Health NP), DNP (NUANPWHDNP)
Advanced Nursing Practice, DNP (NUANPDNP)
Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP (NUANPACDNP)
Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP (NUANPAGDNP)
Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)
Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP (NUANPCFDNP)
Advanced Nursing Practice (Innovation Leadership), DNP (NUANPILDNP)
Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPNDNP)

Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP) Biospecimen Repository Administration (certificate), Certificate (NUBRAGRCT)
Care Coordination (certificate), Certificate (NUCRCDGRCT)
Clinical Research Management, MS (NUCRMMS)
Clinical Research Management (certificate), Certificate (NUHCRGRCC)
Clinical Research Management (Regulatory Science), MS (NUCRMRSMS)
Community and Public Health Practice (certificate), Certificate (NUCHPGRCH)
Family Nurse Practitioner (certificate), Certificate (NUFMPGRCE)
Family Psychiatric and Mental Health Nurse Practitioner (certificate), Certificate (NUPMNUPRCE)
Health Care Innovation, Certificate (NUHCINGRCT)
Healthcare Innovation, MHI (NUHCINNMHI)
Innovation Leadership, Certificate (NUINLSGRCT)
International Health for Healthcare Professionals (certificate), Certificate (NUHCRGRCI)
Interprofessional Healthy Aging (certificate), Certificate (NUGNCERT)
Nurse Education in Academic and Practice Settings (certificate), Certificate (NUNURSEDCE)
Nursing (Care Coordination), MS (NUCRCDMS)
Nursing (Nursing Education), MS (NUNURSEDMS)
Nursing (Nursing Informatics), MS (NUNINFMS)
Nursing (Patient Safety and Health Care Quality), MS (NUPSHCMS)
Nursing and Healthcare Innovation, PHD (NUNHIPHD)
Nursing Informatics (Certificate), Certificate (NUNINFGRCT)
Patient Safety and Health Care Quality (certificate), Certificate (NUPSHCGRCT)
Pediatric Nurse Practitioner (Certificate), Certificate (NUPDNPGRCT)
Regulatory Science and Health Safety, MS (NURSHSMS)
Women's Health Nurse Practitioner (Certificate), Certificate (NUWHNPGRCT)
Public Service and Community Solutions, College of
Assessment of Integrative Health Modalities (certificate), Certificate (PPSWGGRCH)
Community Resources and Development, MS (PPRECDTMS)
Community Resources and Development, PHD (PPCRDPHD)
Community Resources and Development (Nonprofits and NGOs), MS (PPCRDNPMS)
Community Resources and Development (Parks and Recreation Management), MS (PPCRDPRMS)
Community Resources and Development (Sustainable Communities), MS (PPCRDSCMS)
Community Resources and Development (Tourism), MS (PPCRDTMMS)
Corrections Management (Certificate), Certificate (PPCMGGRCT)
Criminal Justice, MA (PPCRIMJMA)
Criminal Sentencing and Sentencing Advocacy (Certificate), Certificate (PPCSAGRCT)
Criminology and Criminal Justice, MS (PPCRJMS)
Criminology and Criminal Justice, PHD (PPCRJPHD)
Emergency Management (Certificate), Certificate (PPEMEGRCT)
Emergency Management and Homeland Security, MA (PPEMHSMA)
Emergency Management and Homeland Security (Biosecurity and Threat Management), MA (PPEMHSBTMA)
Emergency Management and Homeland Security (Community Resilience), MA (PPEMHSCRMA)
Emergency Management and Homeland Security (Emergency Management), MA (PPEMHSEMMA)
Emergency Management and Homeland Security (Homeland Security), MA (PPEMHSHSMA)
Latino Cultural Competency in Social Work (certificate), Certificate (PPSWGGRCL)
Law Enforcement Administration (Certificate), Certificate (PPLEAGRCT)
Nonprofit Leadership and Management, MNLM (PPNPSMNS)
Nonprofit Leadership and Management (certificate), Certificate (PPNONPROCE)
Participatory Governance (certificate), Certificate (PPPGOGRCT)
Policy Informatics (Certificate), Certificate (PPPOIGRCT)

Program Evaluation, MS (PPPGEMS)
Program Evaluation (Certificate), Certificate (PPPGEVGRCT)
Public Administration, EMPA (PPPUAEMPA)
Public Administration, MPA (PPPADTMPA)
Public Administration (Certificate), Certificate (PPPUAGRCT)
Public Administration (Emergency Management), MPA (PPPAFEMPA)
Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)
Public Administration (Public Finance), MPA (PPPAFPMPA)
Public Administration (Urban Management), MPA (PPPAFUMPA)
Public Administration (Urbanism), PHD (PPPAURBPHD)
Public Administration and Policy, PHD (PPPUBADPHD)
Public Policy, MPP (PPPUBPMPP)
Public Policy (Certificate), Certificate (PPPUPGRCT)
Public Policy (Environmental Policy), MPP (PPPUPEPMPP)
Public Policy (Policy Informatics), MPP (PPPUPPIMPP)
Public Policy (Science and Technology Policy), MPP (PPPUPSTMPP)
Public Policy (Urban Policy), MPP (PPPUPUPMPP)
Public Safety Leadership \& Administration (Emergency Medical Services-Mobile Integrated Healthcare), MPSLA (PPPSEMMPSL)
Public Safety Leadership and Administration, MPSLA (PPPSLAMPSL)
Public Safety Leadership and Administration (Executive Fire Administration), MPSLA (PPPSEFMPSL)
Public Safety Leadership and Administration (Executive Police Administration), MPSLA (PPPSEPMPSL)
Social Entrepreneurship and Community Development (certificate), Certificate (PPSECDGRCT)
Social Work, MSW (PPSWDMSW)
Social Work, PHD (PPSW2PHD)
Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)
Social Work (Planning, Administration and Community Practice), MSW (PPCPDTMSW)
Social Work - Advanced Standing - Advanced Generalist, MSW (PPASWMSW)
Sustainable Tourism, MAS (PPSUSTMAS)
Sustainable Tourism, MST (PPSUSTMST)
Sustainable Tourism (certificate), Certificate (PPSTGRCT)
Trauma and Bereavement (certificate), Certificate (HSCTBGRCT)
Sustainability, School of
Complex Adaptive Systems Science (certificate), Certificate (SUCASGRCT)
Environmental and Sustainability Economics (Certificate), Certificate (SUESECGRCT)
Global Sustainability Leadership (certificate), Certificate (SUSUSGGRCT)
Global Sustainability Science, MS (SUGSUSSMS)
Sustainability, MA (SUSUSTMA)
Sustainability, MS (SUSUSTMS)
Sustainability, PHD (SUSUSTPHD)
Sustainability (Complex Adaptive Systems Science), PHD (SUSUSTCPHD)
Sustainability Leadership, EMSL (SUEMSLEMSL)
Sustainability Leadership, MSL (SUSUSLMSL)
Sustainability Solutions, MSUS (SUSUSOMSUS)
Sustainable Energy, PHD (SUSUEPHD)
Teachers College, Mary Lou Fulton
Advanced Analytics in Higher Education, Certificate (TEAAHEGRCT)
An Overview of Autism Spectrum Disorders (certificate), Certificate (EDSPEGRCA)
Applied Behavior Analysis (Certificate), Certificate (TEABAGRCT)
Curriculum and Instruction (Teaching and Learning), MEd (EDDCIMED)

Curriculum and Instruction (Accomplished Teaching), MA (EDACCTCMA)
Curriculum and Instruction (Applied Behavior Analysis), MEd (TEABAMED)
Curriculum and Instruction (Autism Spectrum Disorders), MEd (TEASDMED)
Curriculum and Instruction (Early Childhood Education), MEd (TEECDMED)
Curriculum and Instruction (English as a Second Language), MA (EDESLMA)
Curriculum and Instruction (Gifted Education), MEd (TEGEDMED)
Curriculum and Instruction (Literacy Education), MA (EDLANGMA)
Educational Leadership, MEd (EDSUPVMED)
Educational Leadership (Principalship), MEd (TEPRINMED)
Educational Leadership (Supervision), MEd (TESPRVIMED)
Educational Policy, MA (EDSPFMA)
Educational Policy and Evaluation, PHD (EDLDRSHPHD)
Educational Technology, MEd (EDTECHMED)
Educational Technology, PHD (EDTECHPHD)
Elementary Education (Teacher Certification), MEd (TEEEACLMED)
English as a Second Language (Certificate), Certificate (TEESLGRCT)
Gifted Education (Certificate), Certificate (TEGEDGRCT)
Higher and Postsecondary Education, MEd (EDPOSTMED)
Institutional Research and Policy Analysis (certificate), Certificate (EDINSRESCE)
Instructional Design and Performance Improvement (certificate), Certificate (EDEDTGRCT)
Leadership and Innovation, EdD (TELINEDD)
Leadership and Innovation (Policy and Administration), EdD (TEINNPAEDD)
Leadership and Innovation (Teaching), EdD (TEINNTEEDD)
Learning Sciences, MA (EDPSYCHMA)
Learning, Literacies and Technologies, PHD (EDCIPHD)
Online Teaching for Grades K-12 (certificate), Certificate (TEEDTGRCT)
Physical Education, MPE (ECPHYEDMPE)
Secondary Education (Teacher Certification), MEd (TESCERTMED)
Special Education, MA (EDSPEDMA)
Special Education (Applied Behavior Analysis), MA (TESPEABAMA)
Special Education (Teacher Certification), MEd (TESECRTMED)
Technology for Teaching and Learning (certificate), Certificate (EDEDTTGRCT)
Undergraduate Programs
Minors (Program Descriptions and Requirements)
African and African American Studies Minor (LAAFRMIN)
American Indian Studies Minor (LAAISMIN)
American Studies Minor (ASAMSMIN)
Anthropology Minor (LAASBMIN)
Applied Biological Sciences Minor (TSABSMIN)
Applied Computing Minor (ASACOMIN)
Applied Mathematics Minor (LSAPMMIN)
Applied Psychology Minor (ECPSYMIN)
Arabic Studies Minor (LAARBMIN)
Architectural Studies Minor (ARSTDMIN)
Art History Minor (FAARTHMIN)
Asian Languages (Chinese) Minor (LACHIMIN)
Asian Languages (Japanese) Minor (LAJPNMIN)
Asian Pacific American Studies Minor (LAAPAMIN)
Astronomy Minor (LAASTMIN)
Astrophysics Minor (LAASTPHMIN)

Biochemistry Minor (LABCHMIN)
Biological Sciences Minor (LABIOMIN)
Biology Minor (ASLSCMIN)
Business Minor (BABUSMIN)
Chemistry Minor (ASCHMMIN)
Chemistry Minor (LACHMMIN)
Civic and Economic Thought and Leadership Minor (LACELMIN)
Communication Minor (HSCMNMIN)
Communication Minor (LACOMMIN)
Communication Minor (LSCOMMIN)
Community Health Minor (NUCHLTMIN)
Community Sports Management Minor (PPCSMMIN)
Computational Mathematical Sciences Minor (LACMSMIN)
Conflict Resolution Minor (ASCNRMIN)
Construction Management Minor (ESCMGMIN)
Counseling and Applied Psychological Science Minor (LSCAPSMIN)
Criminology and Criminal Justice Minor (PPCRJMIN)
Dance Minor (FADANMIN)
Design Studies Minor (ARDSNMIN)
Digital Audiences Minor (CSDAUMIN)
Digital Culture Minor (HIDGCMIN)
Early Childhood Education Minor (TEECEDMIN)
Economics Minor (LAECNMIN)
Educational Studies Minor (TEEDSTMIN)
Engineering Management Minor (ESENMMIN)
English Minor (ASENGMIN)
English Minor (LAENGMIN)
English Minor (LSENGMIN)
English (Linguistics) Minor (LAENGMINN)
English (Literature) Minor (LAENGMINT)
Environmental and Resource Management Minor (ESERMMIN)
Ethnic Studies Minor (ASETHMIN)
Family and Human Development Minor (LAFASMIN)
Fashion Minor (HIFSHMIN)
Film and Media Production Minor (FAFMPMIN)
Film and Media Studies Minor (LAFMSMIN)
Food and Nutrition Management Minor (ECFNTRMIN)
French Minor (LAFREMIN)
Geography Minor (LAGCUMIN)
Geological Sciences Minor (LAGLGMIN)
German Minor (LAGERMIN)
Global Health Minor (LASSHMIN)
Global Studies Minor (LASGSMIN)
Health Care Compliance and Regulations Minor (NUHCCRMIN)
Health Care Coordination Minor (NUHCCOMIN)
Health Innovation Minor (NUHCIMIN)
History Minor (ASHISMIN)
History Minor (LAHISMIN)
History Minor (LSHISMIN)
History of Science, Ideas and Innovation Minor (LSHSIIMIN)

Human Nutrition Minor (ECNTRMIN)
Human Systems Engineering Minor (ESHSEMIN)
Innovation in Society Minor (FIFISMIN)
Integrative Health Minor (NUIHLTMIN) Integrative Social Science Minor (LSISSMIN)
Interdisciplinary Organizational Studies Minor (ASIOSMIN)
Interior Design History Minor (ARINTMIN)
Italian Minor (LAITAMIN)
Justice Studies Minor (LAJUSMIN)
Kinesiology Minor (NHKINMIN)
Korean Minor (LAKORMIN)
Landscape Studies Minor (ARLNDMIN)
Latin American Studies Minor (ASLASMIN)
Materials Science and Engineering Minor (ESMSEMIN)
Mathematics Minor (ASMATHMIN)
Mathematics Minor (LAMATMIN)
Media Analysis Minor (CSCMOMINA)
Medical Studies Minor (NHMESTMIN)
Military Leadership Minor (LAMISMIN)
Music Minor (FAMUSMIN)
Music Performance Minor (HIMUSPMIN)
Nonprofit Leadership and Management Minor (PPNLMMIN)
Nutrition and Healthy Living Minor (NUNHLMIN)
Organizational Leadership Minor (LSORGLMIN)
Parks and Protected Area Management Minor (PPPRMMINT)
Personal Health Minor (NHPHLMIN)
Philosophy Minor (ASPHIMIN)
Philosophy Minor (LAPHIMIN)
Physics Minor (LAPHYMIN)
Physics Minor (LSPHYMIN)
Political Science Minor (ASPOLMIN)
Political Science Minor (LAPOSMIN)
Psychology Minor (ASPGSMIN)
Psychology Minor (LAPGSMIN)
Psychology Minor (LSPGSMIN)
Public Relations and Strategic Communications Minor (HSPRSMIN)
Public Service and Public Policy Minor (PPPAFMIN)
Real Estate Minor (BAREAMIN)
Recreation Management Minor (PPRECMIN)
Recreation Therapy Minor (PPRECTMIN)
Religious Studies Minor (ASRELMIN)
Religious Studies Minor (LARELMIN)
Romanian Minor (LAROMMIN)
Russian Minor (LARUSMIN)
Science, Technology and Society Minor (ECSTSMIN)
Slavic Studies Minor (LASLVMIN)
Social Welfare Minor (LASSWMIN)
Social and Behavioral Sciences Minor (ASSBSMIN)
Sociocultural Anthropology Minor (ASASBMIN)
Sociology Minor (ASSOCMIN)

Cryptology Certificate (LACRYCERT)
Desert Food Production Certificate (LSDFPRCERT)
Digital Business Innovation Certificate (BADBICERT)
Digital Culture Certificate (HIDGCCERT)
Diversity and Equity Studies Certificate (ASDESCERT)
Domestic Violence and Evidence-based Practice Certificate (PPDVEPCERT)
Economic Justice Certificate (LAECNJCERT)
Energy and Sustainability Certificate (SUESUCERT)
Entertainment and Technology Certificate (LAFMSUERE)
Entrepreneurship and Innovation Certificate (BAKEICERT)
Environmental Education Certificate (TEEVEDCERT)
Environmental Humanities Certificate (LAENHCERT)
Environmental Humanities Certificate (LSENHCERT)
Ethics Certificate (LAETHCERT)
Ethnic Studies Certificate (ASETHCERT)
European Union Studies Certificate (LAEUSCERT)
Family Communication Certificate (ASFAMCCERT)
Film and Video Studies Certificate (ASVIDCERT)
Food Industry Management and Marketing Certificate (BAFIMMCERT)
Food System Sustainability Certificate (SUFSUCERT)
Games and Impact Certificate (TEGIMCERT)
Geographic Information Science Certificate (LAGISCERT)
Hazardous Materials and Waste Management Certificate (TSETMCERT)
Health Care Policy and Delivery Certificate (NHHCPDCERT)
Health Education Specialist Certificate (NHHEDSCERT)
Health Science for the Peace Corps Certificate (NHHSPCCERT)
Health and Wellness Coach Certificate (NHHWCCERT)
History and Philosophy of Science Certificate (LAHPSCERT)
Homeland Security Certificate (PPHSLCERT)
Honors Business Consulting Certificate (BAECNUERT)
Human Rights Certificate (LAHRTSCERT)
Informatics Certificate (ESCPICERT)
Innovation for Impact Certificate (FIIFICERT)
Integrated Behavioral Health Certificate (NHIBHCERT)
Interdisciplinary Health Humanities Certificate (LAIHHUCERT)
International Business Certificate (BAIBSCERT)
International Cinema Certificate (LAICINCERT)
International Studies Certificate (LAINSCERT)
Islamic Studies Certificate (LAISLCERT)
Jewish Studies Certificate (LAJUDCERT)
Korean Studies Certificate (LAKORCERT)
Latin American Studies Certificate (LALASCERT)
Law and Human Behavior Certificate (PPLWHBCERT)
Leadership and Ethics Certificate (PPLDECERT)
Leadership in Business Certificate (BALIBCERT)
Leadership, Ethics and Service Certificate (PPLETSCERT)
Lesbian, Gay, Bisexual and Transgender Certificate (PPLGBTCERT)
Medieval and Renaissance Studies Certificate (LAMRSCERT)
Modern Hebrew Certificate (LAHEBCERT)
Nonprofit Professional Certificate (PPNPYCERT)

Oral History Certificate (ASOHCCERT)
Peace Corps Prep Certificate (LSPCPRCERT)
Personal Fitness Training Certificate (NHPFITCERT)
Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)
Political Economy Certificate (LAPLECERT)
Political Entrepreneurship through Internships: Local to Global Certificate (LAPEICERT)
Political Thought and Leadership Certificate (LAPTLCERT)
Power and Society Certificate (ASPWSOCERT)
Professional Sales Certificate (BAPRSCERT)
Public Administration and Public Management Certificate (PPPAFCERT)
Religion and Conflict Certificate (LARELCERT)
Risk Communication Certificate (ASRCMCERT)
Risk Management Certificate (BARMGTCERT)
Russian and East European Studies Certificate (LAREECERT)
Sales and Marketing Essentials Certificate (BASMECERT)
School Nutrition Certificate (ECNTRCERC)
Secondary Education Certificate (TESEDCERT)
Security Studies Certificate (PPSCSCERT)
Small Business and Entrepreneurship Certificate (BASMBCERT)
Social Science Research Methods Certificate (LASSRMCERT)
Social Transformation Certificate (LASOTCERT)
Socially Engaged Practice in Design and the Arts Certificate (HISEPCERT)
Socio-Legal Studies Certificate (LASLSTCERT)
Southeast Asian Studies Certificate (LASALCERT)
Spanish for the Professions Certificate (LSSPPRFCER)
Special Events Management Certificate (HSRTMUERT)
Speech-Language Pathology Assistant Certificate (LASLPACERT)
Sports Business Certificate (BASPBCERT)
Symbolic, Cognitive and Linguistic Systems Certificate (LAPHICERT)
Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT)
Technical Communication Certificate (LSTECCERT)
Translation Certificate (LASPACERT)
Wildlife Management Certificate (LSWLMCERT)
Women and Gender Studies Certificate (ASWSTCERT)
Women and Gender Studies Certificate (LAWSTCERT)
Working with Military Families Certificate (LAWWMFCERT)
Writing (Liberal Arts and Sciences) Certificate (LAENGCERT)
Writing (New College) Certificate (ASWRTCERT)
Undergraduate Programs
Undergraduate Degrees (Program Descriptions)
Business, W. P. Carey School of
Accountancy, BS (BAACCBS)
Agribusiness (Global Agribusiness), BS (AGAGBGABS)
Business, BA (BABUSBA)
Business (Business Administration), BA (BABUSBABA)
Business (Chinese Language and Culture), BA (BABUSCLBA)
Business (Communication), BA (BABUSCBA)
Business (Corporate Accounting), BA (BABUSCABA)
Business (Food Industry Management), BA (BABUSFIMBA)
Business (Global Agribusiness), BA (BABUSGAGBA)

Business (Global Leadership), BA (BABUSGBA)
Business (Global Logistics Management), BA (BABUSGLBA)
Business (Global Politics), BA (BABUSGPBA)
Business (Health Care), BA (BABUSHCBA)
Business (Human Resources), BA (BABUSHRBA)
Business (Information Security), BA (BABUSISBA)
Business (Law), BA (BABUSLBA)
Business (Public Service and Public Policy), BA (BABUSPBA)
Business (Retail Management), BA (BABUSRBA)
Business (Spanish Language and Culture), BA (BABUSSLBA)
Business (Sports Business), BA (BABUSMSBA)
Business (Statistics), BA (BABUSTABA)
Business (Sustainability), BA (BABUSSBA)
Business (Technology), BA (BABUSTCBA)
Business (Tourism), BA (BABUSTBA)
Business (Urban Policy), BA (BABUSUBA)
Business Data Analytics, BS (BABDABS)
Business Entrepreneurship, BS (BABUENTBS)
Business Exploratory, (BABUSEXP)
Computer Information Systems, BS (BACISBS)
Economics, BS (BAECNBS)
Finance, BS (BAFINBS)
Food Industry Management, BS (BAFIMBS)
Management, BS (BAMGTBS)
Marketing, BS (BAMKTBS)
Marketing (Digital and Integrated Marketing Communications), BS (BAMKDIMCBS)
Marketing (Professional Sales), BS (BAMKTPSBS)
Supply Chain Management, BS (BASCMBS)
Technological Entrepreneurship and Management, BS (TSTEM2BS)
Design \& the Arts, Herberger Institute for
Architectural Studies, BSD (ARSTDBSD)
Art (Art Education), BFA (FAARTEBFA)
Art (Art History), BA (FAARTHBA)
Art (Art Studies), BA (FAARTSTDBA)
Art (Ceramics), BFA (FAARTCBFA)
Art (Digital Photography), BFA (HIARTDPBFA)
Art (Drawing), BFA (FAARTDBFA)
Art (Fibers), BFA (FAARTFBFA)
Art (Intermedia), BFA (FAARTIBFA)
Art (Metals), BFA (FAARTMBFA)
Art (Museum Studies), BA (FAARTMSBA)
Art (Painting), BFA (FAARTPABFA)
Art (Photography), BFA (FAARTPHBFA)
Art (Printmaking), BFA (FAARTPMBFA)
Art (Sculpture), BFA (FAARTSBFA)
Arts (BA in the Arts), BA (FAATSBA)
Dance, BFA (FADANBFA)
Dance (Dance Education), BFA (FADANEBFA)
Design Studies, BA (ARDSNBA)
Design Studies (Design Management), BA (ARDSNMBA)

Digital Culture (Art), BA (HIDGCABA)
Digital Culture (Arts and Design Studies), BA (HIDCADSBA)
Digital Culture (Design), BA (HIDGCDBA)
Digital Culture (English), BA (HIDGCENBA)
Digital Culture (Film), BA (HIDGCFBA)
Digital Culture (Graphic Information Technology), BA (HIDGCTEBA)
Digital Culture (Interdisciplinary Arts and Performance), BA (HIDCIAPBA)
Digital Culture (Media Processing), BA (HIDGCMPBA)
Digital Culture (Music), BA (HIDGCMBA)
Digital Culture (Theatre), BA (HIDGCTBA)
Environmental Design, BS (HIEDSBS)
Fashion, BA (HIFSHBA)
Film (Film and Media Production), BA (FAFLMBA)
Film (Filmmaking Practices), BA (FAFPRBA)
Graphic Design, BSD (ARGRABSD)
Industrial Design, BSD (ARINDBSD)
Interior Design, BSD (ARINTBSD)
Landscape Architecture, BSLA (ARPLABSLA)
Music, BA (FAMUSBA)
Music (Music and Culture), BA (HIMUSMCBA)
Music Education, BMUS (FAMUSEBM)
Music Therapy, BMUS (FAMUSTHBM)
Performance (Collaborative Piano), BMUS (FAMUSPPBM)
Performance (Guitar), BMUS (FAMUSPGBM)
Performance (Jazz), BMUS (FAMUSPJBM)
Performance (Keyboard), BMUS (FAMUSPKBM)
Performance (Music Theatre), BMUS (FAMUSPMBM)
Performance (Orchestral Instrument), BMUS (FAMUSPOBM)
Performance (Voice), BMUS (FAMUSPVBM)
Performance and Movement, BA (HIPERMVBA)
Theatre, BA (FATHEBA)
Theatre (Acting), BA (FATHEABA)
Theatre (Design and Production), BA (FADSNPRBA)
Theory and Composition (Composition), BMUS (FAMUSTCBM)
Theory and Composition (Theory), BMUS (FAMUSTTBM)
Engineering, Ira A. Fulton Schools of
Aeronautical Management Technology (Air Traffic Management), BS (ESAMTATBS)
Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)
Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)
Aeronautical Management Technology (Unmanned Aerial Systems), BS (TSAMTUASBS)
Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)
Aerospace Engineering (Astronautics), BSE (ESAEASBSE)
Aerospace Engineering (Autonomous Vehicle Systems), BSE (ESAEAVSBSE)
Air Traffic Management, BS (TSATMBS)
Applied Computer Science, BS (TSACSBS)
Applied Science, BAS (TSAPSBAS)
Applied Science (Aviation), BAS (TSAMTABAS)
Applied Science (Electronic Energy Systems), BAS (TSEESBAS)
Applied Science (Graphic Information Technology), BAS (TSGITBAS)

Applied Science (Internet and Web Development), BAS (TSIWDBAS)
Applied Science (Manufacturing Technology and Management), BAS (TSMETFBAS)
Applied Science (Operations Management), BAS (TSIMCOBAS)
Biomedical Engineering, BSE (ESBMEBSE)
Chemical Engineering, BSE (ESCHEBSE)
Civil Engineering, BSE (ESCEEBSE)
Civil Engineering (Environmental Engineering), BSE (ESCEEEBSE)
Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)
Computer Science, BS (ESCSEBS)
Computer Science (Cybersecurity), BS (ESCSEIBS)
Computer Science (Software Engineering), BS (ESCSESBS)
Computer Systems Engineering, BSE (ESCSEBSE)
Computer Systems Engineering (Cybersecurity), BSE (ESCSEIBSE)
Construction Engineering, BSE (ESCONBSE)
Construction Management, BS (ESCONMGTBS)
Construction Management (Concrete Industry Management), BS (ESCONIMBS)
Electrical Engineering, BSE (ESEEEBSE)
Electrical Engineering (Electric Power and Energy Systems), BSE (ESEEEPBSE)
Electronics Engineering Technology (Alternative Energy Technologies), BS (TSEETABS)
Electronics Engineering Technology (Electronic Systems), BS (TSEETEBS)
Electronics Engineering Technology (Integrated Electronic Systems), BS (TSEETINBS)
Engineering, BSE (TSEGRBSE)
Engineering (Automotive Systems), BSE (TSEGRASBSE)
Engineering (Electrical Systems), BSE (TSEGRESBSE)
Engineering (Humanitarian Engineering), BSE (TSEGRHEBSE)
Engineering (Mechanical Engineering Systems), BSE (TSEGRMEBSE)
Engineering (Robotics), BSE (TSEGRRBSE)
Engineering Exploration, (TSEGRPRE)
Engineering Management, BSE (ESEMGBSE)
Environmental Engineering, BSE (ESEVEBSE)
Environmental and Resource Management, BS (TSETMBS)
Graphic Information Technology, BS (TSGITBS)
Graphic Information Technology (Gaming), BS (TSGITGBS)
Human Systems Engineering, BS (ESHSEBS)
Human Systems Engineering (User Experience), BS (ESHSEUEBS)
Industrial Engineering, BSE (ESIEEBSE)
Industrial and Organizational Psychology, BS (ECPSYBS)
Informatics, BS (ESCPIBS)
Information Technology, BS (TSIFTBS)
Manufacturing Engineering, BS (TSMEGRBS)
Manufacturing Engineering Technology (Mechanical), BS (TSMETMBS)
Materials Science and Engineering, BSE (ESMSEBSE)
Mechanical Engineering, BSE (ESMAEMBSE)
Mechanical Engineering (Computational Mechanics), BSE (ESMAECBSE)
Mechanical Engineering (Energy and Environment), BSE (ESMAEEBSE)
Mechanical Engineering Technology, BS (TSMECBS)
Mechanical Engineering Technology (Aeronautical Engineering Technology), BS (TSMECEBS)
Mechanical Engineering Technology (Automation Engineering Technology), BS (TSMECUBS)
Mechanical Engineering Technology (Automotive), BS (TSMECTBS)
Product Development and Manufacturing Technology, BS (TSMETBS)

Software Engineering, BS (TSSERBS)
Technological Entrepreneurship and Management, BS (TSTEM2BS)
Future of Innovation in Society, School for the
Innovation in Society, BA (FIFISBA)
Innovation in Society, BS (FIFISBS)
Global Management, Thunderbird School of Global Management, BGM (TBTGMBGM) International Trade, BS (TBINTRABS)
Health Solutions, College of
Applied Science (Food Service Management), BAS (ECNTRBAS)
Applied Science (Health Sciences), BAS (NUHSCBAS)
Applied Science (Medical Laboratory Science), BAS (NUMLSBAS)
Biomedical Informatics, BS (ESBMIBS)
Exercise and Wellness, BS (ECEXERBS)
Exercise and Wellness (Exercise for Obesity Prevention), BS (NHEXWOPBS)
Exercise and Wellness (Fitness and Wellness Specialist), BS (ECEXWBS)
Exercise and Wellness (Health Promotion), BS (ECEXWHBS)
Exercise and Wellness (Strength and Conditioning Specialist), BS (NHEXWSCBS)
Health Education and Health Promotion, BS (NHHEHPBS)
Health Sciences, BS (NHHSCBS)
Health Sciences (Health Policy), BS (NUHSCHPBS)
Health Sciences (Healthy Lifestyles Coaching), BS (NUHSCHLCBS)
Health Sciences (Pre-professional), BS (NUHSCPREBS)
International Public Health, BIPH (NHIPHBIPH)
Kinesiology, BS (NUKINBS)
Medical Studies, BS (NHMEDBS)
Nutrition, BS (NHNTRBS)
Nutrition (Dietetics), BS (ECNTRDBS)
Nutrition (Food and Nutrition Management), BS (ECNTRMBS)
Nutrition (Food and Tourism Management), BS (ECNTFTMBS)
Nutrition (Human Nutrition), BS (ECNTRHBS)
Nutrition (Nutrition Communication), BS (ECNTRCBS)
Public Health, BS (NHPBHBS)
Science of Health Care Delivery, BS (NHHCDBS)
Speech and Hearing Science, BS (LASHSBS)
Honors - Barrett, The Honors College
Honors College, (9HOHONALL)
Integrative Sciences and Arts, College of
Agribusiness (Preveterinary Medicine), BS (AGAGBPBS)
Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)
Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS (TSABSRBS)
Applied Biological Sciences (Natural Resource Ecology), BS (LSABSNRBS)
Applied Biological Sciences (Preveterinary Medicine), BS (LSABSPMBS)
Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS)
Applied Biological Sciences (Sustainable Horticulture), BS (TSABSUBS)
Applied Mathematics, BS (LSMATBS)
Applied Physics, BS (LSAPHYBS)
Applied Quantitative Science, BS (LSAQSBS)
Applied Science (Applied Leadership), BAS (LSALSBAS)
Applied Science (Technical Communication), BAS (LSTECBAS)

Communication, BA (LSCOMBA)
Counseling and Applied Psychological Science, BS (LSCAPSBS)
English, BA (LSENGBA)
Exploratory Health and Life Sciences, (UCHSCIEXPL)
Exploratory Humanities, Fine Arts and Design, (UCHUFAEXPL)
Exploratory Math, Physical Sciences, Engineering and Technology, (UCEMTPEXPL)
Exploratory Social and Behavioral Sciences, (UCSBSEXPL)
General Studies, BA (LSGNSBGS)
History, BA (LSHISBA)
History of Science, Ideas and Innovation, BA (LSHSIIBA)
Integrative Social Science, BS (LSISSBS)
Interdisciplinary Studies, BA (LSBISBIS)
Interdisciplinary Studies (Organizational Studies), BA (LSORGBIS)
Liberal Studies, BA (LABLSBLS)
Organizational Leadership, BA (LSORGLBA)
Political Science, BS (LSPOLBS)
Psychology, BA (LSPGSBA)
Psychology, BS (LSPGSBS)
Science, Technology and Society, BS (ECSTSBS)
Technical Communication, BS (LSTECBS)
Technical Communication (User Experience), BS (LSTECUBS)
Interdisciplinary Arts \& Sciences, New College of
American Studies, BA (ASAMSBA)
Applied Computing, BS (ASACOBS)
Applied Computing (Cybersecurity), BS (ASACOCBS)
Applied Mathematics, BS (ASMATBS)
Applied Science, BAS (ASBASBAS)
Biology, BA (ASLSCBA)
Biology, BS (ASLSCBS)
Biology (Environmental Science), BS (ASLSCEBS)
Biology (Forensics), BS (ASLSCFBS)
Biology (Pharmacology/Toxicology), BS (ASLSCPBS)
Biotechnology and Bioenterprise, BS (ASBITEBS)
Communication, BA (ASCOMMBA)
Communication, BS (ASCOMMBS)
Conflict Resolution, BA (ASCNRBA)
English, BA (ASENGBA)
English (Secondary Education), BA (ASENGSEBA)
Environmental Science, BA (ASENVBA)
Environmental Science, BS (ASENVBS)
Ethnicity, Race and First Nations Studies, BA (ASETHBA)
Exploratory Applied Computing, Mathematics and Technology, (ASACMTEXPL)
Exploratory Health and Life Sciences, (ASHSCIEXPL)
Exploratory Humanities, Fine Arts and Design, (ASHUFAEXPL)
Exploratory Social and Behavioral Sciences, (ASSBSEXPL)
Forensic Science, BS (ASFOREBS)
History, BA (ASHISBA)
History (Secondary Education), BA (ASHISSEBA)
Interdisciplinary Arts and Performance, BA (ASIAPBA)
Interdisciplinary Arts and Sciences, BA (ASIASBA)

Latin American Studies, BA (ASLASBA)
Pharmacology and Toxicology, BS (ASPTXBS)
Philosophy, Religion and Society, BA (ASRELBA)
Political Science, BA (ASPOLBA)
Political Science, BS (ASPOLBS)
Psychology, BA (ASPGSBA)
Psychology, BS (ASPGSBS)
Psychology (Forensic Psychology), BA (ASPGSFPBA)
Psychology (Forensic Psychology), BS (ASPGSFPBS)
Social Justice and Human Rights, BA (ASJHRBA)
Social and Behavioral Sciences, BA (ASSBSBA)
Social and Behavioral Sciences, BS (ASSBSBS)
Social and Cultural Analysis (American Studies), BA (ASSCAASBA)
Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA (ASSCAERBA)
Social and Cultural Analysis (Latin American Studies), BA (ASSCALABA)
Social and Cultural Analysis (Peace Studies), BA (ASSCAPSBA)
Social and Cultural Analysis (Queer and Sexuality Studies), BA (ASSCAQSBA)
Social and Cultural Analysis (Women and Gender Studies), BA (ASSCAWSBA)
Sociology, BA (ASSOCBA)
Sociology, BS (ASSOCBS)
Spanish, BA (ASSPABA)
Statistics, BS (ASSTABS)
Women and Gender Studies, BA (ASWSTBA)
Women and Gender Studies, BS (ASWSTBS)
Journalism \& Mass Communication, Walter Cronkite School of
Digital Audiences, BS (CSDIGABS)
Journalism and Mass Communication, BA (CSJMCBA)
Mass Communication and Media Studies, BA (CSMCMSTBA)
Sports Journalism, BA (CSSPJBA)
Liberal Arts \& Sciences, College of
Actuarial Science, BS (LAACTBS)
African and African American Studies, BA (LAAFRBA)
American Indian Studies, BS (LAAISBS)
Anthropology, BA (LAASBBA)
Anthropology, BS (LAASBBS)
Applied Mathematics for Life and Social Sciences, BS (LAAMLBS)
Asia Studies (East Asia), BA (LAHSTEABA)
Asia Studies (South Asia), BA (LAHSTSABA)
Asia Studies (Southeast Asia), BA (LAHSTSEABA)
Asian Languages (Chinese), BA (LACHIBA)
Asian Languages (Japanese), BA (LAJPNBA)
Asian Pacific American Studies, BA (LAAPABA)
Biochemistry, BA (LABCHBA)
Biochemistry, BS (LABCHBS)
Biochemistry (Medicinal Chemistry), BS (LABCHMBS)
Biological Sciences, BS (LABSCBS)
Biological Sciences (Biology and Society), BS (LABSCSBS)
Biological Sciences (Biomedical Sciences), BS (LABSCMBS)
Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS)
Biological Sciences (Genetics, Cell and Developmental Biology), BS (LABSCGBS)

Microbiology, BS (LAMICBS)
Microbiology (Medical Microbiology), BS (LAMICMBS)
Molecular Biosciences and Biotechnology, BS (LAMBBBS)
Neuroscience, BS (LABMENBS)
Philosophy, BA (LAPHIBA)
Philosophy (Morality, Politics and Law), BA (LAPHIMPBA)
Physics, BA (LAPHYBA)
Physics, BS (LAPHYBS)
Physics (Secondary Education), BS (LAPHYSEBS)
Political Science, BA (LAPOSBA)
Political Science, BS (LAPOSBS)
Politics and the Economy, BS (LAPECBS)
Psychology, BA (LAPGSBA)
Psychology, BS (LAPGSBS)
Psychology (Psychological Science), BS (LAPGSPSBS)
Religious Studies, BA (LARELBA)
Religious Studies (Religion, Culture and Public Life), BA (LARELCPBA)
Religious Studies (Religion, Politics and Global Affairs), BA (LARELPGBA)
Russian, BA (LARUSBA)
Sociology, BS (LASOCBS)
Spanish, BA (LASPABA)
Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)
Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)
Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA (LATCLUBA)
Urban Planning, BSP (ARPUPBSP)
Women and Gender Studies, BA (LAWSTBA)
Nursing and Health Innovation, College of
Applied Science (Health Entrepreneurship and Innovation), BAS (NUHCIBAS)
Community Health, BS (NUCHLTBS)
Health Care Compliance and Regulations, BS (NUHCCRBS)
Health Care Coordination, BS (NUHCCOBS)
Health Innovation, BS (NUHCIBS)
Integrative Health, BS (NUIHLTBS)
Nursing, BSN (NUNURDBSN)
Public Service and Community Solutions, College of
Applied Science (Emergency Management), BAS (PPEMGBAS)
Community Advocacy and Social Policy, BA (PPCASPBA)
Community Sports Management, BS (PPCSMBS)
Criminology and Criminal Justice, BS (PPCRIMJBS)
Nonprofit Leadership and Management, BS (PPNLMBS)
Nonprofit Leadership and Management (American Indian Studies), BS (PPNLMAIBS)
Parks and Recreation Management, BS (PPPRMBS)
Parks and Recreation Management (Therapeutic Recreation), BS (PPPRMTRBS)
Public Service and Public Policy, BS (PPPAFBS)
Public Service and Public Policy (American Indian Studies), BS (PPPAFAISBS)
Public Service and Public Policy (Business), BS (PPPAFBUBS)
Public Service and Public Policy (Criminology), BS (PPPAFCBS)
Public Service and Public Policy (Emergency Management and Homeland Security), BS (PPPAFEHBS)
Public Service and Public Policy (Health Policy), BS (PPPAFHPBS)

Public Service and Public Policy (Law and Policy), BS (PPPAFLPBS)
Public Service and Public Policy (Nonprofit Leadership and Management), BS (PPPANLMBS)
Public Service and Public Policy (Parks and Recreation Management), BS (PPPAPRMBS)
Public Service and Public Policy (Science and Technology Policy), BS (PPPAFSTBS)
Public Service and Public Policy (Social Services Delivery), BS (PPPAFSSBS)
Public Service and Public Policy (Sustainability), BS (PPPAFSBS)
Recreation Therapy, BS (PPRECTBS)
Social Work, BSW (PPSWUSWU)
Tourism Development and Management, BS (PPTDMBS)
Tourism Development and Management (Resort and Hotel Leadership), BS (PPTDMRBS)
Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)
Tourism and Recreation Management, BS (PPTRMBS)
Urban and Metropolitan Studies, BA (PPURBBA)
Urban and Metropolitan Studies, BS (PPURBBS)
Sustainability, School of
Sustainability, BA (SUSUSTBA)
Sustainability, BS (SUSUSTBS)
Teachers College, Mary Lou Fulton
Early Childhood and Early Childhood Special Education, BAE (TEECSEBAE)
Education Exploratory, (TEEDUEXPL)
Educational Studies, BAE (EDSLSTBAE)
Elementary Education, BAE (TEEEDBAE)
Elementary Education (Bilingual Education and English as a Second Language), BAE (TEDLLBAE)
Elementary Education (Science, Technology, Engineering and Mathematics), BAE (TEESTEMBAE)
Secondary Education, BAE (TESEDBAE)
Secondary Education (Biological Sciences), BAE (TEBIOBAE)
Secondary Education (Chemistry), BAE (TECHMBAE)
Secondary Education (Earth and Space Sciences), BAE (EDESSBAE)
Secondary Education (Economics), BAE (EDECNBAE)
Secondary Education (English), BAE (TEENGBAE)
Secondary Education (French), BAE (EDFREBAE)
Secondary Education (Geography), BAE (EDGCUBAE)
Secondary Education (German), BAE (EDGERBAE)
Secondary Education (History), BAE (TEHISBAE)
Secondary Education (Japanese), BAE (EDJPNBAE)
Secondary Education (Mathematics), BAE (TEMATBAE)
Secondary Education (Physical Education), BAE (ECPPEBAE)
Secondary Education (Physics), BAE (EDPHYBAE)
Secondary Education (Political Science), BAE (TEPOLBAE)
Secondary Education (Spanish), BAE (TESPABAE)
Special Education and Elementary Education, BAE (TESPEBAE)

## Graduate Programs

## Graduate Degrees and Certificates (Program Descriptions and Requirements)

Business, W. P. Carey School of

## Accountancy, MAcc (BAACCMACC)

Online Degree Search Title: Accountancy, MACC
Campus: Tempe

## Program Description:

The nine-month MAcc program is delivered by the W. P. Carey School of Accountancy, highly ranked by the Public Accounting Report. The cuttingedge curriculum is structured to provide students with an in-depth working knowledge of advanced accounting topics that are most relevant in today's business environment and reviewed every year with input from accounting professionals and alumni. Esteemed faculty experts bring realworld experience into each class, giving the degree even more long-term value

The Master of Accountancy program is designed for individuals who want to immerse themselves in full-time graduate studies, take classes during the day and fulfill course requirements for the CPA exam in both Arizona and California. Because of the quality of the Master of Accountancy program, students gain the skills and knowledge needed to launch their accounting careers while opening the door to top hiring firms.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
Legal Studies, MLS
W. P. Carey MBA - Full-Time Program

## Degree Requirements:

30 credit hours including the required capstone course (ACC 588)

The master's degree is a cohort-based, full-time program requiring a bachelor's degree in accountancy and is completed in one academic year, either August through May or January through December. Applicants must complete program prerequisites prior to admission to the program. Students should refer to the master's degree program website for a current list of required course prerequisites. Graduate-level accounting courses are only open to students admitted to the graduate program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in accountancy from a regionally accredited institution.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all coursework completed at institutions other than ASU
- GMAT test scores
- one letter of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

## Contact Information:

Business, W. P. Carey School of

WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/accounting-taxation
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Agribusiness, MS (AGAGRIBMS)

Online Degree Search Title: Agribusiness, MS

Campus: Polytechnic

## Program Description:

The Morrison School of Agribusiness at the Polytechnic campus offers the MS in agribusiness. This degree program is designed to prepare students from a variety of backgrounds with a set of critical and analytical business skills, while recognizing the unique demands of the agribusiness and resource management sectors. Graduates are well prepared for successful administrative or managerial careers with either government or private-sector organizations in either field.

Students are able to select either a research-oriented program, which leads to the completion of a supervised thesis, or a program consisting of coursework only (nonthesis option). The nonthesis option allows students to develop an area of specialization and apply these skills to a real-world environmental and resource management problem through an integrative capstone course experience. Both the thesis and nonthesis options require the completion of a common set of core courses.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required capstone course (AGB 589)

Core requirements for this program include 18 credit hours of coursework. Thesis students fulfill the remaining 12 credit hours by taking three research credits, six thesis credits and three hours of electives. Nonthesis students fulfill the remaining hours by taking 12 hours of electives.

It is suggested that students take a coherent sequence of courses such as those indicated below, but considerable flexibility is possible based on individual backgrounds and interests.

Thesis and Nonthesis Master's Degree in Agribusiness

Semester I
AGB 528 Advanced Agribusiness Marketing (3)
AGB 561 Applied Econometrics (3)

Semester II
AGB 511 Advanced Agribusiness Management (3)
AGB 532 Advanced Agribusiness Finance (3)
AGB 570 Managerial Economics for Agribusiness (3)

Semester III
500-level AGB emphasis electives (6)
AGB 589 Agribusiness Capstone (3)

Semester IV
500-level AGB emphasis or other electives (9)

Thesis Option
AGB 592 Research (3)
AGB 599 Thesis (6)

## Admission Requirements:

Students must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

- graduate admission application and application fee
- official transcripts
- official GRE general exam, Miller Analogies Test or GMAT scores
- statement of purpose
- current curriculum vitae
- three letters of recommendation (optional)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Complete information on the English proficiency exams and other required documents can be found on the the Graduate College's website https://students.asu.edu/graduate/international (https://students.asu.edu/graduate/international).

Applicants must submit all the items above to complete an application file. Incomplete files will not be reviewed or considered until complete.

An explanation of the applicant's basic skills in economics, accounting, statistics, computer use and some experience or knowledge in an area related to agribusiness should be addressed in the statement of purpose.

Applicants should see the program website for application deadlines.

The Morrison School of Agribusiness awards assistantships to selected candidates. These support ongoing research and teaching activities. The awards are made on the basis of availability and according to the needs of the faculty and interests of the students. Scholarships are also available on a competitive basis for qualified candidates.

## Contact Information:

Business, W. P. Carey School of
Morrison School of Agribusiness
https://wpcarey.asu.edu/masters-programs
MCRD 350
wpcareymasters@asu.edu
480-965-3332
Business Administration (Accountancy), PHD (BAACCTPHD)
Online Degree Search Title: Accountancy, PhD
Campus: Tempe

## Program Description:

The objective of the PhD program in business administration with a concentration in accountancy is to prepare scholars to conduct high-quality research and to teach in the fields of:

- auditing
- financial accounting
- managerial accounting
- taxation

This program allows students to develop the capability to review, analyze, conduct and publish research through a series of research seminars, theory-building and statistical coursework that supplement and complement students' abilities and desires. In addition, doctoral students participate in ongoing research projects in conjunction with faculty members in the School of Accountancy.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

## Plan of Study

This program consists of 12 credit hours of dissertation and 72 credit hours of coursework and research. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Students work with their study committees to determine an appropriate plan of study. Common areas of functional specialization among doctoral studies include financial and managerial accounting, auditing and taxation. With these functional areas, doctoral studies may emphasize experimental or archival research methods. All accountancy doctoral students are required to take a three-semester sequence of accountancy doctoral coursework. A maximum of 12 approved graduate credit hours can be transferred to satisfy program requirements.

## Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

## Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the Dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

## Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate degree. The dissertation is defended in an ora examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including a summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policy and procedures for a Doctor of Philosophy

Maximum Time Limit
Doctoral students must complete all program requirements with in 10 consecutive years.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT scores
- portfolio
- letters of recommendation
- personal statemen
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

Applications are initially reviewed by a School of Accountancy doctoral committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good match of students' goals and the school. Recommendations for action are then made to the director of doctoral programs in the W. P. Carey School of Business who, in turn, makes recommendations to Graduate Admission Services

## Contact Information:

Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/accounting-degrees
BA 223Q
wpcareyacc@asu.edu
480-965-3631

## Business Administration (Agribusiness), PHD (BAAGRIPHD)

Online Degree Search Title: Agribusiness, PhD
Campus: Polytechnic

## Program Description:

The objective of the PhD program in business administration with a concentration in agribusiness is to produce scholars who are trained in the
latest methods of business and economic analysis and who can apply these methods to address critical research problems in a vital sector of the global economy. The program is a full-time residential program in which graduates are expected to assume research and teaching positions at topranked universities.

Agribusiness doctoral students are involved with research in the following:

- agribusiness management
- derivatives, commodity marketing and risk management
- food and fiber supply chain management
- food marketing
- food policy and promotion
- global agricultural trade and policy
- strategic marketing by food retailers


## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Plan of Study
At least 30 credit hours (which may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a doctorate degree previously awarded at ASU or another institution toward their current ASU doctorate. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Agribusiness doctoral students are expected to develop a program of study that consists of three elements. They will study a core of theory and quantitative methods coursework in economics and management from the Morrison School of Agribusiness. They will also take advanced courses in at least one of these areas in the W. P. Carey School of Business: economics, finance, marketing, supply chain management or management. Their study will also consist of a three-course sequence of doctorate-level theory and methods from the Morrison School of Agribusiness as applied to issues and concepts specific to the agribusiness sector.

The agribusiness doctorate is designed to allow flexibility with focus, so each student's program of study is unique, but is designed to produce the highest level of research competency in the student's chosen area of interest.

## Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examination consists of a minimum of a written exam; at the discretion of the academic unit, an oral exam may also be required.

## Candidacy

Doctoral students are notified of achieving candidacy status in a letter from the Dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

## Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College Policies and Procedures.

Maximum Time Limit
Doctoral students must complete all program requirements with in 10 consecutive years.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE general exam or GMAT scores
personal statement
current curriculum vitae
three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Complete information on the English proficiency exams and other required documents can be found on the Graduate Admission Services website
https://students.asu.edu/graduate/international (https://students.asu.edu/graduate/international).

Applicants must submit all the items listed above to complete an application file. Incomplete files will not be reviewed or considered until complete.

An explanation of the applicant's goals should be addressed in the personal statement

Students should see the program website for application deadlines. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

## Contact Information:

Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/agribusiness-degrees/doctoral
SANTN 230
wpcarey.morrison@asu.edu
480-727-1586

## Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)

Online Degree Search Title: Computer Information Systems, PhD
Campus: Tempe

## Program Description:

The Department of Information Systems offers a computer information systems concentration within the W. P. Carey PhD program in business administration. The objective of the full-time program is to prepare scholars for careers at leading research-focused educational institutions

This program allows students to develop the capability to review, analyze, conduct and publish research through a series of seminars and additional supporting coursework. In addition, doctoral students participate in ongoing research projects in conjunction with faculty members in the department.W. P. Carey faculty and PhD students present their research at leading national and international conferences, and publish their research in academic journals. Research topics include business analytics/big data, health care IT,IT-enabled services and process innovation, information economics and strategy, security and privacy, and social media and e-commerce and mobile platforms. In addition to information systems, our PhD students are often published by leading journals in other disciplines, including accounting, economics, finance, health care management, marketing, managerial decision-making, operations management and strategic management.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

## Plan of Study

The doctoral program consists of a minimum of 84 credit hours of graduate-level coursework beyond the bachelor's degree. A minimum of 42 credit hours of doctoral coursework and 12 credit hours of dissertation credits are required to be taken at Arizona State University's Tempe campus. At the department's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Students work with their program committees to determine an appropriate plan of study. Common areas of specialization for doctoral studies include:

- business analytics and big data
- health care information technology
- information economics and strategy
- IT-enabled services and process innovation
- security and privacy
- social media, e-commerce and mobile platforms

Comprehensive Examinations
Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

## Candidacy

Doctoral students are notified of achieving candidacy status by receipt of a letter from the Dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

## Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctoral degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policies and procedures

Maximum Time Limit
Doctoral students must complete all program requirements within 10 consecutive years.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT score
proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants whose native language is not English must submit scores from the TOEFL. For more information on requirements, students should review the program's website. They should also review the Graduate College website for specific ASU admission requirements.

A master's degree or MBA is recommended ( 30 credit hours may count toward the minimum total of 84 hours of coursework in the doctoral program). At least two years of full-time related work experience is recommended.

Doctoral students admitted to the W. P. Carey School of Business must have demonstrated competency in mathematics, strong quantitative ability, competency in the U.S. of computer technology for analytical purposes, and an undergraduate degree in a related field from an accredited university.

Applications are reviewed by the department's faculty committee using a portfolio approach. The committee will review each individual application and examine all parts equally.

## Contact Information:

Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/information-systems-degrees/doctoral/overview
BA 301P
wpcareyis@asu.edu
480-965-3252

# Business Administration (Finance), PHD (BAFINANPHD) 

Online Degree Search Title: Finance, PhD
Campus: Tempe

## Program Description:

The primary objective of the PhD program in business administration with a concentration in finance is to train students for careers as professors of finance at major research universities. The program provides a challenging course of study in the most recent developments in both the theoretical and empirical aspects of financial economics. This course of study, along with work in economics and statistics, serves as preparation for understanding and critical analysis of current issues in finance.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Plan of Study
At least 30 credit hours (which may include research credit) of the approved doctoral degree program and 12 dissertation hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 relevant credit hours from a previously awarded master's degree toward their doctoral plan of study.

Comprehensive Examinations
Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examination. The comprehensive examination consists of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

## Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

## Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or for one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College policy and procedures for the Doctor of Philosophy.

Maximum Time Limit
Doctoral students must complete all program requirements with in 10 consecutive years.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three academic letters of recommendation
- scores from the GMAT or GRE
- a brief statement of their career objectives
- a resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The minimum TOEFL requirement is a score of 550 (PBT) or 80 (iBT). An iBT score of 26 is required on the ASU Speaking Proficiency English Assessment Kit for applicants who wish to apply for teaching associateships.

Academic Catalog Archive 2018-2019

Admission to the PhD program in business administration with a concentration in finance is granted to applicants who present convincing evidence of high-order analytical skills, intellectual curiosity and the ability to work independently in pursuing scholarly research. Applicants should possess the intellectual curiosity and discipline required for original inquiry.

While many accepted students have an MBA or MS in a business-related field, others have a background in other areas, such as engineering, economics, mathematics or physics.

## Contact Information:

Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/finance-degrees/doctoral
BAC 501
wpcareyfin@asu.edu
480-965-3131

## Business Administration (Management), PHD (BAMGMTPHD)

Online Degree Search Title: Management, PhD
Campus: Tempe

## Program Description:

The Department of Management and Entrepreneurship offers students the opportunity to obtain a PhD degree in business administration with a concentration in management. The doctoral program places primary emphasis on the development of research competence and also emphasizes teaching as a vehicle to academic professionalism. It is not intended for those seeking careers in industry or consulting.

The mission of the program is the development of scholars who are prepared to assume the diverse responsibilities of faculty positions at leading research universities. Although management is a broad field, this doctoral program is best suited for students interested in specializing in organizational behavior, strategic management or organization theory.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

## Plan of Study

At least 30 credit hours (which may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Doctoral students are required to commit full time to the program, at least until they have successfully defended the dissertation proposal. Full-time enrollment entails a minimum of six hours of coursework in any regular academic semester. To reach a total of 84 credit hours for the program, most students enroll for nine to 12 credit hours per semester. In addition, students work closely with faculty members through a research assistantship. The program is relatively small, with an emphasis on high quality; a great deal of individual attention and mentoring is provided to students.

## Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

## Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation proposal.

## Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as MGT 795 Continuing Registration) during the semester (including summer sessions) in which the student defends the dissertation.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT scores
- prior academic performance records
- three letters of recommendation
- a personal statement
- employment summary
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between students' goals and research interests and those of the department. Graduate Admission Services admits or denies each applicant and notifies them in writing.

## Contact Information:

Business, W. P. Carey School of
Business Administration https://wpcarey.asu.edu/management-degrees/doctoral
BA 323
wpcareymgt@asu.edu
480-965-3431

## Business Administration (Marketing), PHD (BAMARKPHD)

Online Degree Search Title: Marketing, PhD

## Campus: Tempe

## Program Description:

The PhD program in business administration with a concentration in marketing is for those students who want to become full-time professors at research-oriented universities. It is not intended for people who want to work in industry positions. It is a full-time program only.

All students complete a core curriculum yet tailor their work to achieve personal goals. The program is designed to be completed in four to five years.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

## Plan of Study

At least 30 credit hours (which may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the doctoral program. A student may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the academic unit's discretion, a student may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Comprehensive Examinations
Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

## Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the
comprehensive examinations and successfully defending the dissertation proposal.

Dissertation Requirements
Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as MKT 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Students should refer to the Graduate College policies and procedures for detailed information regarding the university's doctoral degree requirements.

Maximum Time Limit
Doctoral students must complete all program requirements within 10 consecutive years. Any exception must be approved by the supervisory committee and the dean of the Graduate College.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE scores
- prior academic performance records
- letters of recommendation
- a personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between the student's goals and research interests and those of the department. Recommendations for action are then made to Graduate Admission Services, which admits or denies each applicant and notifies them in writing.

## Contact Information:

Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/marketing-degrees/doctoral
BAC 460
wpcareymkt@asu.edu
480-965-3621

## Business Administration (Supply Chain Management), PHD (BASCMPHD)

Online Degree Search Title: Supply Chain Management, PhD
Campus: Tempe

## Program Description:

The objective of the PhD program in business administration with a concentration in supply chain management is to prepare scholars to conduct high-quality research and teach in the field of supply chain management. Supply chain management incorporates the core areas of logistics, operations management and sourcing or purchasing.

This program is a full-time residential program for students whose career goals are full-time university research and teaching. Students are trained to competently recognize SCM-related problems, frame these problems into research questions and address them in a scholarly manner. Students are required to review, analyze, conduct and publish research through a series of doctoral seminars and supplemental coursework that encourages creativity and critical thinking.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral program requires the completion of coursework, the completion of academic papers for submission to journals, a comprehensive exam and a dissertation. The program is generally viewed as a four-year process. Most students will serve in research assistantships for all four years. During the program, students are expected to actively participate in required courses as well as in seminars and presentations from colleagues, department faculty and visiting scholars. Students will also have the opportunity to teach courses during their doctoral program. Teaching assistantships typically will be made available during the last two years of the program. This will allow doctoral degree students to get research projects and manuscripts into the multiyear pipeline typical of accepted research articles. Through areas of excellence, centers and the faculty, the supply chain management program has special opportunities for industry-based research projects.

## Coursework

The program consists of a minimum of 84 credit hours of approved graduate coursework beyond the bachelor's degree. The department requires doctoral students to take 48 credit hours of graduate coursework in residence at ASU during their first two years. The specific classes must be approved by faculty members in the students' areas of excellence. Students are also required to take 12 hours of research and 12 hours of dissertation credit. A maximum of 12 credit hours can be transferred from previous graduate coursework. Moreover, students' plans of study must be approved in advance by their program chair.

## Academic Papers

Students are expected to work on academic papers for submission to journals during their doctoral program. Summer months are intended for manuscript writing for those students who have yet to successfully defend their dissertation proposals. At the end of each summer, all doctoral students are required to have at least one new manuscript ready for submission to a journal for publication. Faculty in the areas of excellence will supervise manuscript planning and writing. The bulk of the writing is done during the summer by the students. Faculty in the students' areas of excellence will evaluate the papers and provide detailed feedback and instructions for rewriting of papers.

## Comprehensive Examinations

Upon completion of all necessary coursework on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

## Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the dean of the Graduate College upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

## Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including a summer session) in which the student defends the dissertation.

For detailed information regarding the university's doctoral degree requirements, students should refer to the Graduate College's policies and procedures.

Maximum Time Limit
Doctoral students must complete all program requirements within 10 consecutive years.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE scores
- prior academic performance records
- letters of recommendation
- a personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between students' goals and research interests and those of the department. Recommendations for action are then made to Graduate Admission Services, which admits or denies each applicant and notifies them in writing.

## Contact Information:

Business, W. P. Carey School of
Business Administration
https://wpcarey.asu.edu/supply-chain-management-degrees/doctoral
BA 446
wpcarey.scm@asu.edu
480-965-6044

## Business Analytics, MS (BABUSANMS)

Online Degree Search Title: Business Analytics, MS
Campus: Tempe, Online

## Program Description:

Delivered by the highly ranked W. P. Carey Departments of Information Systems and Supply Chain Management, the MS program in business analytics builds on quantitative skills and knowledge needed to advance on the analytics career ladder. The explosion of big data impacts every part of the global economy, making business analytics specialists one of the fastest-growing careers in the economy. Students discover how to derive value from data, lead data-driven analyses and create a business advantage across markets and industries.

Two pathways are available for the master's degree program in business analytics. One pathway is designed for individuals who want to immerse themselves in full-time graduate studies. This program is designed for working professionals seeking to continue working full time while attending school. The other is a nine-month pathway with a lock-step curriculum that consists of quarter-based courses and semester-long courses. The culminating experience delivers real-world experience and develops communication and leadership abilities.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with W. P. Carey MBA - Full-Time Program

## Degree Requirements:

30 credit hours including the required applied project courses (SCM 593 and CIS 593), or 33 credit hours including the required applied project courses (SCM 593 and CIS 593).

Required Core (23.5 or 24 credit hours)
CIS 505 Introduction to Enterprise Analytics (3)
CIS 508 Data Mining I (3)
CIS 509 Data Mining II (3)
CIS 515 Business Analytics Strategy (3)
SCM 516 Introduction to Applied Analytics (3) or WPC 501 Understanding Facts: Statistics for Managers (2.5)
SCM 517 Data-Driven Quality Management (3)
SCM 518 Analytical Decision Modeling I (3) or SCM 515 Decision Models for Supply Chain Management (3)
SCM 519 Analytical Decision Modeling II (3)

Restricted Electives (3 or 3.5 credit hours)

Culminating Experience (3 credit hours)
CIS 593 Applied Project (1.5)
SCM 593 Applied Project (1.5)

Additional Curricular Information
Students enrolled in concurrent programs along with the Master of Science in business analytics may need to take an additional elective worth at least .5 credit hour if their core coursework is 23.5 credit hours.

If WPC 501 is taken in lieu of SCM 516, students will need to take an additional .5 credit hour worth of electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letter or recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-business-analytics?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

Contact Information:
Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/business-analytics
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Economics, PHD (BAECONPHD)

Online Degree Search Title: Economics, PhD

Campus: Tempe

## Program Description:

The PhD program in economics is a full-time program intended to prepare students for teaching and research positions at four-year institutions of higher education and for research positions in public agencies or private business organizations. The doctoral program is relatively small in size, with about 45 doctoral students in residence at any time. The low student-faculty ratio affords greater faculty attention and mentoring compared to larger programs. Students are involved in teaching, research and seminar activities, becoming valued members of the department. Most of the doctoral students are supported through teaching and research assistantships for five years. Stipends are highly competitive.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

In addition to completing 60 credit hours beyond the bachelor's degree ( 30 credit hours beyond the master's degree) and 24 credit hours of research and dissertation, the doctoral student must accomplish five tasks:

- meet the qualifying examination requirement
- present at least one area of emphasis
- pass the comprehensive examination (both written and oral components)
- pass the dissertation proposal defense
- complete a dissertation with an oral defense

Students should see the Department of Economics graduate student handbook for details concerning these tasks.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation.
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The Department of Economics requires applicants to send official scores from the GRE directly to Graduate Admission Services. Applications will not be reviewed until the GRE scores are received.

The admission policy weighs several factors, including letters of reference, overall GPA, GRE scores and performance in selected mathematics and economics courses. There are no absolute standards for any of the factors, but performance on each clearly should suggest academic potential that is far above those of the normal undergraduate student.

Admission guidelines are available on the Graduate Admission Services website. Applicants should see the program website for application deadlines and admission terms.

## Contact Information:

Business, W. P. Carey School of Department of Economics https://wpcarey.asu.edu/economics-degrees/doctoral
CPCOM 412
econ.phd@asu.edu
480-965-3531

## Finance, MS (BAFINMS)

Online Degree Search Title: Finance, MS
Campus: Tempe

## Program Description:

The W. P. Carey MS in finance at Arizona State University prepares students for a range of career opportunities, including corporate finance, risk management, money management, financial planning, investment banking, consulting and real estate.

In only nine months, students in the program develop deep expertise in corporate finance and asset or portfolio management and are equipped with the tools needed to manage complex financial institutions. Faculty members bring cutting-edge research and decades of real-world experience into the classroom. A lock-step course format allows students to build on concepts throughout the program. A curriculum aligned with CFA Program Candidate Body of Knowledge prepares students to sit for the CFA exams and become a Chartered Financial Analyst $®$.

As a top-ranked business school, it all adds up to a degree with real value: The W. P. Carey Master of Science in finance delivers the financial qualifications increasingly sought by employers within the corporate finance industry.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with W. P. Carey MBA - Full-Time Program

## Degree Requirements:

32 credit hours including a capstone course (FIN 575).

Required Core (27.5-29.5 credit hours)
ACC 502 Financial Performance Reporting and Analysis (2.5 or 3)
ECN 501 Statistics for Managers (2.5 or 3)
ECN 502 Decisions, Market Structure and Games: Managerial Economics (2.5 or 3)

FIN 502 Finance: The Art of Managing Resources to Create Value (2.5 or 3)
FIN 525 Investment Strategies (2.5)
FIN 530 Derivatives (2.5)
FIN 545 Advanced Corporate Finance (2.5)
FIN 550 Fixed Income (2.5)
FIN 555 Entrepreneurial Finance (2.5)
FIN 560 International Finance (2.5)
FIN 565 Risk Management in Banks and Financial Institutions (2.5)

Electives (0-2 credit hours)

Culminating Experience ( 2.5 credit hours)
FIN 575 Finance Capstone (2.5)

Additional Curriculum Information
To account for the difference in the numbers of credit hours offered in the core courses, up to two additional credit hours of electives may be required.

The schedule follows the seven-week quarterly schedule of the MBA program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or masters degree from a regionally accredited institution in business and management, economics, statistics, computer science or other types of science, engineering, technology and mathematics degree areas.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 credit hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT test scores
- one letter of recommendation
- short answer questions
- current resume
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are two main audiences for the master's degree program: first, recent undergraduates from business, economics or related majors or from programs where quantitative skills have been emphasized; and second, career advancers who have strong quantitative skills and seek to adapt those skills to be more competitive in the job market. Career advancers must be able to commit to a full-time plan of study; the program may not cater to working professionals as it is currently designed.

This program is appropriate for students from undergraduate programs with quantitative underpinnings at either ASU or other universities.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/finance
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Global Financial Management, DBA (BAGFMDBA)

Online Degree Search Title: Global Financial Management, DBA
Campus: Tempe

## Program Description:

To accelerate China's pace of global integration, the W. P. Carey School of Business at Arizona State University and Shanghai Advanced Institute of Finance have jointly launched a DBA in global financial management in China. The Doctor of Business Administration program is designed to instill high intellectual standards and to create impacts in China and beyond. The program is an applied research professional degree program, targeted towards high quality candidates in China with a strong conviction of thought leadership and scholarship.

This degree is only offered in China.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)
DBA 702 Global Financial Systems: Markets and Institutions (3)
DBA 703 Global Financial Systems-Institutional Investing (3)
DBA 705 Global Corporate Strategy (3)
DBA 708 Challenges of Corporate Finance and Governance (3)

Electives (21 credit hours)

Research (9 credit hours)

Culminating Experience (12 credit hours)
DBA 799 Dissertation (12)

Additional Curriculum Information
Thirty credit hours from a previously awarded master's degree may be applied to this degree.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned from a regionally accredited college or university of recognized standing a degree in Master of Business Administration, Master of Economics, Master of Finance, Master of Accountancy or a related field of specialization in business.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Additional Application Information
English proficiency requirement is not required.

Official bachelor's and master's degree transcripts should be submitted listing all coursework in both the native language and official English translation.

This degree is offered in China only. All applicants are required to contact the program coordinator before submitting the online graduate admission application.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/international-programs/china/english/dba/overview
BA 304C
WPCareydba@asu.edu
480-965-1870
Global Logistics, MS (BAGLSMS)

Online Degree Search Title: Global Logistics, MS
Campus: West

## Program Description:

The W. P. Carey School of Business MS in global logistics is delivered by the highly ranked W. P. Carey Department of Supply Chain Management and provides deep expertise in global logistics and unique insight into both emerging markets and multicultural perspectives in order to solve global operations challenges.

The nine month, full-time curriculum with courses offered during the day, provides specialized knowledge and practical perspectives on global operations, logistics and multicultural perspectives, thus preparing graduates for a growing career field. Students will have access to worldrenowned faculty, motivated classmates and personalized career resources.

## Degree Requirements:

30 credit hours including the required applied project course (SCM 593).

Required Core (27 credit hours)
MGT 400 Cross-Cultural Management (3) or MGT 411 Leading Organizations (3)
SCM 502 Operations and Supply Management (3)
SCM 515 Decision Models for Supply Chain Management (3)
SCM 516 Introduction to Applied Analytics (3)
SCM 520 Strategic Procurement (3)
SCM 532 Supply Chain Cost and Design Issues (3)
SCM 541 Logistics in the Supply Chain (3)
SCM 542 Logistics, Globalization and Economic Development (3)
SCM 545 Cases in Global Logistics (3)

Culminating Experience (3 credit hours)
SCM 593 Applied Project (3)

Additional Curriculum Information
The schedule will follow a combination of ASU scheduling options. Three courses will follow schedule C and will have a semester-long duration.
The other seven courses will follow the 7.5 -week quarterly schedule of the MBA program. Those courses will require some online and extra class time to meet the 40 contact hour standard of The Association to Advance Collegiate Schools of Business.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in business and management, computer information systems, economics and other types of global studies or similar degree areas.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- essays
- GMAT or GRE test scores
- one letter of recommendation
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are two main audiences for the master's degree program: recent undergraduates from logistics-related majors and career advancers with a background in supply chain management and operations whose skills can be expanded to include a broader global context and exposure to emerging markets. Students must be able to commit to a full-time plan of study; the program may not cater to working professionals as it is currently designed.
market.

All applicants must submit either the GMAT or GRE. For more information on GMAT; students should visit http://www.mba.com (http://www.mba.com). For GRE, they should see www.ets.org/gre (http://www.ets.org/gre). Applicants should expect to score above 600 on the GMAT to be competitive.

There is not a required foreign language exam for this program.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/global-logistics
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Information Management, MS (BAINFOMS)

Online Degree Search Title: Information Management, MS
Campus: Tempe, Online

## Program Description:

The W. P. Carey MS in information management delivers a cutting-edge information management curriculum, helping students develop critical leadership skills. The Master of Science in information management is tailored to fit students' schedules. Students may begin the program in January or August.

Through the latest techniques and methodologies, hands-on experience and relevant case studies, students discover how digital innovations, data analytics and information systems are transforming business. The program prepares students to manage in an information technology environment, learning the business skills needed to leverage IT and gain a competitive advantage in a global economy.

The format of the program has been designated by the U.S. Immigration and Customs Enforcement agency within the Department of Homeland Security as a STEM eligible degree program (CIP code 52.1301). The STEM designation allows eligible graduates on student visas access to an Optional Practical Training (OPT) extension (https://students.asu.edu/international/support/opt (https://students.asu.edu/international/support/opt)), up to 36 months as compared to 12 months for non-STEM degrees. The longer work authorization term may help international students gain additional real-world skills and experience in the U.S. Students should see the academic unit for individual advisement.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
Legal Studies, MLS
W. P. Carey MBA - Full-Time Program

## Degree Requirements:

30 credit hours including the required applied project course (CIS 593 or SCM 593 or MKT 580 or FIN 591), or MSIM/MBA Dual Degree: 30 credit hours and an applied project.

The program requires 30 credit hours of coursework and an applied project.

With an innovative curriculum that deepens the synthesis of information, technology and business, the W. P. Carey School of Business master's degree in information management combines the best of both worlds --- a leading-edge information management education and one of the nation's top-ranked business schools. Students should access the program website for a list of courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- short-answer questions
- two letters of recommendation
- GMAT test scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants are expected to have two years of full-time related work experience and prerequisite college-level courses or equivalent experience in statistics, brief calculus and a programming language.

Complete application instructions may be obtained from the department's website.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-science-information-management?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/information-technology
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Management, MS (BACMRMS)

Online Degree Search Title: Management, MS
Campus: Tempe

## Program Description:

Arizona State University's W. P. Carey School of Business MS in management is an innovative business degree program providing new liberal arts, science, engineering and other nonbusiness graduates with the intellectual and professional skills needed to succeed in today's business environment. This one-year program is designed to develop critical-thinking skills as applied to fundamental business procedures and processes, and leadership skills. It is also designed to bridge the gap between academic preparation and real-world business applications.

Classes begin each fall semester in August

Designed for graduates of nonbusiness programs with fewer than two years of work experience, students will have the capability and motivation to rapidly progress in any profession where business plays an important role. The management program differs substantially from a traditional MBA program in that no work experience is required for admission and the coursework is completed in one year, giving a broad overview of the essentials of managerial decision-making.

Three distinct components of the Master of Science program in management prepare students to immediately add value and lead in all types of business environments:

- core business courses that deliver necessary business skills through integrative cases, project-based learning and teamwork
- leadership courses that develop understanding of strategic vision, instituting change, information systems, and the role and importance of sustainability
- a culminating experience that bridges the gap between academic learning and real-world business application


## Concurrent Degrees:

This degree is also offered as concurrent degree program with Legal Studies, MLS

## Degree Requirements:

36 credit hours including the required applied project course (MGT 593).

Required Core ( 28.5 credit hours)
ACC 501 Basics of Financial Performance Reporting and Analysis (1.5)
ACC 504 Basics of Internal Measures of Success: Managerial Accounting (1.5)
ECN 504 Basics of Decisions, Market Structure and Games: Managerial Economics (3)
FIN 501 Basics of Finance: The Art of Managing Resources to Create Value (3)

LES 586 Basics of Ethical Issues for Managers (1.5)
MGT 501 Basics of Leading People, Teams and Organizations: Org Theory (3)
MGT 528 Basics of Mastering the Art of Influence and Negotiations (3)
MGT 586 Basics of Sources of Competitive Advantage I (1.5)
MKT 501 Basics of Create and Deliver Customer Value: Marketing Management (3)
SCM 501 Basics of Operations and Supply Management (3
SCM 587 Project Management (1.5)
WPC 504 Basics of Understanding Facts: Statistics for Managers (3)

Other Requirements (3 credit hours)
MGT 591 Business Communications (1.5)
MGT 594 Career Leadership (1.5)

Culminating Experience (4.5 credit hours)
MGT 593 Applied Project Consulting Project Capstone (3) AND
MGT 593 Applied Project Consulting Project Lab (1.5)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE or GMAT test scores
- one letter of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/management
MCRD 350
wpcareymasters@asu.edu
480-965-3332
Management, MS (BAMCCMS)
Online Degree Search Title: Management in China/Corporate, MS
Campus: Tempe

## Program Description:

The W. P. Carey School of Business at Arizona State University is directly involved in the development of top leadership in China. The MS custom corporate program in China is designed for participants of a single company in China. Upon successful completion of the program curriculum, a participant will be granted an ASU Master of Science degree in management through the W. P. Carey School of Business.

The curriculum is designed to leverage participants' existing strengths in a chosen management concentration and it provides intensive knowledge on managerial decision-making and strategic formulation. Accordingly, the curriculum is designed with a strong transdisciplinary focus while
achieving cycle time efficiency. At the core of the curriculum delivery is emphasis on practical applications with direct business connectivity. A noteworthy feature of the curriculum is its integration of global practices and local market characterizations to enable participants' ability to excel in the modern economy

The hallmarks of prestigious programs include two key elements: the faculty and the students. No other master of science program in China offers a more impressive list of faculty or students than the W. P. Carey China program. The faculty includes renowned faculty from W. P. Carey School of Business as well as from other prestigious American business schools.

## Degree Requirements:

36 credit hours including the required capstone course (MGT 588)

The curriculum consists of 12 courses, concentrating on management. It is a world-class master's degree program with immersion in financial accounting, managerial finance, statistics and economics, marketing management, organizational theory and behavior, human resources management, supply chain management and information technology management.

All students must successfully complete the comprehensive requirement for Master of Science graduates established by the W. P. Carey School of Business and the Graduate College. As a lock-step program, there will be no opportunities for participants to make up missed courses or to substitute courses. Therefore, students must complete all 12 courses before graduation with a grade of " B " or higher ( 3.00 on a scale of 4.00 ) for each course to satisfy the comprehensive requirement. A thesis is not required.

## Admission Requirements:

The Master of Science custom corporate program in China requires that students be nominated into the program by the company, and it is only delivered in China. Applicants are required to contact the program coordinator before submitting the online graduate admission application.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/international-programs/china/english
MCRD 375DD
WPCareyMiMChina@asu.edu
480-965-4203

## Real Estate Development, MREDev (ARREMREDEV)

Online Degree Search Title: Real Estate Development, MRED
Campus: Tempe

## Program Description

Arizona State University's MRED is one of the leading programs offered through the nationally ranked and recognized W. P. Carey School of Business, in partnership with the Sandra Day O'Connor College of Law, the Herberger Institute for Design and the Arts and the Del E. Webb School of Construction. The program offers a truly transdisciplinary approach to real estate development education through a full-immersion curriculum that explores the development process in its entirety.

In only nine months, the W. P. Carey Master of Real Estate Development program prepares students to lead real development projects that are environmentally respectful, socially responsible and artfully designed. Small class sizes provide opportunities for peer interaction, and a number of synthesis projects cover the entire spectrum of development, preparing students for roles throughout the industry. Students explore the development process in its entirety and strengthen their management toolkit.

During the one-year program, students learn how to locate, analyze and consider the physical, legal, economic, political and financial conditions impacting the use of property and the critical analysis required for a successful project. Graduates of the program are prepared to undertake midand senior-level management responsibility for small to large development and investment companies.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with Legal Studies, MLS

## Degree Requirements:

36 credit hours including the required capstone course (RED 515).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The program is offered in an intense format covering two academic semesters. Students take required core course modules in a variety of formats, including:

- comprehensive module exams to assess aggregate knowledge
- face-to-face classroom instruction
- group work
- independent research
- synthesis projects
- topical quizzes
- weekly assignments

The business school does not accept graduate credits earned while students are in nondegree status or from courses taken prior to admission to the program or taken while enrolled in another program outside the W. P. Carey School of Business.

There is not a foreign language requirement.

There are no thesis requirements.

All students must successfully complete the final synthesis project requirement established by the W. P. Carey School of Business and the Graduate College for the Master of Real Estate Development. The comprehensive culminating experience is integrated with RED 515 Capstone Project: Mixed Use Property Development. Students passing this course with a grade of "B" (scale is $4.00=$ " A ") or higher satisfy the culminating experience requirement.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all coursework completed at institutions other than ASU
- GMAT or GRE test scores
- one letter of recommendation
- current resume
- short answer questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

MCAT or LSAT scores can be accepted in lieu of GMAT or GRE.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Complete application instructions may be obtained from the department's website.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/real-estate-development
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## Supply Chain Management (certificate), Certificate (BASCMCERT)

Online Degree Search Title: Supply Chain Management (Graduate Certificate)
Campus: Online

## Program Description:

The certificate program is composed of supply chain management courses, each five weeks in length. The content of the courses is tightly integrated and offers a comprehensive coverage of core topics in supply chain management.

The intended audiences for the certificate include working professionals who are graduates of general management undergraduate or graduate business programs who wish to supplement their degrees with focused, graduate-level courses in supply chain management, and they are either relatively new to supply chain management and desire a foundational knowledge of supply chain management complexities as well as a strong understanding of how companies leverage their supply chains to achieve competitive advantage, or they are experienced supply chain management professionals who wish to update their knowledge of current thinking and best practices through interaction with faculty engaged in broad-based research and consulting.

## Degree Requirements:

15 credit hours including the required capstone course (SCM 532).

Required Core (12 credit hours)
SCM 502 Operations and Supply Management (3)
SCM 520 Strategic Procurement (3)
SCM 521 Supply Management and Negotiation (3)
SCM 541 Logistics in the Supply Chain (3)

Culminating Experience (3 credit hours)
SCM 532 Supply Chain Cost and Design Issues (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- evidence of a minimum of two years of full-time work experience
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/executive-education
MCRD 460
wpcarey.execed@asu.edu
480-965-7579

## Supply Chain Management and Engineering, MS (BASCMEMS)

Online Degree Search Title: Supply Chain Management and Engineering, MS
Campus: Online

## Program Description:

The MS in supply chain management and engineering is a two-year, 30 credit hour program for working professionals in supply chain management, industrial engineering or a related field that consists of 15 credit hours of courses from the Department of Supply Chain Management in the W. P. Carey School of Business and 15 credit hours from the industrial engineering program in the School of Computing, Informatics and Decision Systems Engineering in the Ira A. Fulton Schools of Engineering.
students with knowledge of the fundamental foundations across the full spectrum of supply chain management functions and to provide them with the ability to use state-of-the-art engineering tools to analyze, control and optimize modern supply chains.

## Degree Requirements:

30 credit hours including the required applied project course (SCM 593).

Required Core (27 credit hours)

Culminating Experience (3 credit hours)
SCM 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- GMAT or GRE test scores
- personal statement
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The W. P. Carey School of Business and the Ira A. Fulton Schools of Engineering seek exceptional individuals who are working supply chain professionals (or in closely related fields). Applicants must be highly motivated and have strong intellectual capabilities. The admission committee looks for outstanding academic credentials, character qualities such as maturity, integrity and leadership, and diversity in perspectives and experiences.

## Contact Information:

Business, W. P. Carey School of WPC Graduate Programs https://wpcarey.asu.edu/masters-programs MCRD 350
wpcareymasters@asu.edu
480-965-3332
Taxation, MTax (BATAMTAX)
Online Degree Search Title: Taxation, MTax
Campus: Tempe

## Program Description:

The nine-month MTax program is delivered by the W. P. Carey School of Accountancy, highly ranked by the Public Accounting Report. The cuttingedge curriculum is structured to provide students with an in-depth working knowledge of the highly technical and demanding skills required to provide tax and business advice in the private and public sectors. Esteemed faculty experts bring real-world experience into each class, giving the degree even more long-term value.

The Master of Taxation program is designed for individuals who want to immerse themselves in full-time graduate studies, take classes during the day and fulfill course requirements for the CPA exam in Arizona and in California. Because of the quality of the Master of Taxation program, students gain the skills and knowledge needed to launch their careers, while opening the door to top hiring firms.

This degree is also offered as concurrent degree program with:
Legal Studies, MLS
W. P. Carey MBA - Full-Time Program

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Accountancy, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required capstone course (ACC 589)

The Master of Taxation program is a nine-month, full-time, lock-step program that offers classes during the day and is completed in one academic year (August to May). Applicants must complete program prerequisites prior to admission to the program. Students should refer to the W. P. Carey graduate programs website for a current listing of required course prerequisites. Graduate-level accounting courses are only open to students admitted to the graduate program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT test scores
- one letter of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letter of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

In addition to the ASU graduate admission application, applicants must also submit all supplemental application materials required by the W. P. Carey Graduate Programs Office. Complete application instructions may be obtained from the department's website.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/masters-programs/accounting-taxation
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## W. P. Carey MBA, MBA (BACORPMBA)

Online Degree Search Title: W. P. Carey MBA - Custom Corporate Program
Campus: Tempe

## Program Description:

The custom corporate MBA program is designed for participants from a single company. Participants are nominated to attend the program by their company and receive a solid core curriculum with optional specializations. The custom corporate MBA program offers flexible part-time delivery modes using online, in-person and blended courses. Possible features that can be incorporated into the custom programs are company-specific
applied projects, guest teaching from corporate leaders and intensive residential sessions.

## Degree Requirements:

48 credit hours including the required capstone course (MGT 589).

The custom corporate MBA program requires that students be nominated into the program by the sponsoring company.

## Admission Requirements:

Applicants must submit the graduate admission application, meet the Graduate College admission requirements, and meet the guidelines established by the custom corporate MBA program

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/custom-corporate
MCRD 460
wpcarey.execed@asu.edu
480-965-7579

## W. P. Carey MBA, MBA (BAEVEAMBA)

Online Degree Search Title: W. P. Carey MBA - Weekend Program
Campus: Tempe

## Program Description

The purpose of the W. P. Carey MBA program is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. The curriculum is delivered in a casebased, team-oriented and discussion learning environment. Elective courses provide additional depth and breadth to enhance an area of emphasis, students' knowledge base and career goals. The weekend MBA program is designed for working professionals seeking to continue working full-time while attending school. The program starts each January and is completed in 19 months.

The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business.

## Degree Requirements:

36 credit hours including the required capstone course (MGT 589).

Required Core (1.5 credit hours)
LES 582 Ethical Issues for Managers (1.5)

Electives and research (31.5 credit hours)

Culminating experience (3 credit hours)
Capstone: MGT 589 Strategic Management (3)

Additional Curriculum Information
While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the MBA program or taken while enrolled in another MBA program outside the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge and skills. Elective courses build upon the business core and center on the further development of an optional area of emphasis. There may be additional requirements that vary by area of emphasis.

All students must successfully complete the comprehensive exam requirement established by the school of business and the Graduate College for the MBA. The comprehensive exam is integrated with the MGT 589 Strategic Management capstone course culminating experience. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
essays
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Applicants should see the department's website for more information.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## W. P. Carey MBA, MBA (BAEVENMBA)

Online Degree Search Title: W. P. Carey MBA - Professional Flex Program
Campus: Tempe

## Program Description:

The purpose of the W. P. Carey School of Business MBA program is to provide a solid foundation and knowledge base in the core business disciplines and to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. Through a comprehensive business curriculum taught by world-renowned faculty, the W. P. Carey professional flex Master of Business Administration expands students' leadership skills and helps them immediately impact their organizations.

Classes held two evenings a week and iCourses or on-campus electives make the W. P. Carey professional flex Master of Business Administration flexible for students' busy lives. With a variety of electives and concurrent degree programs through partnership with other highly ranked ASU schools, students receive the competitive edge needed to reach their career goals. The curriculum is delivered in a case-based, team-oriented and discussion learning environment. Elective courses provide additional depth and breadth, to enhance an area of emphasis, students' knowledge base and career goals.

The professional flex Master of Business Administration is designed for working professionals seeking to continue working full time while attending school. The program starts in August and is completed in 21 months.

The Master of Business Administration program is supported by each of the eight academic units within the W. P. Carey School of Business.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with Legal Studies, MLS

## Degree Requirements:

48 credit hours including the required capstone course (MGT 589).

Electives (43.5 credit hours)

Culminating Experience ( 3 credit hours)
Capstone: MGT 589 Sources of Competitive Advantage II (3)

Additional Curriculum Information
While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective courses build upon the business core and center on the further development of an area of emphasis. There may be additional requirements that vary by area of emphasis. The program is completed in 21 months.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Sources of Competitive Advantage II. Students passing this course with a grade of "B" (scale is $4.00=$ " A ") or higher satisfy the comprehensive examination requirement.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
short-answer questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

Applicants should see the department's website for more information.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/part-time
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## W. P. Carey MBA, MBA (BAEXECMBA)

Online Degree Search Title: W. P. Carey MBA - Executive Program
Campus: Tempe

## Program Description:

The purpose of the W. P. Carey School of Business MBA program is to provide a solid foundation and knowledge base in the core business
disciplines and to develop analytic capabilities and decision-making and leadership skill sets to effectively integrate decisions into the business environment. Through a comprehensive business curriculum taught by world-renowned faculty, the W. P. Carey executive Master of Business Administration expands students' leadership skills and help them immediately impact their organizations. Classes meet twice monthly on Fridays and Saturdays at ASU's Tempe campus, convenient for travel from within Arizona and surrounding states.

Over the course of the two-year program, students develop a strategic perspective, learn how policy shapes business decisions and how companies half a world away can impact organizations. A summer experience in Washington, D.C. and an international practicum help students see the world of business in a new way.

The executive Master of Business Administration is completed in 21 months and is supported by each of the eight academic units within the W. P. Carey School of Business.

## Degree Requirements:

48 credit hours including the required capstone course (MGT 589).

Required Core ( 1.5 credit hours)
LES 582 Ethical Issues for Managers (1.5)

Electives and Research ( 43.5 credit hours)

Culminating Experience (3 credit hours)
Capstone: MGT 589 Strategic Management (3)

Additional Curricular Information
While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside of the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The executive curriculum must be taken in the prescribed sequence and is augmented by a series of lectures on thought leadership and off-site learning programs, including a business and public policy course in Washington, D.C. An additional off-site course exploring issues and strategies in the global business environment is held in partnership with an international business school. The program is completed in 21 months.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of " B " (scale is $4.00=$ " A ") or higher satisfy the comprehensive examination requirement.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit

- graduate admission application and application fee
- official transcripts
- current resume
- two letters of recommendation
- short-answer questions
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, will be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/executive
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## W. P. Carey MBA, MBA (BAFULLMBA)

Online Degree Search Title: W. P. Carey MBA - Full-Time Program
Campus: Tempe

## Program Description:

Powered by the Forward Focus curriculum, the W. P. Carey full-time MBA program prepares students to be adaptable in the face of uncertainty and ambiguity in a rapidly changing global economy. Highly ranked by U.S. News \& World Report, the W. P. Carey full-time Master of Business Administration prepares students for immediate success through a cutting-edge curriculum, dedicated career services and a supportive community. The new curriculum of the full-time program rises to meet the rapid changes and new realities in business.

By rethinking the way the world does business, the W. P. Carey School of Business is rethinking the way it is taught. Success in the future can't rely solely on where we've been --- the road ahead needs a forward focus. The full-time Master of Business Administration is designed for individuals who want to immerse themselves in full-time graduate studies and take classes during the day. Small class size in the program supports individual learning, promotes student-faculty interaction and encourages personal and professional development.

The Master of Business Administration curriculum is rooted in transformation, of both the students and of business as we know it. As the world continues to evolve faster and unpredictably, students need a Master of Business Administration program that can prepare them to lead through uncertainty.

The Master of Business Administration program is supported by each of the eight academic units within the W. P. Carey School of Business.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
Accountancy, MACC
Architecture, MArch
Business Analytics, MS
Finance, MS
Information Management, MS
Juris Doctor, JD
Legal Studies, MLS
Taxation, MTax

## Degree Requirements:

60 credit hours including the required capstone course (MGT 589).

Required Core (1.5 credit hours)
LES 582 Ethical Issues for Managers (1.5)

Electives (55.5 credit hours)

Culminating Experience (3 credit hours)
Capstone: MGT 589 Sources of Competitive Advantage I (3)

Additional Curricular Information
While there are no business course prerequisites, potential students must demonstrate strong quantitative ability as well as effective written and oral communication skills.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside of the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a
graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge. Elective or specialization courses build upon the business core and center on the further development of a specialization. There may be additional requirements that vary by specialization. The program is typically completed in two years, with a required internship in the summer between the first and second year of study.

All students must successfully complete the comprehensive requirement established for the Master of Business Administration by the W. P. Carey School of Business and the Graduate College. The comprehensive culminating experience is integrated with capstone course MGT 589 Sources of Competitive Advantage II. Students passing this course with a grade of "B" (scale is 4.00 = "A") or higher satisfy the comprehensive examination requirement.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts

GMAT or GRE test scores

- two letters of recommendation
- current resume
- short-answer questions
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.

A personal interview, arranged by invitation only, will be completed before an offer of admission may be made.

Applicants should see the department's website for more information.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/full-time
MCRD 350
wpcareymasters@asu.edu
480-965-3332

## W. P. Carey MBA, MBA (BAONLINMBA)

Online Degree Search Title: W. P. Carey MBA - Online Program
Campus: Online

## Program Description:

The purpose of the W. P. Carey School of Business MBA program is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. Highly ranked by U.S. News \& World Report (https://wpcarey.asu.edu/about-w-p-carey/rankings (https://wpcarey.asu.edu/about-w-p-carey/rankings)) and accredited by the Association to Advance Collegiate Schools of Business (https://wpcarey.asu.edu/about/accreditation (https://wpcarey.asu.edu/about/accreditation)), the online Master of Business Administration program delivers the same course content taught by faculty members from the full-time and evening Master of Business Administration programs, and students earn the same highly ranked degree.

The curriculum is delivered in a case-based, team-oriented learning environment. Elective courses provide additional depth and breadth to enhance students' knowledge base and career goals. The online Master of Business Administration is designed for working professionals seeking to continue working full-time while attending school. The program starts in January and August and is completed in 21 months. With one course at a time and flexible elective and concurrent degree options, the W. P. Carey online Master of Business Administration allows students to focus on their
studies while managing careers and lives.

The Master of Business Administration program is supported by each of the eight academic units within the W. P. Carey School of Business.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
Electrical Engineering, MSE
Industrial Engineering, MS

## Degree Requirements:

48 credit hours including the required capstone course (MGT 589).

Required Core (1.5 credit hours)
LES 582 Ethical Issues for Managers (1.5)

Electives (43.5 credit hours)

Culminating Experience (3 credit hours)
Capstone: MGT 589 Sources of Competitive Advantage II (3)

Additional Curriculum Information
All students must successfully complete the comprehensive requirement for the MBA established by the school of business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Sources of Competitive Advantage II. Students passing this course with a grade of " B " (scale is $4.00=$ " A ") or higher satisfy the comprehensive examination requirement.

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills. To be successful in an online learning environment, students must also have computer proficiency and expertise in using spreadsheet, word processing and presentation software packages, email and an Internet browser.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the Master of Business Administration program or taken while enrolled in another Master of Business Administration program outside of the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

The core course is designed to provide a foundation in business knowledge and skills. Elective courses build upon the business core and center on the further development of an area of emphasis. The program is typically completed in less than two years.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the W. P. Carey School of Business.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- two letters of recommendation
- current resume
- short-answer questions
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation should comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program

Applicants should see the department's website for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-business-administration?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/mba-programs/online
MCRD 350
wpcareymasters@asu.edu
480-965-3332
W. P. Carey MBA, MBA (BASHANGMBA)

Online Degree Search Title: W. P. Carey MBA - Shanghai Program
Campus: Tempe

## Program Description:

The W. P. Carey School of Business at Arizona State University is directly involved in the development of top leadership in China. In 2003, the executive MBA program launched in Shanghai, China. The program is delivered in collaboration with Shanghai National Accounting Institute, an entity under the governance of China's Ministry of Finance.

The business leaders emerging from this program will shape U.S.-Sino trade relationships during China's continued global expansion. This academic program is the cornerstone of a number of new offerings that include knowledge transfer and access to the highest level of decisionmakers in China.

This degree is only offered in China.

## Degree Requirements:

48 credit hours including the required capstone course (MGT 589).

The curriculum is based on the integration of core management principles, with an immersion in accounting, finance, information management, supply chain management, service marketing, customer relation management and management of services innovation. At the core of the curriculum delivery is emphasis on the practical applications with direct business connectivity. The school prides itself on the curriculum's integration of global practices and local market characterizations, to enable participants' ability to excel in the modern economy.

In addition, the curriculum is designed with a strong transdisciplinary focus while achieving cycle-time efficiency. Each course will be delivered in an intensive manner over two consecutive weekends, with four full days of face-to-face instruction supplemented by online instruction materials to enable learning interactions between faculty and participants.

All students must successfully complete the comprehensive requirement for the MBA established by the school of business and the Graduate College. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of " B " ( 3.00 on a scale of 4.00 ) or higher satisfy the comprehensive examination requirement. A thesis is not required.

## Admission Requirements:

This degree is only offered in China. All applicants are required to contact the program coordinator before submitting the online graduate admission application.

## Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
https://wpcarey.asu.edu/international-programs/china/english/emba/overview
BA 323D
chinaemba@asu.edu
480-965-1422

Design \& the Arts, Herberger Institute for

Online Degree Search Title: Architecture, MArch
Campus: Tempe

## Program Description:

The MArch is an accredited professional degree program at ASU. There are two programs of study available. The two-year program is for applicants who have completed the four-year BSD in architectural studies at ASU or an equivalent degree from another school that offers an accredited professional degree in architecture. The three-plus-year program for applicants with an undergraduate degree in a discipline or field other than architecture

Both programs promote broad areas of knowledge, professional skill and a social awareness that the architect must command if architecture is to enhance contemporary life and remain an enduring and valid expression of society.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with W. P. Carey MBA - Full-Time Program

## Degree Requirements:

56 credit hours including the required capstone course (ADE 622), or 78 credit hours including the required capstone course (ADE 622 ).

Required Core (30 credit hours)
ADE 521 Advanced Architectural Studio I (5)
ADE 522 Advanced Architectural Studio II (5)
ADE 621 Advanced Architectural Studio III (5)
APH 505 Foundation Theory Seminar (3)
APH 515 Current Issues and Topics (3)
ATE 553 Architectural Technology IV (3)
ATE 556 Architectural Technology V (3)
ATE 563 Architectural Technology VI (3)

Electives (9 credit hours)

Other Requirements (12 credit hours)
ARP 584 Internship (1)
ARP 584 Internship (2)
ATE 598 Topic: Green Building Practices (3)
DSC 598 Topic: Principles of Collaboration in Design (3)
DSC 598 Topic: Practice Management (3)

Culminating Experience ( 5 credit hours)
ADE 593 Applied Project (5) or
ADE 622 Advanced Architectural Studio IV (5)
Additional Curriculum Information
For electives, students should see the academic unit for an approved design professional elective list.

For the other requirement coursework, other courses not listed may be used with approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of three references submitted via SlideRoom (https://asudesign.slideroom.com
(https://asudesign.slideroom.com))
- proof of English proficiency
for admission to the program is 80 (Internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information can be found at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

The portfolio, letter of intent and references are required by the Design School in addition to the Graduate College application requirements.

Applicants are encouraged to report GRE scores, especially if the applicant's background is broad or other than a traditional design major, but it is not required.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. If a student is assigned any deficiency coursework by the academic unit upon admission, those courses must be completed with a grade of "B" ( 3.00 on a 4.00 scale) or higher before completing the graduate program's required coursework. For a Master of Architecture student assigned deficiencies, there are two pathways: the three-year plus pathway with up to 42 credit hours which begins in the summer, and the the twoyear plus pathway with up to 15 credit hours which begins in the spring. Deficiency courses may include:

ADE 510 Foundation Architectural Studio
ADE 511 Core Architectural Studio I
ADE 512 Core Architectural Studio II
ALA 235 Introduction to Computer Modeling
APH 313 History of Architecture I
APH 314 History of Architecture II
APH 509 Foundation Seminar
ATE 361 Architectural Technology I
ATE 362 Architectural Technology II
ATE 452 Architectural Technology III

Admission requirements to the two-year pathway: applicants must have completed a four-year Bachelor of Science degree with a major in architectural studies or a similar preprofessional degree in architecture. The undergraduate degree must be granted by an institution that is recognized by ASU and offers a National Architectural Accreditation Board accredited degree program in architecture.

Admission requirements to the three-year plus pathway: applicants must have earned a minimum of a bachelor's degree (or equivalent) in a field other than architectural studies.

## Contact Information:

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Art, MFA (HIARTMFA)

Online Degree Search Title: Art, MFA
Campus: Tempe

## Program Description:

The Herberger Institute MFA program in art, offered by the School of Art, provides a stimulating and challenging program for artistic and intellectual growth. Faculty in the School of Art are distinguished artists and scholars who encourage innovation, critical practice and independence. This program provides students with unparalleled opportunities to develop conceptual approaches and technical expertise in a range of media including ceramics, drawing, fiber arts, intermedia, metal arts, painting, photography, printmaking and book arts, sculpture, and wood arts. Prospective students select an area of focus for their practice but may also develop interdisciplinary expertise in and beyond the School of Art.

Students make and exhibit work in the newly constructed Grant Street Studios (https://art.asu.edu/venues-and-facilities/grant-street-studios (https://art.asu.edu/venues-and-facilities/grant-street-studios)), which offers sixty individual studios, two galleries and enhanced facilities including a common wood shop, computer lab and 3-D print lab. Located in downtown Phoenix, Grant Street Studios also provide access to the city's vibrant community of museums, galleries, businesses and cultural organizations. The Visiting Artist and Scholar lecture series is another vital opportunity for students to learn from and connect with regional, national and international colleagues.

## Degree Requirements:

60 credit hours and an oral comprehensive exam (defense of MFA exhibition).

The 60 hours of graduate credit are subject to committee approval and must include:

ART 680 Practicum, resulting in an MFA exhibition (10-15 credit hours)
graduate studio (18-27 credit hours)
graduate-level academic coursework (at least 6 credit hours)
graduate-level ART seminars (9-18 credit hours)
required courses in contemporary art theory (3) and cross-practice critique (3) (6 credit hours)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- portfolio
- statement of intent
- three letters of recommendation
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

Admission is a two-step process. Although applicants fill out one application through the online graduate application process, they must be admitted into both the MFA program and to the Graduate College.

The portfolio should be 20 images, sized with a maximum dimension of 1024 pixels; video files less than 60MB each; and accompanied by an image list and the statement of intent (not exceeding 1,000 words) that addresses the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular as well as professional goals.

The three letters of recommendation should be from faculty members with whom the applicant has studied or from recognized professionals in the field. All the instructions for letters of recommendation must be followed when submitting them with the application to the Graduate College.

The method for submitting the resume or vitae, portfolio, statement of intent and letters of recommendation is online via SLIDEROOM: https://asuherberger.slideroom.com. (https://asuherberger.slideroom.com) Applicants may upload images (.jpg), video (.mov, .wmv, .flv), music (mp3) or PDF documents.

Applicants should see the program website for application deadlines.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-mfa-mfa
ART 102
soagrad@asu.edu
480-965-8521

## Art (Art Education), MA (FAARTEDMA)

Online Degree Search Title: Art Education, MA
Campus: Tempe

Students in the MA program in art with a concentration in art education investigate issues in art teaching and learning from multiple perspectives, including art inquiry, studio, visual culture, development and context. The degree program culminates with an original thesis study proposed and carried out by the student. Thesis studies may be conducted in a range of contexts where art learning takes place, such as K-12 art classrooms, art centers and museums, university studios or in a teacher's own classroom.

## Degree Requirements:

30 credit hours, a thesis and a written comprehensive exam (qualifying research proposal).

Required Core (18 credit hours)
ARE 510 Visual Culture Research (3)
ARE 520 Issues in Teaching Inquiry in Art (3)
ARE 525 Research on Art Instruction (3)
ARE 530 Issues in Teaching Studio Art (3)
ARE 535 Research on Teaching Studio Art (3)
ARE 540 Teaching Art in Cultural Contexts (3)

Other Requirements (6 credit hours)
special topics on research related to integrating the teaching of studio art, art history and criticism or aesthetics (6)

Culminating Experience (6 credit hours)
thesis (6)

Additional Curriculum Information
Before the end of the first semester of coursework (six or more credit hours), a plan of study must be submitted to the Graduate College. Additional program requirements are indicated in the guidelines for the master's degree in art education.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants should submit:

- graduate admission application and application fee
- official transcripts
- a formal art education research paper for review
- resume
- statement of intent
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

An applicant must have a bachelor's degree from a regionally accredited college or university with a major of no fewer than 45 credit hours of art, including 12 credit hours of art history and six credit hours of art education. Additional hours may be required by the school.

An applicant must have a GPA of at least 3.00 ("B") in undergraduate coursework during the junior and senior years. Applicants who do not meet these requirements must submit scores from the MAT or the GRE.

The resume should demonstrate how professional experience will help the student succeed in this program.

Applicants should see the program website for application deadlines.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-education
ART 102
soagrad@asu.edu
480-965-8521

## Art (Art History), MA (FAARTHISMA)

## Online Degree Search Title: Art History, MA

Campus: Tempe

## Program Description:

The MA in art with a concentration in art history is a comprehensive degree program designed to train students to engage with visuality in multiple ways. It offers a diverse curriculum intended to foster critical understanding of aesthetics, production, patronage and consumption of art. Eleven internationally recognized faculty members offer classes across many cultures, time periods and geographies, using multiple approaches and methodologies. The program stresses intersections between disciplines, borders, margins, points of mediation and technological developments throughout history. The graduate curriculum offers focused study in the areas of images and digital technologies, art in social and political contexts, and histories and theories of visual culture.

## Degree Requirements:

30 credit hours, a thesis and a foreign language exam.

Required Core ( 3 credit hours)
ARS 501 Methodologies and Art History (3)
Focus Area Coursework (12 credit hours)
Seminars (12)

Electives (6 credit hours)

Research (3 credit hours)
ARS 592 Research (3)

Culminating Experience ( 6 credit hours)
ARS 599 Thesis (6)

Additional Curriculum Information

This program must include a minimum of 24 hours in art history, with at least 12 of these earned in 500 -level seminars.

Four courses in the below areas are required with two of these courses outside of the geographical area of specialization:

Ancient
Africa
Asia
Baroque
Contemporary (inc. Photo)
Latin America
Medieval
Modern
Native American Indian
Oceania
Pre-Columbian
Renaissance

For elective coursework, students may choose to take either 500-level courses in art history or related areas such as anthropology, history, museum studies, religion, etc. or up to six hours of the following omnibus courses:

ARS 590 Reading and Conference
ARS 592 Research
ARS 584 Internship

Students must have reading knowledge of one research language in addition to English. The selected language needs to be appropriate for the area of research concentration and must be approved by the faculty mentor. This requirement can be met by taking a language for reading knowledge course in the School of International Letters and Cultures (SILC) with a grade of B or better, or by passing the Graduate Foreign Language Examination offered by SILC which requires a fee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. In addition, applicants must have an undergraduate major or minor in art history or at least four upper-division art history courses in which a GPA of 3.00 or higher was maintained.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
three letters of recommendation.
- one formal research paper for review
- one-page statement of intent indicating their objectives for graduate study
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of their current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines and admission terms.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-history-museum-studies
ART 102
soagrad@asu.edu
480-965-8521

## Art (Digital Technology), MFA (FADIGITMFA)

Online Degree Search Title: Art (Digital Technology), MFA
Campus: Tempe

## Program Description:

The MFA in art with a concentration in digital technology is a program offered by the School of Art in collaboration with the School of Arts, Media and Engineering. It is a hybrid degree that combines technological and artistic goals and is designed for students with skills and experience in both realms.

Applicants will be required to demonstrate accomplishment in art and technology, particularly in having developed new digital technology for the arts. Coursework will be required in both the School of Art and the School of Arts, Media and Engineering. The School of Art offers graduate-level courses in digital audio, video, photography, animation, compositing and rapid prototyping. Graduate courses offered by the School of Arts, Media and Engineering focus on topics such as interactive media methodology and theory, sensing and understanding activity, perception and cognition for artists and designers, advanced programming, interaction design for media installations, and digital and physical fabrication.

## Degree Requirements:

60 credit hours and an oral comprehensive exam.

Graduate credit is subject to committee approval and includes:

36 graduate studio credit hours in the major areas of concentration of which 18 credit hours are ART studio classes and 18 credit hours are graduate-level courses in the School of Arts, Media and Engineering
six credit hours of ART 621 Seminar
six credit hours of graduate-level art history
six credit hours of ART 680 Practicum and six credit hours of AME 593 Applied Project, leading either to a final thesis exhibition or an applied project

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- an art and digital technology resume
- current resume or curriculum vitae
- portfolio
- statement of intent
- statement and evidence of work demonstrating digital technology skills beyond end user applications
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

Admission is a two-step process. Although applicants fill out one application through the online graduate application process, they must be admitted into the Master of Fine Arts program and to the Graduate College.

The portfolio must be of 20 images sized with maximum dimension of 1024 pixels; video files of less than 60 MB each; and an image list that accompanies the portfolio. The method for submission for the portfolio is online via SLIDEROOM: https://asuherberger.slideroom.com (https://asuherberger.slideroom.com). Applicants may upload images (.jpg), video (.mov, .wmv, .fly), music (.mp3) or PDF documents.

The statement of intent should not exceed 1,000 words and should address the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular, as well as address the applicant's professional goals.

The letters of recommendation should be from faculty members with whom the applicant has studied or from recognized professionals in the field. All instructions for the letters of recommendation must be followed when submitting the application to the Graduate College.

Applicants should see the program website for application deadlines.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu
ART 102
soagrad@asu.edu
480-965-6303

## Built Environment (Energy Performance and Climate Responsive Architecture), MS (ARENERGYMS)

Online Degree Search Title: Built Environment (Energy Perf/Climate Responsive Arch), MS
Campus: Tempe

## Program Description:

The MS program in the built environment with a concentration in energy performance and climate-responsive architecture educates students to become experts in energy-efficient building design and energy technology. The program's focus is the relationship between climate and site, thermal and visual comfort in buildings, and the demand and consumption of energy.

Courses in this concentration establish a basic core of knowledge of the principles of the natural energies available at the building boundary due to climate and site; thermal and optic behavior of building materials and components; passive and low-energy architectural systems for heating, cooling and lighting; and appropriate integration with mechanical systems. Additional courses are available to support advanced study and research in a variety of related specialties.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (ATE 593).

Required Core (21 credit hours)

Electives (3-6 credit hours)

Culminating Experience (3-6 credit hours)
ATE 593 Applied Project (3)
ATE 599 Thesis (6)

Additional Curriculum Information
The applied project option consists of six credit hours of electives and three credit hours of ATE 593. The thesis option consists of three credit hours of electives and six credit hours of ATE 599.

Students should see the academic unit for an approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in one of the professions or fields of study outlined below:

- a five- or six-year National Architectural Accrediting Board-accredited professional degree in architecture (BArch or MArch)*
- a four-year Bachelor of Science in landscape architecture or a master's degree in landscape architecture which must be granted by an institution that offers the Landscape Architectural Accreditation Board-accredited degree program in landscape architecture
- an engineering degree (BS or MS) with a background in building sustainability issues**
- a science degree (BS or MS) with a background in building sustainability issues
*Applicants should refer to the NAAB website for more information about the BArch or MArch.
${ }^{* *}$ Mechanical and civil engineering and construction majors are particularly suited for application to the BS or MS program in engineering.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official copy of GRE scores
- portfolio; or, a writing sample from applicants who have a science background
- statement of intent
- contact information for three references
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information can be found at: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

Unofficial copies of GRE scores will not be accepted. More information is available at the GRE website or https://uoeee.asu.edu/testing (https://uoeee.asu.edu/testing).

The portfolio or writing sample, statement of intent and contact information for three references must be submitted via Slideroom (https://asudesign.slideroom.com (https://asudesign.slideroom.com)).

Admission to the program is selective. Admission to the program cannot be deferred; students must enroll in the semester for which they are admitted; otherwise, they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting The Design School.

Applicants should see the program website for application deadlines and admission terms.

## Contact Information:

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536
Composition, MM (FAMCOMPMM)
Online Degree Search Title: Music Composition, MM
Campus: Tempe

## Program Description:

The MM program in composition focuses on the development of skills necessary to pursue a career in music composition. Opportunities to collaborate with music scholars, theorists, performers, educators and other composers provide students with a broad and well-rounded foundation for advanced careers in music.

## Degree Requirements:

32 credit hours, a thesis and a written comprehensive exam, or 32 credit hours, an applied project and a written comprehensive exam.

The credit hour requirements for the degree are distributed as follows:
composition ( 9 credit hours)
electives ( 8 credit hours)
music theory and music history ( 9 credit hours)
thesis (6 credit hours)

The thesis is an original composition that demonstrates mastery of composing for the selected performance medium and the coherent organization of musical material.

## Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information about degree requirements for all graduate music programs may be found on the check sheets: https://music.asu.edu/degree-programs/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- School of Music application (including a resume and personal statement): https://music.asu.edu/admissions/grad/
(https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- prescreening portfolio
- three letters of recommendation
- proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency)


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students must have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5 , or a Pearson Test of English score of at least 60 .

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses
(or the equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture
MHL 341 Music History I
MHL 342 Music History II
MTC 125 Basic Music Theory
MTC 221 Music Theory: 18th Century
MTC 222 Music Theory: 19th Century
MTC 223 Music Theory: 20th Century

Applicants should see the program website for application deadlines. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency) and review of prescreening materials, an applicant may be invited for an interview. Information on the interview may be found at https://music.asu.edu/admissions/graduate-auditions (https://music.asu.edu/admissions/graduate-auditions).

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/composition-theory
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069
Composition (Interdisciplinary Digital Media and Performance), MM (FADIGITMM)
Online Degree Search Title: Music (Interdisciplinary Dig. Media and Perf.), MM
Campus: Tempe

## Program Description:

The MM program in composition with a concentration in interdisciplinary digital media and performance is designed for students who have interests and skills in unique cross sections of the arts and sciences.

The degree program expands the School of Music offerings to include areas beyond typical music coursework, allowing for expanded opportunities for personal growth. It also allows the School of Music and its students to be actively involved in current developments in the ever-changing field of media.

The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses are invaluable assets to music students, with resources that complement existing and future courses in electronic music.

## Degree Requirements:

32 credit hours, a thesis and a written comprehensive exam, or 32 credit hours, a thesis, a written comprehensive exam and an oral comprehensive exam.

Required Core (6 credit hours)
MTC 523 Advanced Composition (6)

Concentration (18 credit hours)
Arts, Media and Engineering coursework (9)
Music Theory and Music History (9)

Electives (2 credit hours)

Culminating Experience ( 6 credit hours)
AME or MTC 599 Thesis (6)

Additional Curriculum Requirements
Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information on degree requirements for all graduate music programs may be found on the check sheets: https://music.asu.edu/degreeprograms/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country and officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- School of Music application (including a resume and personal statement): https://music.asu.edu/admissions/grad/
(https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- prescreening portfolio: https://music.asu.edu/admissions/graduate-recordings-portfolios (https://music.asu.edu/admissions/graduate-recordingsportfolios)
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or their equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture
MHL 341 Music History I
MHL 342 Music History II
MTC 125 Basic Music Theory
MTC 221 Music Theory: 18th Century
MTC 222 Music Theory: 19th Century
MTC 223 Music Theory: 20th Century

Students should see the program website for application deadlines. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency requirements) and review of prescreening materials, an applicant may be invited for a live interview. Information about the interview may be found at https://music.asu.edu/admissions/graduate-auditions (https://music.asu.edu/admissions/graduateauditions).

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/composition-theory
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Creative Enterprise and Cultural Leadership, MA (HICECLMA)

Online Degree Search Title: Creative Enterprise and Cultural Leadership, MA
Campus: Downtown Phoenix, Tempe

## Program Description:

The MA program in creative enterprise and cultural leadership empowers students to advance innovation in the cultural sector, support creative work and careers, and design public and private enterprises that will strengthen arts and design in the future. The program prepares graduates to understand the complex economic, legal, political and social context that surrounds any innovation or enterprise. Students are exposed to design thinking pedagogy as they increase their capacity for interpersonal communication, public communication, opportunity recognition, network and systems thinking, problem recognition and creativity as well as demonstrated ability in cultural leadership and knowledge of the creative industries,
distribution of creative products, the creative process and management of innovation in the creative industries.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Art (Museum Studies), BA
Arts (BA in the Arts), BA
Digital Culture, BA
Environmental Design, BS
Film (Filmmaking Practices), BA
Music, BA
Theatre, BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

31 credit hours including a written comprehensive exam, oral comprehensive exam, and the applied project course (HDA 593).

Required Core ( 15 credit hours)
GRA 501 Creative Environment and Collaborative Leadership (3)
HDA 511 Leadership in the Creative Industries (1)
HDA 512 Strategy: Problem Identification and Opportunity Recognition in the Creative Industries (2)
HDA 513 Creativity and Design Thinking (3)
HDA 521 Arts, Culture and the Economy (3)
HDA 522 Media Literacy and Distribution (3)

Electives or Research (9 credit hours)
creative enterprise development elective (3)
leadership elective (3)
other approved elective (3)

Other Requirements (1 credit hour)
HDA 583 Fieldwork (1)

Culminating Experience (6 credit hours)
HDA 593 Applied Project (6)

Additional Curricular Information
Note that electives are approved in consultation with either the student's committee or the program director.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in an arts, design, business, public policy or related discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- letter of intent
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letter of intent must outline the applicant's reasons for choosing to pursue a Master of Arts in creative enterprise and cultural leadership and outline how their unique background and abilities make them a suitable candidate.

## Contact Information:

Design \& the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/research-and-initiatives/enterprise-and-entrepreneurship-programs/curb-enterprise-leadership/master-of-arts
GHALL 155
herbergeradmissions@asu.edu
480-965-2458
Dance, MFA (FADANCEMFA)
Online Degree Search Title: Dance, MFA
Campus: Tempe

## Program Description

The MFA in dance at ASU is a highly flexible program that enriches creative and embodied practices through an integrated curriculum, connecting intuitive, kinesthetic and intellectual experiences. ASU's School of Film, Dance and Theatre seeks individuals who are self-motivated, have clear and demonstrated objectives, and are willing to explore new possibilities in the field of dance. This program also recognizes and encourages individual strengths and professional experience. The School of Film, Dance and Theatre welcomes a diversity of applicants with interest in:

## Creating:

- dance and art making
- dance technologies
-improvisation and real-time composing
- transdisciplinarity and hybridity
- performance
- socially-engaged and community arts practices
- sound design

Framing and Contextualizing:

- dance and related histories
- dance anthropology and ethnography
- dance pedagogy
- movement analysis and critical inquiry
- musical methods
- performance and cultural studies
- philosophy of dance
- educational and professional partnerships


## Moving:

- contemporary ballet
- postmodern contemporary dance
- somatic practices
- urban arts practices


## Degree Requirements:

60 credit hours and a bound document.

Incoming students take coursework in dance and related fields, which have been designed to provide a broad and fundamental preparation for future careers in:

- arts administration
- arts presenting
- community partnerships
- cross-cultural and ethnographic research
- independent creative practices
- multimedia and technology
- preK-20 private and public sector education
- professional performance companies
- social work and public programs
- wellness and health care

The Master of Fine Arts applied project in dance serves as the culminating experience in the graduate dance curriculum. Students have the opportunity to select the format and structure of their project in conjunction with their Master of Fine Arts committee. The applied project takes into consideration the future goals of the student and serves as a bridge to careers beyond graduate school.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- Web-based documentation of recent work, including one solo piece and one group piece, or other forms and types of creative research
- three letters of recommendation from professionals in the field
- a personal artistic statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232
fdt@asu.edu
480-965-5337

## Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)

Online Degree Search Title: Dance (Interdisciplinary Digital Media and Perform.), MFA
Campus: Tempe

## Program Description:

The MFA program in dance with a concentration in interdisciplinary digital media and performance builds on the strength of the School of Film, Dance and Theatre and expands into the specific area of new media practices. The concentration provides a select group of graduate students with a rigorous, in-depth opportunity to specialize in dance as well as transdisciplinary digital arts.

The interdisciplinary classes and research activities of the transdisciplinary School of Arts, Media and Engineering that form part of this concentration give students access to advanced media equipment, studios, project funding and interdisciplinary collaborators.

## Degree Requirements:

60 credit hours and a bound document.

The degree involves three years of residency:
a final MFA applied project (8 credit hours)
a written document
an oral defense
required coursework in the concentration taught by AME (18 credit hours)
electives (15 credit hours)
required courses in the School of Dance (19 credit hours)
ongoing showings of work

The current MFA is normally accomplished during three years of residency in the School of Film, Dance and Theatre. Ongoing showings of creative work are required. Foundational coursework is offered in areas of creative practice, movement practices, pedagogy, professional development, technology and theory.

Students enrolled in the program specialize in areas related to independent research. The Master of Fine Arts applied project, which may involve producing original choreography, presenting a lecture demonstration on a body of research or another form of original work, acts as the culminating experience of the program. Completing the process are a thesis presentation, a final written document, reflective in nature, as well as an oral defense.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- DVD of recent work, including one solo piece and one group piece
- three letters of recommendation from professionals in the field
- personal artistic statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal artistic statement should relate to School of Dance core values as described by the Learning Lens, and include a description of the applicant's interest in and previous experience with interdisciplinary dance and digital media art-making.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232
fdt@asu.edu
480-965-5337

## Dance Teaching Artist Praxis (Certificate), Certificate (HIDTAPGRCT)

Online Degree Search Title: Dance Teaching Artist Praxis (Graduate Certificate)
Campus: Tempe

## Program Description:

The graduate certificate in dance teaching artist praxis prepares students to enter the dance field as professional teaching artists and educators. The program equips students with the knowledge, skills and credentials to work as dance teaching artists, pedagogical theorists and researchers, higher-education dance professors and teacher preparation experts, preK-12 dance educators and community dance teachers. Students completing the dance teaching artist praxis certificate will fulfill central coursework requirements necessary to obtain a Provisional Arts Education, preK-12 certificate in dance from the Arizona Department of Education. They also will gain the qualifications and credentials required to develop and teach university teacher preparation courses and training programs, and develop the skills and perspectives necessary to effectively work as a teaching artist in diverse sociocultural and learning contexts.

## Degree Requirements:

28 credit hours including a written portfolio.

Required Core (28 credit hours)
DCE 530 Graduate Movement Practices I (2)
DCE 531 Graduate Movement Practices 2 (2)
DCE 554 Teaching Praxis I: Postsecondary Teaching Philosophies, Foundations and Practices (3)
DCE 654 Teaching Praxis II: Theories, Contexts, Populations, Psychomotor Development and Curriculum Design (3)

DCE 656 Teaching Praxis III: Secondary Practices and Teacher Preparation Course Development/lmplementation (4)
DCE 657 Pedagogical Research and Fieldwork (2)
SED 578 Student Teaching: Secondary Education (12)

Additional Curriculum Information
Students must submit the written portfolio culminating experience in the last semester of enrollment in the certificate program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a minimum of a master's degree in dance or a related field from a regionally accredited college or university, or have successfully completed their first semester of the Arizona State University MFA degree program in dance.

Applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in the applicable master's degree program or in the ASU Master of Fine Arts program in dance at the time of their application submission.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337
Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)
Online Degree Search Title: Healthcare and Healing Environments, MSD
Campus: Tempe

## Program Description:

The MSD program with a concentration in design of health care and healing environments is focused on the science and experiences behind the built environment's real and perceived impacts on health and wellness. To this end, the concentration in design of health care and healing environments emphasizes the intersection and integration of evidence-based research and practice, transdisciplinary studies, best practices, and innovation in supporting and advancing the design of healthy environments, products and processes. This concentration explores and synthesizes principles from a variety of disciplines including innovation, architecture, design, communication, human behavior, policy, quality and performance improvement, among others, in arriving at a thorough understanding of the critical issues facing the health care industry.

Students in this concentration will have opportunities to:

- be mentored by local health care design consultants
- communicate with forward-thinking health care research centers
- engage directly with real clients
- interact with prominent health care organizations
- participate in industry conferences
- team with nursing and health innovation faculty and students


## Degree Requirements:

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete the graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
portfolio
letter of intent
- contact information for three references
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

When applying for admission, applicants must declare one of seven concentrations:

- arts, media and engineering
- design of health care and healing environments
- industrial design
- interaction design
- interior design
- new product innovation
visual communication design

The portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (https://asuherberger.slideroom.com (https://asuherberger.slideroom.com)). The Design School requires that these be submitted in addition to Graduate Admission Services application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

## Teaching or Research Assistantships

Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the MSD website.

All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

## Contact Information:

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

Online Degree Search Title: Industrial Design, MSD
Campus: Tempe

## Program Description:

The MSD program in industrial design is meant for individuals interested in advanced studies in:

- criticism and methodology
- design processes
- history
- human factors
- technology
- theory

This program helps students develop an understanding of contemporary industrial design issues through specialized research and design skills. It also prepares the graduate student for a career in industrial design education.

## Degree Requirements:

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
- contact information of three references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency through either the TOEFL or the IELTS. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

When applying for admission, applicants must declare one of the concentrations.

The portfolio, letter of intent, resume and contact information of three references must be submitted via Slideroom (https://asudesign.slideroom.com (https://asudesign.slideroom.com/)). The Design School requires that these be submitted in addition to the graduate application requirements.

GRE scores are not required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

## Contact Information:

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Design (Interaction Design), MSD (ARDSCIMSD)

Online Degree Search Title: Design (Interaction Design), MSD
Campus: Tempe

## Program Description:

Interaction design is about how people use products and services. This MSD program focuses on the study of interaction design principles, tools, complexities and change. Students will be prepared to create dynamic, expressive and communicative forms for effective human-spatial interactions such as those needed with physical and virtual shopping, retrieving information and numerous other such tasks.

## Degree Requirements:

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

## Admission Requirements:

Master of Science in Design Program Requirements

- All applicants must submit the online graduate application and hold an undergraduate or graduate degree from a college or university recognized by ASU.
All applicants must have completed a program in design and must hold a bachelor's degree in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:
- arts, media and engineering
- design of health care and healing environments
- industrial design
- interaction design
- interior design
- new product innovation
visual communication design
- All applicants must meet the minimum GPA requirements as established by the Graduate College.
- An applicant whose native language is not English (regardless of current residency) is required to submit an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found on the Graduate College website at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).
- A portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (https://asuherberger.slideroom.com (https://asuherberger.slideroom.com)). The Design School requires that these be submitted in addition to the the Graduate College application requirements.

No GRE test is required.

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Teaching or Research Assistantships

Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the Master of Science in Design website.

All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

## Contact Information:

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Design (Interior Design), MSD (ARINTDEMSD)

Online Degree Search Title: Interior Design, MSD
Campus: Tempe

## Program Description:

The MSD program in interior design is a research degree program that addresses the discovery and inquiry of how people relate to space. The program encourages the investigation of creativity, innovation and critical thinking while acknowledging the importance of cultural and historical precedent. This program helps students develop an understanding of contemporary interior design issues through specialized research and design skills. This concentration prepares students with prior interior design training for more specialized career fields and for a career in academia.

## Degree Requirements:

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to creatively apply research to a design situation.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
contact information of three references
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency through either the TOEFL or the IELTS. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

When applying for admission, applicants must declare one of the concentrations.

The portfolio, letter of intent, resume and contact information of three references must be submitted via Slideroom (https://asudesign.slideroom.com (https://asudesign.slideroom.com/)). The Design School requires that these be submitted in addition to the graduate application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

## Contact Information:

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Design (Visual Communication Design), MSD (ARVCDMSD)

Online Degree Search Title: Design (Visual Communication Design), MSD
Campus: Tempe

## Program Description

The MSD with a concentration in visual communication design is a degree program meant for individuals interested in advanced studies in visual language, history, theory, criticism and methodology, design processes and technology. The student develops an understanding of contemporary graphic design issues through specialized research and design skills curriculum. It also prepares the graduate student for a career in graphic design education.

## Degree Requirements:

36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593)

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's degree thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in graphic design, industrial design, interior design or a related design discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- portfolio
- letter of intent
- resume
- contact information for three references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International students are required to submit proof of English Proficiency through either the TOEFL or the IELTS if their native language is not English. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

When applying for admission, applicants must declare a concentration. Students should see the department website for an approved list of graduate programs.
(https://asudesign.slideroom.com)). The Design School requires that these be submitted in addition to the graduate application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

GRE scores are not required.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

## Contact Information:

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Design, Environment and the Arts, PHD (HIDEAPHD)

Online Degree Search Title: Design, Environment and the Arts, PhD
Campus: Tempe

## Program Description:

The PhD program in design, environment and the arts is an individualized, institute-wide, transdisciplinary degree that integrates graduate courses and faculty research with expertise in design; health care and healing environments; history, theory and criticism; and digital culture in design.

Broad in scope, the program is at the cutting edge of creating new knowledge in architecture, design and the arts. It complements transdisciplinary research in other disciplines within the university. The program provides research experience for students wishing to pursue careers in industry as members of interdisciplinary design teams on environmental and energy issues as well as for those wishing to teach in the architecture, design or the arts fields.

Applicants should apply to the concentration appropriate to their area of research interest as applications to the stand-alone degree program are not being accepted at this time.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's degree can count toward the requirements of the doctoral program.

Of the 54 credit hours remaining after the master's degree, 12 must be dissertation credit and 12 may be research. These 24 credit hours plus the remaining 30 credit hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54 credit hour minimum requirement completed after admission to the program.

The student is required to take 15 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the area of focus; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in the field of architecture, graphic design, industrial design, interior design, landscape architecture, or fine arts from a regionally accredited institution. Students must be familiar with design and the arts and will be expected to demonstrate a high level of academic maturity before being admitted to the program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design; history, theory and criticism; digital culture in design; or health care and healing environments)
- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score of at least 100 iBT or 600 PBT or an overall International IELTS band score of 7.50 , with no individual band below 7.00 , is required of all applicants whose native language is not English: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit, administered at ASU, and become certified. Additional information is available on the department website.

Students are admitted to the program only upon completion of a degree in architecture, graphic design, industrial design, interior design, landscape architecture or fine arts, or upon the demonstration of equivalent standing. Applicants must be familiar with design and the arts and will be expected to demonstrate a high level of academic maturity before being admitted to the program.

Applicants must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Students are recommended to introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The letters of recommendation preferably would be academic, although they could be professional. Applicants will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Candidates are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.

Applicants should identify a proposed research topic, or list of possible topics, that aligns with the research mission of the program and the research interests of faculty.

The application will be considered incomplete if any of the items is missing.

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores; previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College will notify all applicants in writing of the admission decision.

Applicants should see the program website for application deadlines.

## Contact Information:

Design \& the Arts, Herberger Institute for Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/
CDN 162 E
design.grad@asu.edu
480-965-3536

## Design, Environment and the Arts (Design), PHD (HIDEADSPHD)

Online Degree Search Title: Design, Environment and the Arts (Design), PhD
Campus: Tempe

## Program Description:

The design concentration within the PhD in design, environment and the arts is an individualized institute-wide interdisciplinary program that integrates graduate courses and faculty research with expertise in design. Broad in scope, the program is at the cutting edge of creating new
knowledge in architecture, design and the arts. The program provides research experience for students wishing to pursue careers in industry as members of transdisciplinary design teams on environmental and energy issues as well as for those wishing to teach in the architecture, design or the art fields.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
EPD 700 Research Methods (3)
EPD 710 Current Research in Design (3)

Concentration ( 15 credit hours)
DSC 558 Daylighting (3)
DSC 594 Conference and Workshop (3)
EPD 791 Seminar (3)
GRA 501 Creative Environment and Collaborative leadership (3)
GRA 561 Methods in Visual Communication I (3)
GRA 562 Methods in Visual Communication II (3)
GRA 581 Internship in Teaching Design (3)
GRA 590 Reading and Conference (3)
INT 515 Decorative Arts in Historic Interiors: A Thematic Overview (3)
INT 516 Textiles in Historic Interiors: Appearance, Function, Symbolism (3)

Electives or Research (21 credit hours)
EPD 790 Reading and Conference (9)
EPD 792 Research (12)

Culminating Experience (12 credit hours)
EPD 799 Dissertation (12)

Additional Curriculum Information
Students choose five courses from the list of concentration courses above. Other equivalent courses may be used as concentration coursework with approval of the supervisory committee.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree, in a closely related field, from a regionally accredited institution. Examples of appropriate fields include art history, architectural history, design history or fields in the humanities, such as history or literature; or archaeology and anthropology also may be considered. Students without graduate experience in the history of art, history of architecture and history of design may be asked to fulfill deficiencies.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in the applicable master's degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- personal statement
- abstract of proposed research
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must submit a personal statement, abstract of proposed research, and contact information for three references to Slideroom (https://asudesign.slideroom.com (https://asudesign.slideroom.com)). It is required that these be submitted in addition to the Graduate College
application requirements.

## Contact Information:

Design \& the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/node/2154
CDN 152 E
design.grad@asu.edu
480-965-3536

## Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVDGPHD)

Online Degree Search Title: Design, Environment and the Arts (Digital Culture in Design), PhD

## Campus:

## Program Description:

The PhD program in design, environment and the arts with a concentration in digital culture in design focuses on the role of computational systems in enhancing creativity and the quality of human design. Graduates of the program should be thinkers as well as doers; they should learn to question the existing paradigms that govern the digital world as they impact design and the arts; they should be able to analyze systematically how digital tools affect the way designers and artists think, conceptualize, create and evaluate their designs and artwork; and, as a result, they should be able to come to a unique synthesis, leading the way in these fields.

This concentration program primarily will explore the impact of digital culture on how built environments, products and visual communications are designed and analyzed by design professionals and are utilized by their intended audience. Students should be able to systematically question existing paradigms and ontologies of digital tools, evaluate the new paradigms that emerge as a result of digital culture, and propose new frameworks for design disciplines. Issues such as user interface design for new products, computer simulation of performance of buildings and products, effects of digital tools on architectural form giving, digital design processes, better incorporation of human factors into design tools, usability and interaction design are some examples of faculty expertise and areas of focus.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
EPD 700 Research Methods (3)
EPD 710 Current Research in Design (3)

Required Concentration (12 credit hours)

Research and Approved Electives (24 credit hours)

Culminating Experience (12 credit hours)
EPD 799 Dissertation (12)

Other Requirements ( 30 credit hours)
a previously awarded master's degree or approved relevant coursework (30)

## Additional Curricular Information

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's degree can count toward the requirements of the doctoral program.

Of the 54 credit hours remaining after the master's degree, 12 must be dissertation credit and 12 may be research. These 24 credit hours plus the remaining 30 credit hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54 credit hour minimum requirement completed after admission to the program.

The student is required to take 12 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the concentration; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the field of architecture, graphic design, industrial design, interior design, landscape architecture, arts media or engineering, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design, history, theory and criticism, digital culture in design, or health care and healing environments)
- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score of at least 100 iBT or 600 PBT or an overall IELTS band score of 7.50 , with no individual band below 7.00 , is required of all applicants whose native language is not English:https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency). International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit, administered at ASU, and become certified. Additional information is available on the department website.

Students are admitted to the program only upon completion of a degree in architecture, graphic design, industrial design, interior design, landscape architecture or fine arts, or upon the demonstration of equivalent standing. Applicants must be familiar with design and the arts and will be expected to demonstrate a high level of academic maturity before being admitted to the program.

The letters of recommendation preferably would be academic, although they could be professional. Applicants will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Applicants are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their ""To Do"" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.

Applicants should identify a proposed research topic, or list of possible topics, that aligns with the research mission of the program and the research interests of faculty.

Applicants must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Students are recommended to introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The application will be considered incomplete if any of the application items is missing

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores; previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College will notify all applicants in writing of the admission decision.

## Contact Information:

Design \& the Arts, Herberger Institute for Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu
CDN 162 E
design.grad@asu.edu
480-965-3536

## Design, Environment and the Arts (Healthcare and Healing Environments), PHD (ARENHHEPHD)

Online Degree Search Title: Design, Environment and the Arts (Healthcare and Healing Environments), PhD
Campus: Tempe

## Program Description:

The health care and healing environments concentration under the PhD program in design, environment and the arts focuses on the integration of evidence-based design, sustainable science and best practices benchmarks when planning health care facilities. Facility-related responsibilities supported by this area cluster into seven functional work units:

- facilities analysis (physical and environmental)
- human factors and user needs
- interior planning and design
- programming (long-range planning)
- research methodologies
- space management and planning
- strategic planning

This multidisciplinary program integrates the principles of medical and clinical innovations, interior architecture, human health services, communication studies, architecture, and behavioral and engineering sciences. Students in this program will be mentored by local health care design consultants, teaming with nursing students, working directly with real clients and corresponding with forward-thinking health care research centers. Graduating students will be able to address contemporary issues facing the health care industry, address health care environments on multiple levels, apply evidence-based research techniques and effectively communicate with clinicians.

Upon graduation, students may pursue advanced positions in the following arenas:

- elite consulting firms as facility programmers
- large health care systems and corporations as strategic planners
- leading manufacturers and vendors as expert representatives
- planning divisions in architectural and planning firms as medical planners
- research centers as decision-makers


## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
EPD 700 Research Methods (3)
EPD 710 Current Research in Design (3)

Concentration (18 credit hours)

Electives or Research (18 credit hours)
EPD 792 Research (12)
Other electives or research (6)

Culminating Experience (12 credit hours)
EPD 799 Dissertation (12)

Additional Curriculum Information
Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's can count toward the requirements of the doctoral program. If the student has not completed a master's degree, elective courses approved by the supervisory committee may substitute.

The student is required to take 18 credit hours in the concentration and a minimum of nine credit hours of specialized coursework outside the area of concentration.

No transfer credits are allowed to fulfill the 54-credit-hour minimum requirement completed after admission to the program. Each student entering the program is required to submit a plan of study during the first year.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in the field of design, interior design, architecture, nursing or other related fields from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design, history, theory and criticism, digital culture in design, or health care and healing environments)
- an indication of a potential mentor
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's degree thesis, research paper or published articles)
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score of at least 100 iBT or 600 PBT or an overall International IELTS band score of 7.50 , with no individual band below 7.00, is required of all applicants whose native language is not English (https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency)). International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit, administered at ASU, and become certified. Additional information is available on the department website.

Ideal candidates must already hold a master's degree in design, interior design, architecture, nursing or other related fields. A statement of intent will express interest in the health care research/design concentration. If students enter the program with no design or health care background, they must take certain deficiency courses.

The letters of recommendation preferably would be academic, although they could be professional. Students will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Students are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.

Students should identify a proposed research topic, or list of possible topics, that aligns with the research mission of the program and the research interests of faculty.

Students must have identified a doctoral program faculty member who has agreed to serve as a mentor. The faculty mentor should be from the Herberger Institute for Design and the Arts. Students are recommended to introduce themselves by email to the faculty members who they feel have related research interests and to inquire about their availability to be mentors.

The application will be considered incomplete if any of the application items is missing.

The doctoral executive committee evaluates the applications and supporting materials. Admission decisions are based on the ability of the potential mentor to devote time to the student; the compatibility of the applicant's career goals with the purpose of the degree program; GRE scores; previous academic training and performance; recommendation letters; and the research mission of the institute and the research interests of faculty. The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the dean of the Graduate College will notify all applicants in writing of the admission decision.

## Contact Information:

Design \& the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/degree-programs/design-environment-and-arts-healthcare-healing-environments-phd
CDN 162 E
design.grad@asu.edu
480-965-3536

## Design, Environment and the Arts (History, Theory, and Criticism), PHD (HIDEAHTPHD)

Online Degree Search Title: Design, Environment and the Arts (History, Theory, and Criticism), PhD
Campus: Tempe

## Program Description:

The history, theory and criticism concentration within the PhD program in design, environment and the arts focuses on the theoretical dimensions in
areas of architectural and design history or art history and including critical discourse in the design or art disciplines. The program offers classes and research across many cultures and time periods, geographies, and multiple approaches and methodologies within the art history program.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation, and a foreign language exam.

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Required Core (6 credit hours)
EPD 700 Research Methods (3)
EPD 710 Current Research in Design (3)
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Required Concentration (15 credit hours; choose five courses)
APH 515 Current Issues and Topics (3)
APH 590 Reading and Conference (3)
APH 598 Special Topics (3)
ARS 501 Methodologies and Art History (3)
ARS 506 Critical Studies in Roman Art (3)
ARS 514 Monasteries, Madonnas and Manuscripts (3)
ARS 533 The Pre-Raphaelites (3)
ARS 574 Studies in Japanese Art (3)
ARS 575 Approaches to Chinese Painting (3)
ARS 584 Internship (3)
ARS 585 Women in the Visual Arts (3)
ARS 591 Seminar (3)
ARS 598 Special Topics (3)
ARS 790 Reading and Conference (3)
EPD 790 Reading and Conference (3)
Electives or Research (21 credit hours)
EPD 792 or ARS 792 Research (12)
three 3-credit-hour courses at the 500 to 700 level as agreed upon by faculty mentor
Culminating Experience (12 credit hours)
EPD 799 or ARS 799 Dissertation (12)

Additional Curricular Requirements
A foreign language exam is required in order to show reading knowledge of two foreign languages as demonstrated by the exam administered by the College of Integrative Sciences and the Arts (or equivalent) during the program or by a "B" or better (scale is $4.00=$ "A") in a reading course such as a 400- or 500-level special topics course (example: ITA 494 or FRE 598 for reading knowledge). These credits will not count toward the degree total unless taken at the 500 level or above and approved by the faculty mentor as a concentration course.

When approved by the student's supervisory committee, this program allows 30 credit hours from a previously awarded master's degree to be used for this program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution. Examples of appropriate fields include art history, architectural history, design history or fields in the humanities, such as history or literature; archaeology and anthropology may also be considered. Students without graduate experience in the history of art, history of architecture and history of design may be asked to fulfill deficiencies.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- abstract of proposed research
- personal statement
- letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must submit to Slideroom (https://asudesign.slideroom.com (https://asudesign.slideroom.com/)) a personal statement, abstract of proposed research, and contact information for three references. It is required that these be submitted in addition to the Graduate College application requirements.

## Contact Information:

Design \& the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/degree-programs/design-environment-and-arts-history-theory-and-criticism-phd
ART 102
design.phd@asu.edu
480-965-8521
Digital Culture, MA (HIDGCMA)
Online Degree Search Title: Digital Culture, MA
Campus: Tempe

## Program Description:

The MA program in digital culture is geared toward practitioners of design and the arts who have an interest in software and system development and seek to enhance their practice through expanded engagement with interactive and embodied media design in a transdisciplinary environment.

The degree program allows artists and designers to explore new avenues for real-time media creation that seek to go beyond current paradigms. Coursework also explores current practices in various contexts (performance environments, health and well-being, social media and communication) as well as engineering-based approaches to develop experiential systems with social impact.

Digital culture alumni have received job opportunities in areas such as:

- audio and video
- engineering
- graphic design
- illustration
- interaction design
- iOS development
- journalism
programming
- software engineering
- special effects
- 3D modeling and fabrication
- visual media


## Degree Requirements:

33 credit hours including the applied project course (AME 593).

Required Core (12 credit hours)
AME 520 Understanding Activity (3)
AME 530 Experiential Media Methodology and Theory I (3)
AME 531 Experiential Media Methodology and Theory II (3)
AME 532 Creating by Algorithm (3)

Electives or Research (18 credit hours)

Culminating Experience (3 credit hours)
AME 593 Applied Project (3)

Additional Curriculum Information
Students should check with the academic unit regarding appropriate electives coursework.

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in one of the following areas from a regionally accredited institution: arts, humanities, design, media studies, computer science, engineering or a closely related field.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- portfolio
- statement of purpose
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A portfolio is required; however, submissions will vary depending on the background of each prospective student due to the transdisciplinary nature of the program. Applicants from a wide variety of disciplines are expected to be interested in the master's degree. Key works will be requested from applicants to illustrate the types of skills they wish to develop in the master's degree program. Examples include games they have designed and programmed, interactive installations and performances (submitted as video), websites they have created or programmed, music they have composed digitally, or films they have made.

The statement should explain, in a concise and persuasive manner, how the student's educational, professional and personal experiences inform their research and creative interests, and it should elaborate on any aspect of their background that supports candidacy to the School of Arts, Media and Engineering.

## Contact Information:

Design \& the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/
STAUF B217
ameed@asu.edu
480-965-9438

## Industrial Design, MID (HIINDMID)

Online Degree Search Title: Industrial Design, MID
Campus: Tempe

## Program Description:

The MID is a studio-based program in which students will learn to design new products and service systems that solve critical global problems. Students will engage in research, brainstorming, idea visualization, prototyping and testing of creative solutions that address critical problems faced in the world today. Graduates of this program will be adept in using principles of design innovation, sustainability and systems thinking in problemsolving and after graduation often find positions in industry and academia.

## Degree Requirements:

60 credit hours including the required capstone course (IND 622).

Required Core (40 credit hours)

Electives (12 credit hours)

Other Requirement (3 credit hours)
IND 584 Internship (3)

Culminating Experience (5 credit hours)
IND 622 Advanced Industrial Design Studio IV (5)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

The MID includes sequential studio courses. Requirements involve an average of 14 credit hours per semester. An internship is required during the summer prior to the final year.

Additional deficiency coursework is required for students who are in the three-year plus program; students should see the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of three references submitted via SlideRoom (https://asudesign.slideroom.com
(https://asuherberger.slideroom.com))
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency through either the TOEFL or the IELTS. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

The Design School requires that the portfolio, letter of intent and references be submitted via SlideRoom in addition to the Graduate College application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

The GRE is not required.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary; this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Admission requirements for the two-year program
Applicants must hold a minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as industrial design or product design.

Admission requirements for the three-plus year program
Applicants must hold a bachelor's degree (or equivalent) from a regionally accredited college or university of recognized standing in a field other than industrial design.

## Contact Information:

Design \& the Arts, Herberger Institute for The Design School https://design.asu.edu/degree-programs/graduate
CDN 162
designgrad@asu.edu
480-965-3536
Interior Architecture, MIA (HIIAMIA)
Online Degree Search Title: Interior Architecture, MIA
Campus: Tempe

## Program Description:

The MIA is a studio-based professional degree program that prepares graduates to fill leadership positions in interior architecture, design practice and education. Focusing on the development of groundbreaking design solutions to contemporary and emergent societal issues, such as sustainability and health care, this program draws upon history, theory and criticism to inform a transdisciplinary, evidence-based approach. Studios will have close ties to the allied disciplines of architecture and landscape architecture with faculty members from those programs actively involved in teaching studios with an interior architecture concentration. This provides a foundation of transdisciplinary learning to assist in the understanding of integrated practice. This degree program aims to further a candidate's comprehension of design as a synergistic process of identifying, analyzing and creating useful, beautiful and stimulating interior environments that serve the needs of varied user populations.

## Degree Requirements:

56 credit hours including the required capstone course (INT 622).

Students should see the academic unit for the course list. Additional coursework is required if the student needs to take deficiency courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of three references submitted via SlideRoom (https://asudesign.slideroom.com
(https://asuherberger.slideroom.com))
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information can be found at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

No GRE test is required.

The Design School requires that the portfolio, letter of intent and reference information be submitted in addition to the Graduate College application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous course work is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. Please keep in mind that this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Admission Requirements for the Two-year Program:
All applicants must have completed a minimum of a bachelor's degree (or equivalent) in interior design or interior architecture from a Council for Interior Design Accreditation-accredited program or a four-year degree in architecture from a National Architectural Accrediting Board-accredited program.

Admission Requirements for the Three-plus-year Program:
All applicants must have completed a minimum of a bachelor's degree (or equivalent) in a field other than in interior design, interior architecture or architecture.

## Contact Information:

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Landscape Architecture, MLA (ARLDEMLA)

Online Degree Search Title: Landscape Architecture, MLA
Campus: Tempe

## Program Description:

The MLA program at ASU is designed to enable students to engage with the community in projects that focus on improving the ecological and social health of the urban environment. Emphasis is on sustainable outdoor environments. In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure.

The graduate landscape architecture program projects can include large-scale work encompassing urban design, landscape reclamation, open space preservation planning and landscape ecological design, and projects at the more intimate scale of a neighborhood park or residential backyard. Emerging areas of focus include biotechnical design, construction of greenways, green roofs, living walls, urban agriculture as well as the design of healing environments.

As an accredited Master of Landscape Architecture degree program, the curriculum is intended to prepare students for landscape architecture professional practice and advanced study at the doctoral level. The Design School is committed to the merging of global and local contexts and concerns and, toward this end, graduate students in their final year go abroad for two weeks as part of their studio course. To date, students have traveled to Argentina, England, Ethiopia, Germany, Japan, the Netherlands, Rwanda, Spain and Turkey. The school also offers a number of summer study abroad programs in an effort to extend the student opportunities for global engagement.

Since 2011, when the first class of students graduated with master's degrees in landscape architecture, ASU alumni have found employment with nationally recognized landscape architects, in multinational firms and within public municipalities and agencies.

## Degree Requirements:

56 credit hours and a thesis, or 56 credit hours including the required applied project course (LDE 593), or 56 credit hours including the required capstone course (LDE 622).

Required Core ( 15 credit hours)
LDE 521 Advanced Landscape Architectural Studio I (5)
LDE 522 Advanced Landscape Architectural Studio II (5)
LDE 621 Advanced Landscape Architectural Studio III (5)

Research (9 credit hours)
DSC 598 Topic: Principles of Collaboration in Design (3)
LPH 513 Research in LA Seminar (3)
LPH 598 Topic: Landscape Architecture Research (3)

Electives (8 to 9 credit hours)

Other Requirements (18 credit hours)
LAP 584 Internship (1)
LAP 584 Internship (2)
LPH 598 Topic: Current Issues and Topics in Landscape Architecture (3)
LPH 598 Topic: Urban Landscape Water Systems and Management (3)
LPH 691 Topic: Landscape Architecture Seminar (3)
LTC 598 Topic: Planting Design (3)
LTC 598 Topic: Landscape Construction III (3)

Culminating Experience (5 or 6 credit hours)
LDE 593 Applied Project (5) or
LDE 599 Thesis (6) or
LDE 622 Advanced Landscape Architectural Studio IV (5)

Additional Curriculum Information
Students take 8 to 9 credit hours of design professional electives depending on the culminating experience. Students should see the academic unit for an approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- online graduate admission application and application fee
- official transcripts
- a portfolio, letter of intent and contact information of three references submitted via SlideRoom (https://asudesign.slideroom.com (https://asuherberger.slideroom.com))
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information can be found at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

The Design School requires that the portfolio, letter of intent and reference information be submitted in addition to the Graduate College application requirements.

Applicants are encouraged to report GRE scores, especially if the applicant's background is broad or other than a traditional design major, but it is not required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted; otherwise, they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Applicants may be admitted to the program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. If a student is assigned any deficiency coursework by the academic unit upon admission, those courses must be completed with a grade of "B" ( 3.00 on a 4.00 scale) or higher before completing the graduate program's required coursework. As an MLA student assigned deficiencies, there are two pathways: the three-year plus pathway with up to 42 credit hours beginning in the summer, and the other being the twoyear plus pathway with up to 15 credit hours beginning in the spring. Deficiency courses may include:
ALA 235 Introduction to Computer Modeling
APH 509 Foundation Seminar
LAP 254 Plant Materials (3)
LAP 352 Ecosystems and Sustainable Design
LDE 590 Topic: Foundation Landscape Architectural Studio
LDE 590 Topic: Core Landscape Architectural Studio I
LDE 590 Topic: Core Landscape Architectural Studio II
LPH 310 History of Landscape Architecture
LPH 311 20th Century Landscape Architecture
LTC 343 Landscape Construction I
LTC 344 Landscape Construction II

Admission requirements to the two-year pathway: applicants must have completed a four-year bachelor's degree with a major in landscape architectural studies or be a licensed landscape architect. The undergraduate degree must be granted by an institution that offers the Landscape Architectural Accreditation Board (LAAB) accredited degree program in landscape architecture.

Admission requirements to the two-year plus pathway: applicants must have earned a undergraduate or graduate degree in architecture, urban design, landscape design, planning, urban design, or a related design field.

Admission requirements to the three-year plus pathway: applicants must have earned a minimum of a bachelor's degree (or equivalent) in a field other than landscape architecture.

## Contact Information:

Design \& the Arts, Herberger Institute for

## Media Arts and Sciences, PHD (FAMASPHD)

Online Degree Search Title: Media Arts and Sciences, PhD

## Campus: Tempe

## Program Description:

Media, arts and sciences doctoral students train in translating, transporting and combining knowledge across disciplines for the development of innovative, experiential media systems and accompanying theoretical models. The PhD program structure includes transdisciplinary media courses through the School of Arts, Media and Engineering; elective-course credits relating to the student's research interests; and substantial research and dissertation hours devoted to collaborative research within the School of Arts, Media and Engineering network. Active participation in the School of Arts, Media and Engineering transdisciplinary research teams allows media, arts and sciences doctoral students to gain and contribute expertise in knowledge fusion for digital media.

Arts, media and engineering alumni have received job opportunities in:

- audio and video
- education
- graphic design
- illustration
- interactive system development
- iOS development
- journalism
- programming
- software engineering
- special effects
- 3D modeling and fabrication
- visual media


## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The requirements for this program are comprised of 39 course credit hours, 30 of which are to be from the transdisciplinary media courses offered by the School of Arts, Media and Engineering; 33 research credit hours; and 12 dissertation credit hours. All students will be required to take a minimum of two courses under each of the five constituting areas of experiential media ( 30 credit hours).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in arts, humanities, design, media studies, computer science, engineering, or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
curriculum vitae
- statement of purpose
- three letters of recommendation
- portfolio of supporting material
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

The statement of purpose should explain in a concise and persuasive manner how the student's educational, professional and personal experiences inform their research and creative interests, and the student should elaborate on any aspect of their background that supports candidacy to the School of Arts, Media and Engineering program.

Each applicant must demonstrate entry-level competencies. This can be demonstrated primarily through a portfolio. The portfolio may include previously developed media products, projects or publications demonstrating an understanding of and involvement with digital media and computation. Entry-level competency can also be partially demonstrated through coursework and may include such courses as:

- advanced computer programming
- computer graphics and animation
- computer music
- digital design
- film theory
- interactive technologies
- media authoring tools
- media theory
- multimedia systems
- signal processing

Students should see the program website for application deadlines and admission terms.

## Contact Information:

Design \& the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu
STAUF B 217
ameed@asu.edu
480-965-9438

## Music (Conducting), DMA (FACONDDMA)

Online Degree Search Title: Conducting, DMA
Campus: Tempe

## Program Description:

The DMA program in music with a concentration in conducting (emphasis areas: choral, orchestra and opera, wind band) offers emerging conductors the opportunity to improve their art, craft and scholarship, while becoming well-versed in multiple areas of conducting. Those pursuing this degree take several common courses regardless of emphasis and become acquainted with the repertory and conducting issues for each medium. Coursework emphasizes a thorough knowledge of repertory, knowledge of historical and analytical issues, an understanding of efficient, effective rehearsal technique, and clear, expressive conducting technique. Doctoral students of conducting receive considerable individual attention and have regular opportunities to rehearse and conduct a variety of ensembles.

There are three tracks in this degree program:

Conductors specializing in choral conducting expand their expertise in vocal technique and work to integrate this into their pedagogy and rehearsal process. Score study integrates musical and textual analysis to gain insights into the unique interpretive demands of each work. Through these studies and those described above, conductors enhance their musical and interpretive skills and develop a collaborative leadership style.

Conductors specializing in orchestra and opera conducting work closely with the director of orchestras and the artistic director of Lyric Opera Theatre and gain a breadth of experience in both orchestral and opera conducting. Time in front of an ensemble is essential, and therefore conductors have significant podium time as well as twice-weekly studio chamber orchestra classes. Study includes conducting technique, rehearsal technique, leadership, interpretation, score study, audience development and outreach, and career development

Conductors specializing in wind band conducting meet in seminars to deepen and broaden their understandings of the psychology, score preparation methods, pedagogy and communication skills that underlie the art and craft of conducting in the wind band setting. Additionally, students' capacity for analytical thinking and dialogical skills will be challenged and, subsequently, enhanced.

## Degree Requirements:

90 credit hours, a written comprehensive exam, an oral comprehensive exam and a research paper

Conducting Core (18 credit hours)

Electives (9 credit hours)

Cognate (integrated conducting, instrumental performance or music education) (9 credit hours)

Music History and Music Theory (21 credit hours)

Recitals and Research (24 credit hours)

Other Requirement
Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to course enrollment in the ASU School of Music.

Additional Curriculum Information
Thirty credit hours from a master's degree may be applied toward the 90 credit hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's degree in the program. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted here: https://music.asu.edu/degree-programs/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students seeking admission typically hold a Master of Music degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in an MM program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degreeprogram.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- official transcripts
- School of Music Application (including a resume and personal statement; also an uploaded writing sample from choral applicants):
https://music.asu.edu/admissions/grad/ (https://music.asu.edu/admissions/graduate-steps-to-apply)
- prescreening video
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: TOEFL score of at least 550 (PBT) or $80(\mathrm{iBT})$, IELTS overall band score of at least 6.5 , or Pearson Test of English score of at least 60 .

Students should see the program website for application deadlines. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency requirements) and review of prescreening materials, an applicant may be invited for a live audition. Information on the audition may be found at https://music.asu.edu/admissions/graduate-auditions ("https://music.asu.edu/admissions/graduateauditions").

## Contact Information:

Design \& the Arts, Herberger Institute for School of Music
https://music.asu.edu/degree-programs/conducting
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Music (Ethnomusicology), MA (FAETHNMA)

Online Degree Search Title: Ethnomusicology, MA
Campus: Tempe

## Program Description:

The MA in music with a concentration in ethnomusicology focuses on the scholarly study of musical traditions as sociocultural artifact, behavior and performance.

## Degree Requirements:

30 credit hours, a thesis, a written comprehensive exam, an oral comprehensive exam and a foreign language exam.

Required Core ( 13 credit hours)
MHL 532 Music Bibliography (3)
MHL 668 Introduction to Ethnomusicology (3)
MUP 587 Ethnomusicology Ensemble (2)
music theory (5)

Electives (9 credit hours)
music electives ( $6-9$ )
open electives ( $0-3$ )

Research (2 credit hours)
MHL 592 Research (2)

Culminating Experience (6 credit hours)
MHL 599 Thesis (6)

Additional Curriculum Information
MHL 592 Research is taken concurrently with the second semester of MUP 587 Ethnomusicology Ensemble (1).

At least 20 credit hours for the program must be in the field of ethnomusicology or related fields approved by the student's advisor, complemented by courses in music theory, performance and cultural anthropology as listed above. Appropriate elective coursework will be reviewed and approved by the academic unit prior to inclusion on the student plan of study. No more than three credit hours of musicology may apply to the music electives requirement.

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in courses for these programs through the ASU School of Music list above. This will be tracked internally within the academic unit.

A passing grade on the foreign language exam in French, German, Italian or Spanish is required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted under each degree here: https://music.asu.edu/degree-programs/graduate/. (https://music.asu.edu/degree-programs/graduate/)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution or from an international institution officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ ""A"") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- School of Music application (including a resume, personal statement and writing sample): https://music.asu.edu/admissions/grad/
(https://music.asu.edu/admissions/grad/)
three letters of recommendation
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency, https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

The School of Music does not offer conditional admission under any circumstances.Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or their equivalents) may be taken at ASU, at another accredited university or at a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MTC 125 Basic Music Theory
MTC 221 Music Theory: 18th Century
MTC 222 Music Theory: 19th Century
MTC 223 Music Theory: 20th Century
MHL 140 Music as Culture
MHL 341 Music History I
MHL 342 Music History II

Students should see the program website for application deadlines.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/musicology
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Music (Interdisciplinary Digital Media and Performance), DMA (FAINTDDMA)

Online Degree Search Title: Music (Interdisciplinary Dig. Media and Perf.), DMA

## Campus: Tempe

## Program Description

The DMA program in music with a concentration in interdisciplinary digital media and performance is designed for students who have interests and skills in unique cross sections of the arts and sciences.

The degree program expands the School of Music offerings to include areas beyond typical music coursework, allowing for more opportunities for digital sound and interactive projects. The program also allows the School of Music and its students to be actively involved in current developments in the ever-changing field of media and digital culture.

The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses are an invaluable asset to music students, with resources that complement existing and future courses in electronic music.

## Degree Requirements:

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (25-27 credit hours)
Music Theory Core Area (12-19)
Music History Core Area (6-15)

Concentration ( 33 credit hours)
MTC 523 Advanced Composition (6)
MTC 723 Advanced Composition (6)
Arts, Media and Engineering coursework (21)

Electives (9-11 credit hours)

Research ( 9 credit hours)
MTC 792 Research (9)

Culminating Experience (12 credit hours)
MTC 799 Dissertation (12)

Additional Curriculum Information
Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Concentration coursework for the Arts, Media and Engineering area must be from the AME prefix.

This program accepts up to 30 credit hours from a previously awarded master's degree with approval from the academic unit and the Graduate College that may be used towards the hours required for the elective and concentration coursework.

Additional information on degree requirements for all graduate music programs may be found on the check sheets posted here: https://music.asu.edu/degree-programs/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country and officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate (https://students.asu.edu/graduate)
- School of Music application (including a resume and personal statement): https://music.asu.edu/admissions/grad/
(https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- GRE or MAT scores
- prescreening portfolio: https://music.asu.edu/admissions/graduate-recordings-portfolios/ ("https://music.asu.edu/admissions/graduate-recordingsportfolios/")
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or IELTS overall band score of at least 6.5 , or Pearson Test of English score of at least 60.

Students should see the program website for application deadlines.

After receipt of complete application materials (including recommendation letters, transcripts and English proficiency requirements) and review of prescreening materials, an applicant may be invited for a live interview. Information about the interview may be found at https://music.asu.edu/admissions/graduate-auditions (https://music.asu.edu/admissions/graduate-auditions).

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/composition-theory
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Music (Music Composition), DMA (FACOMPDMA)

Online Degree Search Title: Music Composition, DMA
Campus: Tempe

## Program Description:

The DMA in music with a concentration in music composition is a professional degree program designed for outstanding students of composition who are preparing for professional careers, including teaching positions at the university level.

The concentration in music composition provides extensive faculty interaction as well as opportunities to develop advanced skills in traditional and contemporary compositional techniques. The opportunity to collaborate with music scholars, theorists, performers, educators and other composers provides students with a broad and well-rounded foundation for advanced careers in music.

## Degree Requirements:

90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The credit requirements for the degree are distributed as follows:
major area (composition, music technology, electives) ( 36 credit hours)
music theory and music history ( 30 credit hours)
research (12 credit hours)
dissertation (12 credit hours)

The music composition concentration requires the creation of a significant original work of music (considered to be a dissertation) and either two article-length research papers or a substantial paper.

## Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Thirty credit hours from a master's degree may be applied toward the 90 credit hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years in the program beyond the master's degree. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU

Additional information about degree requirements for all graduate music programs may be found on the check sheets: https://music.asu.edu/degree-programs/graduate/ (https://music.asu.edu/degree-programs/graduate/)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 semester hours or 90 quarter hours of a bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- School of Music application (including a resume and personal statement): https://music.asu.edu/admissions/grad/
(https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- prescreening portfolio
- GRE or MAT scores
- three letters of recommendation
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5 , or a Pearson Test of English score of at least 60.

Students should see the program website for application deadlines.

After receipt of complete application materials (including recommendation letters, transcripts and English proficiency) and review of prescreening materials, an applicant may be invited for an interview. Information about the interview may be found at https://music.asu.edu/admissions/graduateauditions (https://music.asu.edu/admissions/graduate-auditions).

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/composition-theory
MUSIC E167

## Music (Music Education), PHD (FAMUSEDPHD)

Online Degree Search Title: Music (Music Education), PhD
Campus: Tempe

## Program Description:

The PhD in music with a concentration in music education is a scholarly research degree. Graduates of this program typically serve as faculty members at colleges or universities. They become scholars, researchers, music and arts administrators, and public policy advisors to education and arts organizations and civic and governmental groups.

The music education doctoral program includes highly specialized study in music education, elective studies with scholars and artists in the School of Music and other schools in the Herberger Institute for Design and the Arts, and opportunities for transdisciplinary elective study with faculty in schools and colleges across the university. A plan of study is designed by the student in consultation with the faculty to support a research trajectory identified by the student.

Research conducted by students in the music education concentration aims to reexamine, interrogate and broaden discourse, practice and policy in music education, and to expand music and education scholarship by challenging methodological and disciplinary boundaries. The program concludes with dissertation research.

## Degree Requirements:

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (10 credit hours)
MSI 601 Contemporary Topics in Music Research (2)
MSI 602 Current Issues in Music Research (2)
MSI 755 Historical Research in Music (3)
MTC 520 Analytical Techniques (3)

Concentration (30 credit hours)

Electives (29 credit hours)

Research (6 credit hours)

Other Requirements (3 credit hours)
MUE 784 Internship (3)

Culminating Experience (12 credit hours)
MUE 799 Dissertation (12)

Additional Curriculum Information
Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Students should see the academic unit for a complete list of approved electives.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. A minimum of two semesters must be spent in continuous full-time residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the check-sheets: https://music.asu.edu/degreeprograms/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is $4.00=" \mathrm{~A}=$ ") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable
master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- School of Music application (including curriculum vitae, personal statement and a writing sample): https://music.asu.edu/admissions/grad/
(https://music.asu.edu/admissions/grad/)
- official transcripts
- teaching demonstration video
- GRE or MAT scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60. https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency)

Applications are accepted and reviewed on a rolling basis until all spaces are filled. Applicants are encouraged to apply as early as possible. Students should see the program website for more information on application deadlines. To ensure prompt processing of application, students should email MusicAdmissions@asu.edu (mailto:MusicAdmissions@asu.edu) after submitting an application. An interview with the music education doctoral faculty in person or via electronic media is scheduled after review of application materials. GRE or MAT scores may be submitted after deadlines, but these must be received before enrollment at ASU.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/music-education
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Music (Musicology), MA (FAMHISTMA)

Online Degree Search Title: Music (Musicology), MA
Campus: Tempe

## Program Description:

The MA program in music with a concentration in musicology focuses on the scholarly study of musical style, musical terminology, reception, historiography, biography and transdisciplinary topics. Faculty provide and participate in multisensory learning experiences concerning forms and genres, performance practices, instruments, spaces, philosophies, musical infrastructures and geographic locations.

## Degree Requirements:

30 credit hours, a thesis, a written comprehensive exam, an oral comprehensive exam and a foreign language exam.

Required Core ( 14 credit hours)
MHL 532 Music Bibliography (3)
MHL 691 Seminars (6)
music theory (5)

Electives (8 credit hours)
music electives (5-8)
open electives (0-3)

Other Requirement (2 credit hours)
performance ensembles (2)

Culminating Experience (6 credit hours)
MHL 599 Thesis (6)

Additional Curriculum Information
these programs through the ASU School of Music. This will be tracked internally within the academic unit.

At least 20 credit hours of this program must be in the field of music history and literature.

Appropriate elective coursework will be reviewed and approved by the academic unit prior to inclusion on the student's plan of study. Students may not apply more than three credit hours of ethnomusicology courses toward their plan of study.

A passing grade on the foreign language exam in French, German, Italian or Spanish is required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the check sheets: https://music.asu.edu/degreeprograms/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- School of Music application (including a resume, personal statement and writing sample): https://music.asu.edu/admissions/grad/ (https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60. https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency)

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or their equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture
MHL 341 Music History I
MHL 342 Music History II
MTC 125 Basic Music Theory
MTC 221 Music Theory: 18th Century
MTC 222 Music Theory: 19th Century
MTC 223 Music Theory: 20th Century

Students should see the program website for application deadlines.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/musicology
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069
Music (Musicology), PHD (HIMUSMPHD)

## Program Description:

The PhD program in music with a concentration in musicology focuses on the scholarly study of music in historical contexts and on musical traditions as sociocultural artifact as well as on behavior and performance.

Students explore and engage in multisensory learning experiences concerning forms and genres, performance practices, instruments, spaces, philosophies, musical infrastructures and geographic locations.

Coursework includes specialized study in musicology, support studies with scholars and artists in the School of Music, the Herberger Institute for Design and the Arts, and opportunities for transdisciplinary study with faculty in schools and institutes across ASU. A plan of study is designed by the student with the faculty to support an individualized research trajectory. Research conducted by students in the doctoral program in musicology aims to examine and interrogate the discipline of musicology and to expand the traditional boundaries of music scholarship by challenging methodological and disciplinary boundaries. The program concludes with a dissertation.

## Degree Requirements:

90 credit hours, a written comprehensive exam, an oral comprehensive exam, and a dissertation.

Required Core (10 credit hours)
MSI 601 Contemporary Topics in Music Research (2)
MSI 602 Current Issues in Music Research (2)
MSI 755 Historical Research in Music (3)
MTC 520 Analytical Techniques (3)

Concentration (15 credit hours)
MHL 632 Applied Musicology (3)
MHL 668 Introduction to Ethnomusicology (3)
MHL 691 Seminars (9)

Electives and Research (17 credit hours)

Other Requirement (6 credit hours)
MHL 684 Internship (6)

Culminating Experience (12 credit hours)
MHL 799 Dissertation (12)

Additional Curriculum Information
Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Students take three seminars for three credit hours each for the concentration. Equivalent courses may be used with preapproval by the student's faculty advisor. No more than six credit hours outside of the School of Music may apply to this requirement.

Students should see the academic unit for a complete list of approved electives and research courses.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. Students entering the program without an earned MA degree will complete the requirements for the Master of Arts in music with a concentration in ethnomusicology or music history and literature.

Additional information on degree requirements for all graduate music programs may be found on the check-sheets: https://music.asu.edu/degreeprograms/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U. S. bachelor's degree in music or a graduate degree from an accredited college or university of recognized standing in music history, musicology, ethnomusicology or music theory.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- School of Music application (including curriculum vitae, two-page personal statement expressing the goal in pursuing this degree and two writing samples): https://music.asu.edu/admissions/grad/ (https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency). In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60

Two writing samples must be submitted with the School of Music application. It's preferable that each of these samples be a paper from an upperlevel undergraduate course or a graduate course, or an article or document written by the applicant.

Students should see the program website for application deadlines.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/musicology
MUSIC E167
MusicAdmissions@asu.edu
460-965-5069

## Music (Performance), DMA (FAPERFDMA)

Online Degree Search Title: Music Performance, DMA
Campus: Tempe

## Program Description:

The DMA in music with a concentration in performance is a professional degree program for advanced musicians desiring high levels of performance instruction and experience as well as preparation for teaching positions at the university level. The program provides extensive faculty and guest artist interaction and opportunities to develop advanced skills in traditional and contemporary pedagogy. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

## Degree Requirements:

90 credit hours, a research paper, a written comprehensive exam, an oral comprehensive exam and two foreign language exams, or 90 credit hours, a research paper, a written comprehensive exam, and an oral comprehensive exam.

The credit requirements for the degree are distributed as follows:
major area (studio instruction, courses in concentration) (39 credit hours)
music history and music theory ( 27 credit hours)
recitals and research ( 24 credit hours)

The performance concentration requires at least three recitals after admission to the program and a research paper or project. Five recitals are required for the collaborative piano track.

## Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Thirty credit hours from a master's degree may be applied toward the 90 credit hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years in the program beyond the bachelor's degree. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 credit hours must be completed in residence at ASU.

Vocalists: Placement tests in both foreign language diction and sight-singing are required upon entry into the program. Students who are judged to be deficient in diction are required to complete and pass a course in advanced diction. Students who are judged to be deficient in sight-singing are required to complete and pass the Musicianship for Singers course.

Additional information about degree requirements for all graduate music programs may be found on the check sheets:
https://music.asu.edu/degree-programs/graduate/ (https://music.asu.edu/degree-programs/graduate/)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country. Students seeking admission typically hold a Master of Music degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in a Master of Music program.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- School of Music application (including a resume, personal statement and repertoire list): https://music.asu.edu/admissions/grad/
(https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- prescreening recording
- piano pedagogy applicants: teaching demonstration video
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Students should see the program website for application deadlines.

After the applicant's complete application materials are received (including recommendation letters, transcripts and English proficiency) and a review has been conducted of prescreening materials, an applicant may be invited for a live audition. Information about the audition may be found at https://music.asu.edu/admissions/graduate-auditions (https://music.asu.edu/admissions/graduate-auditions).

## Contact Information:

Design \& the Arts, Herberger Institute for School of Music
https://music.asu.edu/degree-programs
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Music Education, MM (FAMUSEDMM)

Online Degree Search Title: Music Education, MM
Campus: Tempe

## Program Description:

The MM program in music education is designed for individuals interested in music teaching and learning in public and private schools, community education settings, early childhood programs and adult education. Practicing teachers as well as community musicians and music educators interested in advanced studies in music teaching and learning may enroll.

Students may elect courses in each part of the degree program and can design a course of study that meets their specific interests and needs. The program provides opportunities to study full time, part time (through evening courses), in the summers only, or by combining full-time, part-time and summer study. Full-time students may complete the program in as little as one year.

## Degree Requirements:

32 credit hours and a written comprehensive exam.

The degree credit requirements are distributed as follows:
music education core (10 credit hours)
musicianship core (10 credit hours)
specialization (12 credit hours)

## Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Six credit hours may be transferred from another regionally accredited graduate institution. Up to nine credit hours may be taken prior to admission.

As part of the portfolio, students will also have to participate in an oral review that will be monitored internally by the academic unit.

Additional information about degree requirements for all graduate music programs may be found on the check sheets: https://music.asu.edu/degree-programs/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have achieved a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program.

All applicants must submit:

- online graduate admission application and application fee
- School of Music application (including a resume): https://music.asu.edu/admissions/grad/ (https://music.asu.edu/admissions/graduate-steps-toapply)
- official transcripts
- three letters of recommendation
- proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency)


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or the equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture
MHL 341 Music History I
MHL 342 Music History II
MTC 125 Basic Music Theory
MTC 221 Music Theory: 18th Century
MTC 222 Music Theory: 19th Century
MTC 223 Music Theory: 20th Century

Applications are accepted until all spaces are filled and are reviewed on a rolling basis. Applicants are encouraged to apply as early as possible and should see the program website for more information about application deadlines. To ensure prompt processing of application, applicants should email MusicAdmissions@asu.edu (mailto:MusicAdmissions@asu.edu) after submitting an application.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/music-education
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Music Theory Pedagogy (Certificate), Certificate (HIMTPGRCT)

Online Degree Search Title: Music Theory Pedagogy (Graduate Certificate)
Campus: Tempe

## Program Description:

This certificate program in music theory pedagogy offers specialized study in music theory to help prepare students to teach undergraduate courses in fundamentals, harmony, musicianship and basic form analysis. Completion of this certificate indicates that the student is prepared to offer instruction in basic music theory at the college level. The certificate may be pursued concurrently with enrollment in a master's degree program or doctoral degree program in the School of Music.

## Degree Requirements:

15 credit hours.

Required Core ( 3 credit hours)
MTC 525 Pedagogy of Theory (3)

Other Requirement (3 credit hours)
MTC 584 Internship (3)

Electives (9 credit hours)

Additional Curriculum Information
Completion of diagnostic examinations in music history and music theory, administered by the School of Music, is required of all new graduate music students before enrolling in any graduate academic courses towards the certificate program.

Electives are selected with advisor approval from MTC courses in analytical topics. Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Students who are interested in this certificate should email the academic unit prior to submitting an official application, to express their interest in the certificate.

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's degree in music or music education from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country. Other majors may be considered if applicants submit transcripts showing formal study in music theory and musicianship at least equivalent to what is required of ASU's undergraduate music majors (MHL 140, MHL 341 and MHL 342, MTC 125, MTC 221, MTC 222, and MTC 223). The music theory faculty will review transcripts for equivalency. In some cases, course descriptions or syllabi may be required to verify equivalency.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in any applicable graduate work.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- samples of work
- statement of interest
- proof of English language proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances.

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English score of at least 60

Official transcripts must show a completed bachelor's degree from a regionally accredited institution in the U.S. or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country. Also, if applicable, transcripts showing all coursework in music at the graduate level are required. The committee supervising this certificate program will consider an applicant's undergraduate record (and graduate record if appropriate) in music theory, evaluating courses taken and grades received. A minimum GPA of 3.00 in these courses is required. International students applying to this certificate must also be in a degree program at ASU.

Applicants will submit a statement of interest offering reasons for applying to the certificate program and describing their experience and coursework in music theory. The essay should also indicate the applicant's level of piano proficiency (a necessary classroom skill) through a description of their study and their experience in keyboard performance.

Applicants also will be asked to show proficiency in music theory by submitting samples of work, such as analytical papers and examples of music writing (harmonic part-writing or counterpoint exercises).

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/composition-theory
MUSIC E167
musicadmissions@asu.edu
480-965-5069

## Music Therapy, MM (FAMTHERMM)

Online Degree Search Title: Music Therapy, MM
Campus: Tempe

## Program Description:

The MM program in music therapy provides students with graduate-level study in the theory, practice and research of music therapy. There is a two-year track for people who have completed either the undergraduate music therapy degree or its equivalent and who are board-certified or hold a similar international music therapy credential. Additionally, ASU offers a three-year track for people who have an undergraduate degree in music but not in music therapy.

The master's degree program fosters an expanded research perspective in music therapy, emphasizing community partnerships and program development with a concentration in the student's area of choice, drawing from a number of possible options. Cognate areas include counseling and counseling psychology, special education, gerontology, social work, audiology and speech-language, or other areas of choice from the many options. The program culminates in either a clinical project or a thesis.

## Degree Requirements:

33 credit hours including the required applied project course (MUE 586), and a written comprehensive exam, or 33 credit hours, a thesis and a written comprehensive exam, or 63 credit hours including the required applied project course (MUE 586), and a written comprehensive exam, or 63 credit hours, a thesis and a written comprehensive exam.

The degree credit requirements for the two-year track are distributed as follows:
music therapy core (16 credit hours)
other studies in music (8 credit hours)
clinical cognate ( 9 credit)

Three-Year Track: In addition to the requirements stated above, the three-year track requires 30 credit hours of deficiency coursework for a total of 63 credit hours, including completion of an internship required for certification.

## Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate-level music students prior to enrollment in the ASU School of Music

Additional information about degree requirements for all graduate music programs may be found on the check sheets: https://music.asu.edu/degree-programs/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree in music or music therapy from a regionally accredited institution or the equivalent of a U.S. bachelor's or master's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- School of Music application (including a resume and personal statement): https://music.asu.edu/admissions/graduate-steps-to-apply
(https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

All applicants are required to perform a live audition or submit an audition recording: https://music.asu.edu/admissions/graduate-auditions (https://music.asu.edu/admissions/graduate-auditions). Auditions are scheduled only after complete application materials have been received.

Applicants to the three-year track must complete the prerequisite courses listed below, which are not a part of the coursework for the MM program in music therapy (three-year track) but are required for eligibility to sit for the board-certification exam (www.cbmt.org (http://www.cbmt.org)). These prerequisites may be taken during undergraduate study, at a community college or other university before beginning the Master of Music program in music therapy (three-year track), during summer sessions at ASU, or online through an accredited institution recognized by ASU. An applicant is eligible to apply to the Master of Music program in music therapy (three-year track) while completing these prerequisites and may finish these courses during their first year in the music therapy program, although this additional work may present a hardship. The prerequisite courses must be completed before a student begins the internship at the end of their first year of study at ASU, unless prior arrangements have been made.
Completing the prerequisite courses prior to beginning the Master of Music program in music therapy (three-year track) is highly recommended.

## - Introduction to Psychology

- Abnormal Psychology
- Overview of Exceptional Children/Special Education

Applications are accepted until all spaces are filled and reviewed on a rolling basis. Applicants are encouraged to apply as early as possible and should see the program website for more information on application deadlines. To ensure prompt processing of application, applicants should email MusicAdmissions@asu.edu (mailto:MusicAdmissions@asu.edu) after submitting an application. An in-depth interview emphasizing the applicant's music therapy philosophy, research activities and clinical interests will be scheduled after receipt of complete application materials. A phone interview may be arranged.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/music-therapy
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Performance (Collaborative Piano), MM (FACPIANOMM)

Online Degree Search Title: Piano, Collaborative, MM
Campus: Tempe

## Program Description:

Students in the MM program in performance with a concentration in collaborative piano perform with all instrumental areas and voice, focusing on collaborative endeavors such as art song recitals, instrumental duos and chamber music, operatic productions and participation in our large
ensembles. Students refine specific pianistic skills while developing the knowledge and abilities to be skilled and sensitive musical collaborators. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and wellrounded foundation for advanced careers in music.

## Degree Requirements:

32 credit hours and a written comprehensive exam.

The degree credit requirements are distributed as follows:
collaborative piano and performance (including four recitals) (18 credit hours)
music history, music theory and electives (14 credit hours)

At least one year of college-level coursework in either French, German or Italian and at least one of the following are required:

- one semester of diction in each of the two other languages
- one semester of language instruction in each of the two other languages


## Additional Curriculum Requirements

Language deficiencies must be made up during the first year of study.

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information on degree requirements for all graduate music programs may be found on the check sheets: https://music.asu.edu/degreeprograms/graduate/ (https://music.asu.edu/degree-programs/graduate/),

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- School of Music application (including a resume, personal statement and repertoire list): https://music.asu.edu/admissions/graduate-steps-toapply (https://music.asu.edu/admissions/graduate-steps-to-apply)
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Applicants must perform an audition for admission. Auditions are scheduled following receipt of complete application materials. Information about the audition may be found at https://music.asu.edu/admissions/graduate-auditions (https://music.asu.edu/admissions/graduate-auditions).

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or the equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture
MHL 341 Music History I
MHL 342 Music History II
MTC 125 Basic Music Theory

MTC 221 Music Theory: 18th Century
MTC 222 Music Theory: 19th Century
MTC 223 Music Theory: 20th Century

Applicants should see the program website for application deadlines. After an applicant's completed application materials have been received (including recommendation letters, transcripts and English proficiency), the applicant will be confirmed for a live audition.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/piano
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Performance (Conducting), MM (HIPERCOMM)

Online Degree Search Title: Performance (Conducting), MM
Campus: Tempe

## Program Description:

The MM in performance with a concentration in conducting presents conductors of orchestras or wind bands the opportunity to improve their art, craft and scholarship in pursuit of both professional and academic career aspirations. It is also appropriate for for public school teachers of orchestras and wind bands who want to strengthen their skills.

There are two tracks within this concentration. The wind band track is designed to meet the needs of the conductor focusing on band conducting. Required courses are specific to conducting wind bands and elective courses can be taken for further band study. The orchestral track is designed to meet the needs of the conductor focusing on orchestral conducting. Required courses are specific to orchestral conducting and elective courses provide additional opportunities for further orchestral study.

## Degree Requirements:

32 credit hours including a written exam and the required capstone courses (MUP 596 and MUP 597).

Wind Band Track
Required Core (14 credit hours)
Required Track (11-12 credit hours)
Electives or Research (4-5 credit hours)

Orchestral Track
Required Core (15 credit hours)
Required Track (11-12 credit hours)
Electives or Research (3-4 credit hours)

Culminating Experience (2 credit hours)
MUP 596 Solo Performance (1)
MUP 597 Solo Performance (1)

Additional Curriculum Requirements
Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information on degree requirements for all graduate music programs may be found on the check sheets: https://music.asu.edu/degreeprograms/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree
program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- School of Music application (including a resume, personal statement and repertoire list): https://music.asu.edu/admissions/graduate-steps-to-
apply (https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- prescreening video
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5 , or a Pearson Test of English score of at least 60 .

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or their equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture
MHL 341 Music History I
MHL 342 Music History II
MTC 125 Basic Music Theory
MTC 221 Music Theory: 18th Century
MTC 222 Music Theory: 19th Century
MTC 223 Music Theory: 20th Century

Applicants should see the program website for application deadlines. After an applicant's complete application materials have been received (including recommendation letters, transcripts and English proficiency requirements) and a review has been conducted of prescreening materials, the applicant may be invited for a live audition. Information about the audition component may be found at https://music.asu.edu/admissions/graduate-auditions ("https://music.asu.edu/admissions/graduate-auditions").

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/conducting
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Performance (Music Theatre/Opera Performance), MM (FAMUTPOMM)

Online Degree Search Title: Music Theatre/Opera Performance, MM
Campus: Tempe

## Program Description:

The MM program in performance with a concentration in musical theatre and opera performance provides students the opportunity to choose from three specific emphases: opera, musical theatre or music direction. Regardless of the emphasis, students have ample opportunities to study both musical theatre and opera.

The Master of Music concentration in opera provides intensive practical training and performance experience to prepare students for professional careers in opera. In addition to studio voice instruction and advanced work in acting, movement, audition techniques, career skills and vocal coaching, students study standard and contemporary operatic repertoire and are required to perform roles in at least two ASU opera and musical theatre productions

The Master of Music concentration in musical theatre provides intensive practical training and performance experience to prepare students for professional careers as musical theatre artists. In addition to studio voice instruction and advanced work in acting, dance, movement, audition techniques, career skills and vocal coaching, students study repertoire from the traditional and contemporary musical theatre canon and are required to perform roles in at least two ASU opera and musical theatre productions.

The Master of Music concentration in music direction is geared toward aspiring conductors with strong keyboard or piano skills who are eager to learn the wide range of skills necessary for a successful career as a professional music director. This competitive program admits only one student per year and includes study of both opera and musical theater repertoire. Students in this program must conduct two productions during their studies at ASU. Since 1991, the graduates of this program have had a remarkable record of success, whether working in academia, pursuing further conducting study, or as professional music directors on or off Broadway and the world over.

## Degree Requirements:

32 credit hours and a written comprehensive exam.

The credit requirements for the concentrations in music theatre performance and opera performance are distributed as follows:
studio instruction (8 credit hours)
courses in specified emphasis (12 credit hours)
music history, music theory and electives (12 credit hours)

Opera Emphasis: Sixteen credit hours or four semesters of college-level credit in more than one foreign language, chosen from French, German or Italian, are required for graduation. In addition, placement tests in both foreign language diction and sight-singing are required upon entry into the program. Students who are judged to be deficient in diction are required to complete and pass a course in advanced diction. Students who are judged to be deficient in sight-singing are required to complete and pass the Musicianship for Singers course.

Music Theatre Emphasis: A placement test in sight-singing is required upon entry into the program. Students who are judged to be deficient in sightsinging are required to complete and pass the Musicianship for Singers course.

The credit requirements for the degree in music theatre performance direction are distributed as follows:
piano studio instruction ( 4 credit hours)
courses in emphasis ( 15 credit hours)
music history, music theory and electives (13 credit hours)

## Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information about degree requirements for all graduate music programs may be found on the check sheets:
https://music.asu.edu/degree-programs/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions
("https://students.asu.edu/graduate/admissions")
- School of Music application (including a resume, personal statement and repertoire list): https://music.asu.edu/admissions/graduate-steps-toapply (https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- prescreening video
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5 , or a Pearson Test of English score of at least 60 .

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or the equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture
MHL 341 Music History I
MHL 342 Music History II
MTC 125 Basic Music Theory
MTC 221 Music Theory: 18th Century
MTC 222 Music Theory: 19th Century
MTC 223 Music Theory: 20th Century

Students should see the program website for application deadlines. After an applicant's complete application materials have been received (including recommendation letters, transcripts and proof of English proficiency) and review has been conducted of prescreening materials, the applicant may be invited for a live audition. Information about the audition may be found at https://music.asu.edu/admissions/graduate-auditions (https://music.asu.edu/admissions/graduate-auditions).

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/opera-musical-theatre
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Performance (Performance Pedagogy), MM (FAPPEDMM)

Online Degree Search Title: Performance Pedagogy, MM
Campus: Tempe

## Program Description:

The MM program in performance with a concentration in performance pedagogy concentrates on the performance and teaching of Western art music, with an emphasis on pedagogy. Students work on specific performance skills while developing the knowledge and abilities to be music pedagogues in their area. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

Over the course of the program, the candidate will prepare two recitals: one solo or lecture recital and one studio recital by the candidate's laboratory pupils.

## Degree Requirements:

32 credit hours and a written comprehensive exam.

The credit requirements for the degree are distributed as follows:
studio instruction (8 credit hours)
concentration courses, including one solo or lecture recital and one studio recital ( $8-12$ credit hours)
music history, music theory and electives (12-16 credit hours)

Vocalists: Sixteen credit hours or four semesters of college-level credit in more than one foreign language, chosen from French, German or Italian, are required for graduation. In addition, placement tests in both foreign language diction and sight-singing are required upon entry into the program. Students who are judged to be deficient in diction are required to complete and pass a course in advanced diction. Students who are judged to be deficient in sight-singing are required to complete and pass the Musicianship for Singers course.

Additional Curriculum Requirements
Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Additional information on degree requirements for all graduate music programs may be found on the check sheets: https://music.asu.edu/degreeprograms/graduate/ (https://music.asu.edu/degree-programs/graduate/).

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- School of Music application (including a resume, personal statement and repertoire list): https://music.asu.edu/admissions/graduate-steps-toapply (https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- three letters of recommendation
- voice applicants: a prescreening video
- piano applicants: a teaching demonstration video
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5, or a Pearson Test of English score of at least 60.

Applicants must perform an audition for admission. Auditions are scheduled following receipt of complete application materials (and favorable review of prescreening materials, when applicable). Information about the audition may be found at https://music.asu.edu/admissions/graduateauditions (https://music.asu.edu/admissions/graduate-auditions).

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or the equivalents) may be taken at ASU, another accredited university or a community college before or after admission to this program, but they must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture
MHL 341 Music History I
MHL 342 Music History II
MTC 125 Basic Music Theory
MTC 221 Music Theory: 18th Century
MTC 222 Music Theory: 19th Century
MTC 223 Music Theory: 20th Century

Voice applicants: Students should see the program website for application deadlines. After receipt of complete application materials (including recommendation letters, transcripts and proof of English proficiency) and review of prescreening materials, an applicant may be invited for a live audition.

Instrumental and keyboard applicants: Students should see the program website for application deadlines. After an applicant's complete application materials have been received (including recommendation letters, transcripts and proof of English proficiency), the applicant will be confirmed for a live audition

## Contact Information:

Design \& the Arts, Herberger Institute for School of Music https://music.asu.edu/degree-programs MUSIC E167 MusicAdmissions@asu.edu
480-965-5069
Performance (Performance), MM (FAPERF3MM)
Online Degree Search Title: Music Performance, MM
Campus: Tempe

## Program Description:

The MM program in performance concentrates on the performance and teaching of Western art music, with an emphasis in performance. Students work on specific skills for their instruments while developing the knowledge and abilities to become leaders in the music community. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

## Degree Requirements:

32 credit hours and a written comprehensive exam.

The credit hour requirements for the degree are distributed as follows:
studio instruction (8 credit hours)
concentration courses (including two public performances) (8-9 credit hours)
music history, music theory and electives (15-16 credit hours)

## Additional Curriculum Requirements

Completion of diagnostic exams in music history and music theory is required of all new graduate music students prior to enrollment in the ASU School of Music.

Vocalists: Sixteen credit hours or four semesters of college-level credit in more than one foreign language, chosen from French, German or Italian, are required for graduation. In addition, placement tests in both foreign-language diction and sight-singing are required upon entry into the program. Students who are judged to be deficient in diction are required to complete and pass a course in advanced diction. Students who are judged to be deficient in sight-singing are required to complete and pass the Musicianship for Singers course.

Additional information about degree requirements for all graduate music programs may be found on the check sheets: https://music.asu.edu/degree-programs/graduate/ (https://music.asu.edu/degree-programs/graduate/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an institution in another country that is officially recognized by that country

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee: https://students.asu.edu/graduate/admissions (https://students.asu.edu/graduate/admissions)
- School of Music application (including a resume, personal statement and repertoire list): https://music.asu.edu/admissions/graduate-steps-toapply (https://music.asu.edu/admissions/graduate-steps-to-apply)
- official transcripts
- prescreening video (voice applicants)
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency). The School of Music does not offer conditional admission under any circumstances. In order to meet English proficiency requirements, students should have a TOEFL score of at least 550 (PBT) or 80 (iBT), or an IELTS overall band score of at least 6.5 , or a Pearson Test of English score of at least 60 .

Applicants must perform an audition for admission. Auditions are scheduled following receipt of completed application materials (and favorable review of prescreening materials, when applicable). Information about the audition may be found at https://music.asu.edu/admissions/graduateauditions (https://music.asu.edu/admissions/graduate-auditions).

Although a bachelor's degree in music is not required to be eligible for admission, applicants who do not hold an undergraduate degree in music are required to complete the deficiency courses listed below, which are not a part of the coursework for this graduate degree in music. These courses (or their equivalents) may be taken at ASU, another accredited university or a community college, and they may be taken before or after admission to this program but must be completed prior to commencement of graduate-level course requirements in music history and music theory.

MHL 140 Music as Culture
MHL 341 Music History I
MHL 342 Music History II
MTC 125 Basic Music Theory
MTC 221 Music Theory: 18th Century
MTC 222 Music Theory: 19th Century
MTC 223 Music Theory: 20th Century
Voice Applicants: Students should see the program website for application deadlines. After receipt of completed application materials (including recommendation letters, transcripts and proof of English proficiency) and review of prescreening materials, an applicant may be invited for a live audition.

Instrumental and Keyboard Applicants: Students should see the program website for application deadlines. After an applicant's complete application materials have been received (including recommendation letters, transcripts, and proof of English proficiency), the applicant will be confirmed for a live audition.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Socially Engaged Practice in Design and the Arts (Certificate), Certificate (HISEPGRCT) <br> Online Degree Search Title: Socially Engaged Practice in Design and the Arts (Graduate Certificate) <br> Campus: Tempe

## Program Description:

Socially engaged practice centers around participation, reciprocal relationships and collaborations in which arts and design promote civic dialogue and investigate pressing issues of our time. This certificate program provides a theoretical framework, rigorous training and field experience in arts and design in civic and applied settings. With a focus on collaborative and cross-disciplinary approaches, students engage in meaningful ways in community settings in the metropolitan Phoenix area, pushing their personal artistry and creative capacities.

## Degree Requirements:

15 credit hours including the required applied project course (ART 593 or AME 593 or DCE 593, or DCE 693, or DSC 593 or DSC 693, or MUP 593 or MUP693, or THP 593 or THP 693).

Required Core (6 credit hours)
ART 542 Art and Community (3) or THP 514 Projects in Community-Based Theatre (3)
HDA 510 Design and the Arts Corps Seminar (3)
Electives (6 credit hours)

Culminating Experience (3 credit hours)
Applied Project (3)
Additional Curriculum Information
The applied project is a 593 course in AME, DCE, DSC, MUP, THP or a 693 course in DCE, DSC, MUP or THP.
Students should see the academic unit for appropriate elective coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.
Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent
- written recommendation or nomination letter
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students must maintain a 3.50 GPA in the certificate program.

No admission examinations are required.

## Contact Information:

Design \& the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/degree-programs/socially-engaged-practice-design-and-arts-certificate
GHALL 132
HerbergerSEP@asu.edu
480-965-5337
Theatre, MA (FATHEAMA)
Online Degree Search Title: Theatre, MA
Campus: Tempe

## Program Description:

The MA program in theatre introduces students to graduate study in the field of theatre and performance studies and provides a broad base of knowledge in the areas of history and historiography, theory, literature and dramaturgy, and practice. Students will have the opportunity to tailor their plan of study to specific research and artistic subject areas and will prepare a research thesis as the culmination of their studies.

The program is designed for those who wish to later enter a PhD program, for K-12 educators seeking to expand and amplify their expertise, and for those seeking to advance their knowledge of theatre and performance studies.

## Degree Requirements:

30 credit hours, a thesis and a written comprehensive exam.

Required Courses (15 credit hours)

Electives (9 credit hours)

Culminating Experience (6 credit hours)
THE 599 Thesis (6)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current curriculum vitae
- sample of scholarly writing
statement of purpose
- GRE general scores
- three letters of recommendation from professionals familiar with the applicant's work
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

The statement of purpose should address the student's background and experiences as they relate to the student's reasons for pursuing the doctorate, describe the student's research interests and indicate future career goals.

GRE subject scores are optional

Applicants should see the program website for application deadlines.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337

## Theatre (Arts Entrepreneurship and Management), MFA (HITHEAEMFA)

Online Degree Search Title: Theatre (Arts Entrepreneurship and Management), MFA
Campus: Tempe

## Program Description:

The MFA program in theatre with a concentration in arts entrepreneurship and management teaches the skills of arts entrepreneurship, arts management and arts marketing within the context of the Master of Fine Arts degree in theatre, also grounding students in theories of performance, community-based arts, and theatre history and literature. Thus, students develop a holistic understanding of the role of arts managers as enablers of art-making. Students can earn a concurrent certificate in nonprofit leadership and management

## Degree Requirements:

60 credit hours including the required applied project course (THP 693), a practicum and an oral comprehensive exam.

Required Core (15 credit hours)

Concentration (27 credit hours)

Electives or Research (12 credit hours)

Other Requirements (3 credit hours)
THP 680 Practicum (2)
THP 684 Internship (1)

Culminating Experience (3 credit hours)
THP 693 Applied Project (3)

Additional Curriculum Information
Twelve elective credit hours are required for the 60-credit Master of Fine Arts. However, if students elect to pursue the NLM certificate concurrently, then they will need to take an additional three-credit elective course in the nonprofit leadership and management program to complete the certificate and degree requirements.

THP 680 is a one credit hour course students are required to take twice.

As part of the applied project requirement, students must submit a written document. An oral defense is also required.

Students should see the academic unit for a complete list of approved electives and required coursework for the core and concentration.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.
institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

In addition, the School of Film, Dance and Theatre requires a minimum of 30 undergraduate credit hours of coursework in theatre, film, dance, music, art or business with a minimum GPA of 3.20 overall.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
resume
- three letters of recommendation from professionals who can speak to the potential for success in arts entrepreneurship or management
- sample of critical writing, such as a term paper or research project (in lieu of GRE scores)
- statement of educational and professional objectives
- sample of materials indicative of the candidate's potential to succeed as an arts entrepreneur or manager that might include but are not limited to publicity materials, marketing plans, budgets, stage management prompt books, grant proposals, business plans
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Interviews may be conducted on campus or remotely

Applicants should see the program website for application deadlines and admission terms.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337

## Theatre (Directing), MFA (FADIRMFA)

Online Degree Search Title: Theatre (Directing), MFA
Campus: Tempe

## Program Description:

The MFA in theatre with a concentration in directing is a program for students who demonstrate serious purpose, professional aspirations, theatrical daring and the desire to explore new work in collaborating with playwrights and in the devising and creation process. Respect for fellow artists and a desire to learn about how all the parts fit together are essential qualities in the successful candidate and, indeed, the successful director. Students are introduced to varied critical viewpoints from select artists and scholars. A hands-on, mentor-student approach is emphasized, with the intent of developing the skill, artistry and communication skills required to be an excellent professional director.

## Degree Requirements:

60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project. Practical directing and directing classes are approximately 50 percent of the coursework. Classes also include:

- acting: viewpoints and composition
- assistant directing for a professional or faculty director working on the main stage
- design collaboration
- directing the new play
dramatic theory and criticism
- dramaturgy
- performance technology
- projects in community-based drama
- re-envisioning
- research methods
- solo performance
theatre for social change
- theatre history and literature
- theatre organization and management

MFA directors will direct a new work every year. Major assignments may include:

- creating and directing an adaptation of an existing work
- directing a new play by a Master of Fine Arts playwright
- directing one applied project in the main-stage season
- guiding an ensemble in the devising process and directing the resulting devised piece

Directing faculty mentor all student projects. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional internship is required for each Master of Fine Arts director

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- current resume
- written directorial approach to a play selected by the reviewing committee
- three letters of reference from professionals familiar with the student's work
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A personal interview is required. Interviews via phone or campus visit are available by appointment.

Admission to the directing, performance and performance design concentrations is cohort-based, and the program recruits every three years. The next round of applications will not be due until early 2020. Interested students should check back for updates.

Students should see the program website for application deadlines and admission terms.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337

## Theatre (Dramatic Writing), MFA (FADRWRTMFA)

Online Degree Search Title: Theatre (Dramatic Writing), MFA
Campus: Tempe

## Program Description:

The concentration in dramatic writing under the MFA in theatre will include coursework in playwriting, screenwriting, historical studies in theatre, dramatic theory, directing new work, literary management, electives and related topics such as writing for solo performance, storytelling, devising and collaborative writing.

The School of Film, Dance and Theatre's support for the production of new plays and performance works written by its Master of Fine Arts students is an aspirational model for other institutions. Student-written work is included in the Theatre Labs and is considered for main stage productions.

## Degree Requirements:

60 credit hours including the required applied project course (THP 693).

Required Core (27 credit hours)
THE 500 Research Methods (3)
THE 504 Studies in Dramatic Theory and Criticism (3)
THE 520 Theatre History and Literature (3)
THP 560 Dramatic Writer's Workshop
THP 561 Scripts in Progress (3)

Concentration (9 credit hours)
THE 562 Literary Management Workshop (3)
THP 520 Directing the New Play (3)
THP 598 Special Topics (3)

Electives (18 credit hours)

Culminating Experience (6 credit hours)
THP 693 Applied Project (6)

Additional Curriculum Information
As part of the electives coursework, students are required to complete an internship (THP 684) for three credit hours

Students should see the academic unit for a complete list of approved electives.

The student will write a thesis play as the applied project, which will be developed as one of the following:

- a full production on the school's main stage
- a staged reading
- a workshop production


## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in theatre or in creative writing from a regionally accredited institution. An applicant may have an undergraduate degree outside of theatre or film and may be admitted on the basis of excellent creative writing and academic work. Deficiencies in undergraduate preparation may be removed while pursuing the MFA degree.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- current resume
- statement of career goals
- profile of applicant's writing endeavors or interests
- manuscript sample of either a full-length play (60 pages or more) or a series of one-act plays ( 30 pages minimum)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337

## Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)

Online Degree Search Title: Theatre (Interdisciplinary Digital Media), MFA
Campus: Tempe

## Program Description:

This concentration in interdisciplinary digital media within the MFA graduate program in theatre is offered through the School of Film, Dance and Theatre in collaboration with the School of Arts, Media and Engineering. It focuses on the growing importance of digital media as a way of making and thinking about art. School of Arts, Media and Engineering courses and research activities prepare students to become sophisticated developers, makers, evaluators and entrepreneurs of digital media while at the same time completing a sequence of core courses in theatre.

## Degree Requirements:

60 credit hours including the required applied project course (THP 693).

The degree requirements are:

Core School of Arts, Media and Engineering courses, to be selected in consultation with each student's School of Arts, Media and Engineering graduate advisor (minimum of 18 credit hours)
Research and applied project ( 15 credit hours)
Core courses in theatre theory, history and practice (27 credit hours)

The overall course of study is developed with the advisor to ensure a breadth of transdisciplinary knowledge.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee.
- official transcripts
- current resume
statement of purpose
- portfolio of materials that support the statement of purpose (writing samples, electronic performance materials, etc.)
three letters of recommendation from professionals familiar with the applicant's work
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

The statement of purpose should detail the applicant's background in theatre as well as the applicant's interest in and suitability for work in the interdiscipline of theatre and digital media

Applicants should see the program website for application deadlines but should note that for financial aid purposes, the School of Arts, Media and Engineering deadline is February 1.

## Contact Information:

Design \& the Arts, Herberger Institute for School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337
Theatre (Performance Design), MFA (FAPERDMFA)
Online Degree Search Title: Theatre (Performance Design), MFA

## Program Description:

ASU offers a strenuous and innovative MFA program in theatre with a concentration in performance design that focuses on a nontraditional approach to design training in preparation for the theatrical design challenges of the future. The design student works with an ensemble of designers, directors and performers to create new projects that redefine the role of the traditional designer.

Skills for approaching and creating new work include:

- design applications in multimedia
- development of artistic entrepreneurship and integrity
- drafting and computer imaging
- new work development

Performance design students work in multiple venues, including the 481-seat Galvin Playhouse, 164-seat Lyceum Theatre, two studios and one experimental space. In addition, students work in the shops, a design studio and a computer-imaging lab.

Admission to the directing, performance and performance design concentrations is cohort-based.

## Degree Requirements:

60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project.

- Academic and artistic progress is evaluated at the end of each semester by a faculty committee.
- A professional internship is required and can be fulfilled anytime after the first year of study.
- Students conclude with an applied ensemble design project suited to their needs and interests.
- The first year is dedicated to creating an ensemble as well as honing the skills needed to visually communicate ideas to a director and audience.
- The second year concentrates on new work development that will culminate in a tour. This year also concentrates on strengthening design abilities.
- The third year serves as a bridge between the educational and professional theatre and the communities they serve

Program continuation is contingent upon a successful review.

## Admission Requirements:

Applicants must fulfill the requirements of the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic writing sample
- current resume
- portfolio of 10 samples of visual work to be presented at interview
- three letters of recommendation from professionals familiar with the student's work
- written statement of purpose
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

An applicant will also be required to do an interview.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other Master of Fine Arts programs in theatre practice.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337

## Theatre (Performance), MFA (FAPERFMFA)

Online Degree Search Title: Theatre (Performance), MFA
Campus: Tempe

## Program Description:

The MFA program in theatre with a concentration in performance re-envisions the role of the artist in society focusing on the devising and development of new work. The program stresses an actor-creator model as well as fostering a critical, conceptual thinker and collaborator by offering skills for developing artistic entrepreneurship, innovating performance applications in multimedia and transdisciplinary collaboration, informed by artistic integrity and social responsibility.

The school offers multiple approaches to new work development:

- connected motion
- devising
- Fitzmaurice voicework
- Lecoq
- new play development
- performance technology
- rasaboxes
- solo and collaborative performance
- Viewpoints

In addition to core physical and vocal training, the program offers a rich variety of guest artists each semester, undergraduate-level teaching opportunities, study abroad opportunities, funding for national and international conference travel, and career development internship opportunities.

During the third year of study, candidates conduct professional career development internships. In the past, students have completed internships at:

- Chicago Dramatist Theatre
- Cleveland Playhouse
- Dah Theatre, Belgrade, Serbia
- Hartford Stage
- North Coast Rep
- One Yellow Rabbit
- SITI Company
- Synetic Theatre
- Theatre L'Homme Dieu
- The Bali Purnati Art Centre
- Victory Gardens

Eight performers will be admitted to the cohort every three years.

## Degree Requirements:

60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project.

The first year is dedicated to intensive movement, acting and Fitzmaurice voice training, and ensemble building and devising with a focus on Lecoq, Rasaboxes, Viewpoints and Meisner. The year will culminate in a final site-specific showcase performance.

Second-year training provides opportunities for students to explore their work in a wide range of performance modalities such as communityembedded drama, performance art, solo performance, performance and technology, devising and working with guest artists. Performers collaborate with the MFA designers, directors and playwrights to devise a new scripted performance for the mainstage season

The third year culminates in an applied performance project serving as a bridge between the educational and professional worlds and the communities they serve.

Students conclude their graduate studies with an applied performance project, specifically suited to their needs and interests. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional career development internship is required.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- statement of purpose
- academic writing sample
- three letters of recommendation from professionals familiar with the student's work
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other Master of Fine Arts programs in theatre practice.

Applicants will need to do an interview, either on campus or at one of the university or resident theatre association sites, and an audition.

Students should see the program website for application deadlines and admission terms.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337

## Theatre (Theatre For Youth), MFA (FAYOUTHMFA)

Online Degree Search Title: Theatre for Youth, MFA
Campus: Tempe

## Program Description:

The internationally renowned theatre for youth MFA program at ASU features distinguished faculty, excellent facilities, comprehensive coursework and practical experiences in all areas of theatre, educational theatre, community cultural development and theatre for youth. The faculty provide students individualized attention and focused mentorship amid a challenging and supportive atmosphere designed to educate future leaders in the field. Students enrolled in the Master of Fine Arts program in theatre for youth complete their course of study equipped to be engaged and innovative leaders in artistry, scholarship, education and activism.

Students are prepared for careers that include teacher of artistry, directing and education directing; specialist in arts and civic organizations; teachers in elementary, secondary and tertiary education systems; and careers in social profit organizations and in arts entrepreneurship.

## Degree Requirements:

60 credit hours including the required applied project course (THP 693), a written comprehensive exam and an oral comprehensive exam.
students for careers in professional theatre, as artists or education directors, specialists in arts organizations, or as teachers in elementary or secondary education. An internship with a professional theatre company, school or arts organization and a final applied project complete the program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current curriculum vitae
- statement of purpose
- curated arts portfolio
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A highly competitive program, this degree accepts only a small number of students each year in order to provide highly individualized attention.

The statement of purpose should clearly explain the applicants aesthetic and educational philosophies and future career goals. After reading the statement, the faculty should understand not only the applicant's current passions but also why the theatre for youth program at ASU would be an appropriate fit to meet the student's educational, practical and scholarly goals. The program accepts thoughtful, well-informed artists, scholars, educators and citizens.

The applicant's portfolio should highlight previous work accomplished. Online portfolios are preferred.

The three letters of recommendation should be from professionals familiar with the applicant's work.

High-ranking applicants will be invited to a group interview date, normally scheduled on the first Friday of February.

Applicants should see the program website for application deadlines.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337

## Theatre (Theatre For Youth), PHD (FAYOUTHPHD)

Online Degree Search Title: Theatre for Youth, PhD
Campus: Tempe

## Program Description:

The internationally renowned theatre for youth PhD program at ASU features distinguished faculty, excellent facilities and comprehensive coursework, research guidance and practical experiences in all areas of theatre, educational theatre, community cultural development and theatre for youth. Faculty provide students individualized attention and focused mentorship amid a challenging and supportive atmosphere designed to educate future leaders and researchers in the field. The program's doctoral students complete their course of study equipped to be engaged, thoughtful and innovative leaders in artistry, scholarship, education and research.

Graduates of the theatre for youth program are prepared for careers that include teacher of artistry, directing and education directing; specialist in arts and civic organizations; member of university and college faculty; career in social profit organizations; and careers in arts entrepreneurship, research and publishing programming.

## Degree Requirements:

90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (30 credit hours)

Research (12 credit hours)
THE 792 Research (12)

Research Methodology (6 credit hours)

Culminating Experience (12 credit hours)
THE 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as communitybased theatre, theatre education, theatre for social change, theatre history, theatre theory and criticism, and tutorial courses.

Students may also take courses outside the School of Film, Dance and Theatre in areas such as aesthetic theory, area studies, children's literature, critical and cultural studies, educational theory and methodology, languages and literatures, arts education, policy research, and democracy studies.

Research methodology coursework is chosen in consultation with the supervisory committee. Where appropriate, the supervisory committee may approve certification of literacy in a foreign language as meeting the research methodology requirement. This approval is granted only in those circumstances wherein fluency in that language is necessary for the dissertation research.

Additional Curricular Requirements:

- ongoing reviews of a student's performance in courses and development of research skills, artistic skills and teaching competencies conducted by the supervisory committee at the end of each semester
- comprehensive examinations composed of written and oral components centering on theatre history, literature and criticism, theatre for youth and theatre education and the research area
- dissertation developed from an approved prospectus, based on original research work of high quality, demonstrating proficiency in the student's special field and adding new knowledge

All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School of Film, Dance and Theatre.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in theatre or education from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE exam
- interview
- curriculum vitae
- sample of scholarly writing
- statement of purpose
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should explain the applicant's research, artistic and educational philosophies and goals as appropriate to the applicant's desired focus in the doctoral program and how study in the ASU theatre for youth program might particularly suit these goals and philosophies.

Three letters of recommendation from professionals familiar with the applicant's work should address, specifically, the applicant's potential for success in a doctoral program.

Students should see the program website for application deadlines.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337

## Theatre (Theatre/Performance Americas), PHD (FAPERAMPHD)

Online Degree Search Title: Theatre (Performance America), PhD
Campus: Tempe

## Program Description:

The PhD in theatre with a concentration in theatre and performance of the Americas is a program that trains scholars to examine the histories, theories and practices associated with cultural performance from a hemispheric point of view. Through coursework, seminars, research and study opportunities, doctoral students work from diverse critical perspectives that mobilize thought across geographical and disciplinary borders. They develop skills to re-examine and interrogate the canon of theatre as text and as performance, expanding the traditional boundaries of theatre studies in two ways: via a perspective that considers the shared histories and practices of theatre and performance in the Americas as central to an intervention in traditionally narrated histories and theories of theatre; and via the methodologies of cultural and performance studies that accommodate other forms of embodied expression related to, but distinct from, formal theatrical expression.

The course of study is designed to provide substantive historical and theoretical grounding in the field, while allowing flexibility in the choice of specialized seminar and practical experiences. The first year of study immerses students in the theoretical and practical groundwork of performance research, in general, and modalities of performance in the Americas, in particular. In the second year, students build on research interests identified in the first year through specialized coursework and practical experience.

## Degree Requirements:

90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core ( 24 credit hours)

Electives (12 credit hours)
Research (12 credit hours)
THE 792 Research (12)

Culminating Experience (12 credit hours)
THE 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

Two of the electives courses must come from outside the school (as approved by the supervisory committee).

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as: communitybased theatre, dramaturgy, theatre for social change, theatre history, theatre theory and criticism, and related topics seminars.

Students also may take courses outside the School of Film, Dance and Theatre in areas such as critical and cultural studies, area studies, languages and literatures, and aesthetic theory. All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

Reviews of the student's performance in courses and development of research skills, artistic skills and teaching competencies are conducted by the supervisory committee at the end of each semester.

Comprehensive Examinations:
Examinations are composed of written and oral components centering on theatre history, literature and criticism, theatre and performance of the Americas and the research area.

Dissertation Requirements:
A dissertation based on original high-quality research work demonstrating proficiency in the student's special field is required.

## Admission Requirements:

Applicants must fulfill the requirements of the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a master's degree in a relevant area from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's program and a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
curriculum vitae
- GRE scores
- sample of scholarly writing
- statement of purpose
- three letters of recommendation from professionals familiar with the student's work
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should address the student's background and experiences as they relate to the student's reasons for pursuing the doctorate, and it should describe the student's research interests and indicate future career goals.

An interview is strongly recommended.

Students should see the program website for application deadlines.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337

## Urban Design, MUD (ARMUDMUD)

Online Degree Search Title: Urban Design, MUD
Campus: Tempe

## Program Description:

Situated within The Design School, the MUD program is a transdisciplinary postprofessional graduate program integrating newly emerging research and applied practices from the disciplines of architecture, landscape architecture, ecology, law, civil engineering, planning, public programs, systems theory and real estate development with the ever-changing realities of our larger world. The program leverages our local Arizona conditions --- our rapidly urbanizing metropolis, arid climate, cultural diversity and our New American University --- toward the development of responsible global initiatives and innovative design strategies for urban environments.

The curriculum is built around the analysis and understanding of contemporary urban conditions specific to rapidly urbanizing and arid regions of the world.

45 credit hours and a thesis, or 45 credit hours including the required applied project course (MUD 593), or 45 credit hours including the required capstone course (MUD 622).

Students should see the academic unit for the course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit

- graduate admission application and application fee
- official transcripts
- GRE scores
- portfolio
- letter of intent
- three references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English is required to submit proof of English Proficiency through either the TOEFL or the IELTS. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Other information for international applicants can be found at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

Applicants who hold a studio-based four-year undergraduate design degree will be considered for the two-year MUD program. The Master of Urban Design is a postprofessional program.

Applicants must hold an undergraduate or graduate degree from a college or university recognized by ASU in a studio-based design discipline.

Applicants must provide an official copy of GRE scores; unofficial copies will not be accepted. For more information, students should visit the GRE website or https://uoeee.asu.edu/testing (https://uoeee.asu.edu/testing).

The portfolio, letter of intent and contact information for three references need to be submitted to SlideRoom (https://asudesign.slideroom.com (https://asuherberger.slideroom.com)). The Design School requires that these be submitted in addition to the graduate admission application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. This may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome, and the candidate should make arrangements by contacting the department.

## Contact Information:

Design \& the Arts, Herberger Institute for The Design School https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536
Visual Communication Design, MVCD (HIVCDMVCD)
Online Degree Search Title: Visual Communication Design, MVCD
Campus: Tempe

## Program Description:

The MVCD is a studio-based degree program.

Students in this program work on strategic visual communication design projects with a focus on the development of visual language systems firmly grounded on the principles of information design, typography and interaction design. Students engage in visual and theoretical research, ideation, visualization, prototyping and testing of creative solutions that address critical problems faced in the contemporary visual world. Graduates of this program are adept in working with fundamental principles of visual communication design, emotional intelligence and systems thinking in problem identification and its appropriate contextual solutions.

The graduates pursue professional practice in visual communication and multimedia industry as well as in academia.

## Degree Requirements:

60 credit hours including the required capstone course (GRA 622).

Required Core (43 credit hours)

Electives (6 credit hours)

Other Requirement (6 credit hours)
GRA 581 Internship in Teaching Design (3)
GRA 584 Internship (3)

Culminating Experience (5 credit hours)
GRA 622 Advanced Visual Communication Design Studio IV (5)

Additional Curriculum Information
The Master of Visual Communication Design program includes sequential studio courses. Requirements involve an average of 14 credit hours per semester. A summer internship is required during the summer prior to the final year.

The three-plus-year program adds the following requirement to the plan of study: deficiency courses (42 credit hours).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Herberger Institute for Design and the Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Students should see below for information on the qualifications for a two-year program of study or a three-plus-year program of study.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- additional required application items submitted to SlideRoom (see below)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency through either the TOEFL or the IELTS. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based) on the TOEFL or an overall band score of 6.5 on the IELTS. Additional information can be found at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

A portfolio, letter of intent, resume, and contact information for three references need be submitted to SlideRoom (https://asudesign.slideroom.com (https://asuherberger.slideroom.com)). The Design School requires that these be submitted in addition to the Graduate College application requirements.

Admission to the program is selective. Admission cannot be deferred. Students must enroll in the semester for which they are admitted; otherwise, they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Admission Requirements to the Two-Year Program
All applicants must have completed a minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in visual communication design or graphic design.

Admission Requirements to the Three-Plus-Year Program
All applicants must have earned a bachelor's degree (or equivalent) in a field other than in visual communication design or graphic design.

Applicants may be admitted to the two-year program with deficiencies if their previous coursework is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. This may cause the student to take longer than two years to complete the program.

## Contact Information:

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
designgrad@asu.edu
480-965-3536

## Engineering, Ira A. Fulton Schools of

## Aerospace Engineering, MS (ESAEROSPMS)

Online Degree Search Title: Aerospace Engineering, MS
Campus: Tempe

## Program Description:

The MS program in aerospace engineering prepares engineers for doctoral study or industrial positions that specialize in research, project management and product innovation in aerospace engineering. The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Aerospace Engineering (Aeronautics), BSE
Aerospace Engineering (Astronautics), BSE
Aerospace Engineering (Autonomous Vehicle Systems), BSE
Mechanical Engineering, BSE
Mechanical Engineering (Computational Mechanics), BSE
Mechanical Engineering (Energy and Environment), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (MAE 593).

Major Area of Emphasis (12 or 15 credit hours)

Electives (6 or 9 credit hours)

Mathematics (6 credit hours)

Culminating Experience (0 or 6 credit hours)
MAE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
The aerospace engineering Master of Science program offers two culminating experience options: a thesis option and a nonthesis (portfolio) option. All students are admitted to the nonthesis option unless a faculty thesis advisor is secured, at which time the student can initiate a change to the
thesis option.

The plan of study must be in accordance with university and program requirements. A minimum cumulative GPA of 3.00 (scale is $4.00=$ " A ") is required throughout the program. Candidates for the program must complete a minimum of 30 credit hours of courses at the 500 level and above, with a minimum cumulative GPA of 3.00 or above.

Students completing a portfolio for the culminating experience must complete at least 15 credit hours of graduate MAE coursework ( 500 level and above) for the major area of emphasis requirement. An additional three credit hours of elective coursework (for a total of nine credit hours) is also required.

Coursework for the major area of emphasis is restricted to MAE coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE score
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a minimum score of 80 on the Internet-based TOEFL.

Admission to the aerospace engineering graduate program is highly competitive.

Admission to the $4+1$ degree program requires a 3.50 ASU GPA (scale is $4.00=$ " A ") in degree-applicable courses. All applications are subject to review, and admission is not guaranteed.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/aerospace-graduate/
ECG 207
semtegrad@asu.edu
480-965-4979

## Aerospace Engineering, PHD (ESAERSPPHD)

Online Degree Search Title: Aerospace Engineering, PhD
Campus: Tempe

## Program Description:

The PhD program in aerospace engineering emphasizes original research and provides students with a strong background for employment by academic institutions, government laboratories and industrial research laboratories with a focus on aerospace engineering. The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design,
system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy. Modern computational and laboratory facilities are available to support timely research investigations.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

All students pursuing the PhD are required to pass both a qualifying and a comprehensive examination administered by the program committee. In addition, the following are required:
coursework directly related to the research area (18) mathematics (9) graduate courses outside the major research area (9) MAE 792 Research MAE 799 Dissertation credit hours (12)

Students in the doctoral program who have not completed an MS degree previously will be allowed to apply for a Master of Science in Passing after successfully completing the comprehensive exams.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from an accredited U.S. or international institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a minimum of score of 80 on the Internet-based TOEFL.

Admission to the aerospace engineering doctoral program is highly competitive and preferred applicants have an undergraduate or MS degree in aerospace engineering or mechanical engineering. The admission process considers all aspects of the student's application. The typical successful applicant has at least a 3.25 cumulative GPA (scale is $4.00=$ "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE and TOEFL scores.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program https://semte.engineering.asu.edu/aerospace-graduate/ ECG 207
semtegrad@asu.edu
480-965-4979

## Applied Ethics and the Professions (Ethics and Emerging Technologies), MA (LAAEPEETMA)

Online Degree Search Title: Applied Ethics (Ethics and Emerging Technologies), MA Campus: Tempe

## Program Description:

The purpose of the MA program in applied ethics with a concentration in ethics and emerging technologies is to examine ethical challenges posed by emerging technologies, including nanotechnology, neurotechnology, biotechnology, robotics and advanced information and communication technology. Not only are these technologies being developed at an unprecedented pace, they also share several unique characteristics, including system complexity, social embeddedness and the potential to converge with one another. Emerging technologies will change how humans live and
work and have the potential to alter the very nature of human existence. Challenges considered by courses in the program include:

- emerging technologies and public policy
- ethical responsibilities of professionals engaged in development of emerging technologies
- promise and perils of emerging technologies
- whether traditional ethical concepts and processes can and should be applied to emerging technologies


## Degree Requirements:

30 credit hours including the required applied project course (AEP 593).

Required Core (6 credit hours)

Concentration (3 credit hours)

Elective (15 credit hours)

Culminating Experience (6 credit hours)
AEP 593 Applied Project (6)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores sent directly to Graduate Admission Services
- statement of interest in applied ethics and career goals
- three letters of recommendation

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must demonstrate proficiency in the English language by meeting the Graduate College English proficiency requirements. Applicants required to demonstrate English proficiency and who are seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

## Contact Information:

Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering \& Built Envirnmt
https://explore.engineering.asu.edu/graduate-degrees/
ECG 251
sebe.advising@asu.edu
480-965-0595
Biological Design, PHD (GCBDSPHD)
Online Degree Search Title: Biological Design, PhD
Campus: Tempe

## Program Description:

The PhD program in biological design seeks to develop a new type of scientist by training students in core disciplines related to biomedicine and biotechnology while simultaneously preparing them to participate successfully in the interdisciplinary research teams of the future.

The research emphasis is on projects that are use-inspired, contributing directly to solutions for important societal challenges. This is a highly mentored program of personalized study that provides significant interaction with the large and vibrant local research community. Students are expected to complete the program in four to five years.

- a personalized plan of study that allows students to explore the disciplinary and interdisciplinary areas of greatest interest
- encouragement to choose dissertation research projects that are use-focused, contribute to solving a large-scale challenge and promise rich transdisciplinary experiences
- opportunities to participate in a proseminar format to encourage broad research interactions and discuss problems and challenges in biological design research
- three 10-week laboratory rotations during the first year of study

Rotations can be in any ASU laboratory that is centered largely on biological research.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (20 credit hours)
BDE 701 Fundamentals of Biological Design I (9)
BDE 702 Fundamentals of Biological Design II (3)
BDE 721 Integrative Research (3)
BDE 722 Research Design (3)
BDE 751 Teaching in Science (2)

Other Requirements
BDE 791 Seminar (must have 4 credit hours minimum)
BDE 792 Research (1 credit hour minimum every semester)
Specialized disciplinary courses (must have 6 credit hours minimum)

Culminating Experience (12 credit hours)
BDE 799 Dissertation (12)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

For GRE test scores, the institution code for ASU is 4007 and the departmental code is 0000 . Subject test scores are also recommended but not required

Three letters of recommendation relative to the candidate's academic career are required. The personal statement should reflect the candidate's career and educational goals and should explain why the candidate is interested in pursuing this degree. The resume should include prior research and employment experience, honors, awards, memberships held, publications, etc.

For additional admission requirements, including transcripts, fees and international application requirements, students should see the Graduate Admission Services website.

## Contact Information:

https://sbhse.engineering.asu.edu/biologicaldesign/
ECG 334
sbhse-advising@asu.edu
480-965-3028

## Biomedical Engineering, MS (ESBIOENMS)

Online Degree Search Title: Biomedical Engineering, MS
Campus: Tempe

## Program Description:

The School of Biological and Health Systems Engineering faculty offer a graduate program leading to the MS in biomedical engineering.

Areas of study include:

- biomaterials, biosensors, biomarkers and biomimetic materials
biomedical imaging
- molecular, cellular and tissue engineering
- neural and rehabilitation engineering
- synthetic and systems biology

Biomedical engineering offers an accelerated BSE and MS in the biomedical engineering degree program for students in the Bachelor of Science in Engineering program who have maintained a GPA of 3.50 (scale is $4.00=$ "A") into their junior year. The program allows up to 12 credit hours of graduate-level coursework taken as technical electives during the senior year to be applied toward both the undergraduate and graduate degrees.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Biomedical Engineering, BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (BME 593).

All candidates pursuing a master's degree in biomedical engineering are required to complete an approved plan of study. Special course requirements for the different areas of study are established by the faculty.

A candidate whose undergraduate degree is in a field other than biomedical engineering may be required to complete more than the required credit hours of the program of study.

The following are program requirements for the applied project option, for a total of 30 credit hours:
biomedical engineering coursework (13)
biomedical engineering seminar (2)
general electives (6)
quantitative electives (6)
applied project (3)

The following are program requirements for the thesis option, for a total of 30 credit hours:
biomedical engineering coursework (9)
biomedical engineering seminar (3)
general electives (6)
quantitative electives (6)
thesis (6)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- resume or curriculum vitae
- a statement of purpose
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Harrington Bioengineering Program
https://sbhse.engineering.asu.edu/
ECG 334
sbhse-advising@asu.edu
480-965-3028

## Biomedical Engineering, PHD (ESBIOENPHD)

Online Degree Search Title: Biomedical Engineering, PhD
Campus: Tempe

## Program Description:

The School of Biological and Health Systems Engineering faculty offer a graduate program leading to the PhD in biomedical engineering.

Areas of study include:

- biomaterials, biosensors, biomarkers and biomimetic materials
- biomedical imaging
- molecular, cellular and tissue engineering
- neural and rehabilitation engineering
- synthetic and systems biology

The doctoral degree in biomedical engineering is conferred upon evidence of excellence in research resulting in a scholarly dissertation that is a contribution to knowledge.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Bioengineering Courses (at least 18 credits)
Doctoral students are required to complete six credits from each of the following three areas:
BME graduate courses (BME prefix) (6)
life science/biology graduate courses (6)
quantitative math or engineering (6)

Other Requirement (3 credit hours)
BME 780 Teaching Practicum (3)

Technical Electives
No fewer than nine credit hours of coursework (as determined by the student's supervisory committee) must be selected from the list of 400 - to 700 level courses that are not selected as required BME courses

Research (37 credit hours)
BME 792 Research (37)

Seminar (5 credit hours)
BME 591 (5)

Culminating Experience (12 credit hours)
BME 799 Dissertation (12)

Additional Curricular Requirements
Up to six credit hours of the required biomedical engineering courses and technical electives combined may be at the 400 level.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- a statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should view the School of Biological and Health Systems admissions checklist on the Arizona State University website for specific admission procedures and deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Harrington Bioengineering Program
https://sbhse.engineering.asu.edu/
ECG 334
sbhse-advising@asu.edu
480-965-3028

## Chemical Engineering, MS (ESCHEMEMS)

Online Degree Search Title: Chemical Engineering, MS
Campus: Tempe

## Program Description:

The chemical engineering faculty offer a graduate program leading to the MS in chemical engineering.

Areas of research emphasis include but are not limited to:

- atmospheric aerosols
- biomolecular engineering
- biosensors
- chemical therapies for neurodegenerative diseases
- composite material synthesis and characterization
- electrochemistry
- electronic materials processing
- engineering education
- flexible display technology
- fuel cells
- inorganic membranes
- process design and operations
- protein synthesis
- surface, interface and colloidal science
- transport phenomena in living systems
- water purification

A graduate handbook detailing information on graduate studies in chemical engineering is available on the school website. For additional details, students should contact the Graduate Advising Office in the School for Engineering of Matter, Transport and Energy.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Chemical Engineering, BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

33 credit hours and a thesis, or 33 credit hours including the required applied project course (CHE 593).

Required Core ( 9 credit hours)
CHE 533 Transport Processes I (3)
CHE 543 Thermodynamics of Chemical Systems (3)
CHE 544 Chemical Reactor Engineering (3)

Technical Electives (6 or 9 credit hours)

Electives (6 or 12 credit hours)

Other Requirement (3 credit hours)
CHE 591 Seminar (3)

Culminating Experience (3 or 6 credit hours)
CHE 593 Applied Project (3)
CHE 599 Thesis (6)

Additional Curriculum Information
This degree has two options: a thesis option and a nonthesis option. The nonthesis option requires an applied project. Both options require a faculty advisor. All students are admitted to the nonthesis option until a faculty advisor has been secured and agrees to allow the student to change to the thesis option.

The composition of technical electives depend on the student's final culminating experience. At least one technical elective course of three credit hours must be taken outside of chemical engineering, and the academic unit must approve all elective coursework in order for the credits to be utilized on the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE score
personal statement
- resume or curriculum vitae
- three letters of recommendation
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a minimum score of 100 on the Internet-based TOEFL.
review, and admission is not guaranteed.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Chemical Engineering Program
https://semte.engineering.asu.edu/chemical-graduate/
ECG 207
semtegrad@asu.edu
480-965-4979

## Chemical Engineering, PHD (ESCHEMEPHD)

Online Degree Search Title: Chemical Engineering, PhD
Campus: Tempe

## Program Description:

The chemical engineering PhD program has areas of research emphases in:

- atmospheric aerosols
- biomolecular engineering
- biosensors
- chemical therapies for neurodegenerative diseases
- electrochemistry
- electronic materials processing
- engineering education
- flexible display technology
- fuel cells
- inorganic membranes
- process design and operations
- protein synthesis
- polymers and polymer composites
- surface, interface and colloidal science
- transport phenomena in living systems
- water purification

A graduate handbook detailing information on graduate studies in chemical engineering is available through the Graduate Advising Office of the School for Engineering of Matter, Transport, and Energy.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (9 credit hours)
CHE 533 Transport Processes I (3)
CHE 543 Thermodynamics of Chemical Systems (3)
CHE 544 Chemical Reactor Engineering (3)

Technical Electives (18 credit hours)

Other Requirements (5 credit hours)
CHE 591 Seminar (5)

Research (12 credit hours)
CHE 792 Research (12)

Additional Research/Electives (28 credit hours)

Culminating Experience (12 credit hours)
CHE 799 Dissertation (12)

Additional Curriculum Information
Technical electives are from within or outside the chemical engineering program.

## Admission Requirements:

Applicants must fulfill both the requirements of the Graduate College and those of the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) is required to achieve a minimum score of 100 on the Internetbased TOEFL.

Students should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Chemical Engineering Program
https://semte.engineering.asu.edu/chemical-graduate/
ECG 207
semtegrad@asu.edu
480-965-4979

## Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)

Online Degree Search Title: Civil, Environmental, and Sustainable Engineering, MS
Campus: Tempe

## Program Description:

The faculty in civil, environmental and sustainable engineering offer a graduate program leading to an MS in civil, environmental and sustainable engineering. The program is designed to enhance the knowledge gained in the undergraduate program by requiring the students to understand and practice fundamental concepts in engineering, mathematics and the basic sciences.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and on the program's website. Students are admitted to one of the following specialty areas:

- environmental engineering
- geotechnical engineering
- hydrosystems engineering
- structural engineering
- sustainable engineering
- transportation engineering


## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Civil Engineering, BSE
Civil Engineering (Environmental Engineering), BSE
Civil Engineering (Sustainable Engineering), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a applied project (CEE 593), or 30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

All candidates for the master's degree thesis option are required to complete 24 credit hours of approved graduate coursework and a minimum of six credit hours of CEE 599 Thesis. The written thesis must be original research in nature. Additional courses may be assigned by the graduate supervisory committee, depending on the background of the candidate. A final oral examination in defense of the thesis written work is required.

Candidates in the applied project option must complete 27 credit hours of approved graduate coursework and three credit hours of CEE 593 applied project.

Candidates in the comprehensive exam option must complete 30 credit hours of approved graduate coursework and complete a written comprehensive exam.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to this program if they have earned a bachelor's or master's degree with a major in engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program. Applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator. A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission, and details can be obtained at the graduate studies section of the program's website.

Prospective students should note the following two requirements need to be met for consideration for admission: minimum score in the quantitative section of 155 and minimum combined score for the quantitative and verbal sections of 301 . More information regarding how to send official GRE scores is on the Graduate Admission Services website.

Applicants are encouraged to submit a resume and personal statement.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
https://ssebe.engineering.asu.edu/civil-environmental-sustainable-home/degree-grad/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Civil, Environmental and Sustainable Engineering, MSE (ESCIVILMSE)

Online Degree Search Title: Civil, Environmental and Sustainable Engineering, MSE
Campus: Tempe, Online

## Program Description

The faculty in civil, environmental and sustainable engineering offer a professional program leading to an MSE in civil, environmental and sustainable engineering. The program is designed to bridge the gap between knowledge of engineering sciences and creative engineering practice while at the same time increasing the depth and breadth of knowledge in selected areas of emphasis.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here, on the program's website and in the program's graduate handbook. Students are admitted to one of the following specialty areas:

- environmental engineering
- geotechnical engineering
- hydrosystems engineering
- structural engineering
- sustainable engineering
- transportation engineering


## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years.
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Civil Engineering, BSE
Civil Engineering (Environmental Engineering), BSE
Civil Engineering (Sustainable Engineering), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a written comprehensive exam.

All candidates for the master's degree are required to complete approved graduate coursework.

Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate.

Details of the comprehensive written examinations for the different specialty areas can be obtained at the graduate studies section of the program's website.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, with a major in engineering or a closely related program, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained at the graduate studies section of the program's website.

Applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee.

Prospective students should note that GRE scores are used in the admission decision. The average scores for those who were admitted to the graduate programs over the last five years are 732 for MS/MSE and 751 for PhD (GRE General Test) or 157 for MS/MSE and 159 for PhD (GRE revised General Test) in the quantitative section; 1203 for MS/MSE and 1239 for PhD (GRE General Test) or 308 for MS/MSE and 311 for PhD (GRE revised General Test) as combined quantitative and verbal scores.

More information regarding how to send official GRE scores to the Graduate College can be found at https://students.asu.edu/graduate/faqs (https://students.asu.edu/graduate/faqs).

Students' credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
https://ssebe.engineering.asu.edu/civil-environmental-sustainable-home/degree-grad/
CAVC 437
sebe.advising@asu.edu
480-965-0595
Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)
Online Degree Search Title: Civil, Environmental and Sustainable Engineering, PhD
Campus: Tempe

## Program Description:

The faculty in civil, environmental and sustainable engineering offer a graduate program leading to the PhD in civil, environmental and sustainable engineering. A broad range of theoretical and experimental research programs have been established in civil and environmental engineering to prepare graduate students for careers in professional practice and research. These programs are constantly evolving with the changes in society and the profession, and many are transdisciplinary in nature.

The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and in the program's graduate handbook. Students are admitted to one of the following specialty areas:

- environmental engineering
- geotechnical engineering
- hydrosystems engineering
- structural engineering
- sustainable engineering
- transportation engineering


## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

All candidates for the doctorate are required to complete 84 approved graduate credit hours; of these, 30 credit hours can be from the previously awarded master's degree. Additional graduate credit work may be assigned by the graduate supervisory committee, depending on the background of the candidate.

The graduate credit hours must include a minimum of 12 credit hours of research and 12 credit hours of dissertation work.

This degree also requires written and oral comprehensive examinations and approval of the dissertation prospectus for the student to be eligible for doctoral candidacy.

After entering candidacy, students complete their research, write and successfully defend their written dissertation.

A final oral examination in the defense of the dissertation work is required for all students.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a master's degree in engineering or a closely related master's degree program from a regionally accredited institution. Exceptionally qualified students with a bachelor's degree may be admitted to the doctoral program.

Applicants must have a minimum of a 3.20 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.20 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- a resume
- a personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Those seeking a teaching assistantship must demonstrate proficiency in spoken English with a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL.

A student whose undergraduate or master's degree is not in civil engineering is required to take appropriate undergraduate or graduate courses as deficiency courses, to establish a base of knowledge in the discipline. Deficiencies for admission to the program are specified at the time of admission, and details can be obtained at the graduate studies section of the program's website.

Prospective students should note that GRE scores are used in the admission decision. The average scores for those who were admitted to the graduate programs over the last five years are 732 for MS/MSE and 751 for PhD (GRE General Test) or 157 for MS/MSE and 159 for PhD (GRE revised General Test) in the quantitative section; 1203 for MS/MSE and 1239 for PhD (GRE General Test) or 308 for MS/MSE and 311 for PhD (GRE revised General Test) as combined quantitative and verbal scores. More information regarding how to send official GRE scores to Graduate Admission Services can be found at https://students.asu.edu/graduate/faqs (https://students.asu.edu/graduate/faqs).

Students' credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
https://ssebe.engineering.asu.edu/civil-environmental-sustainable-home/degree-grad/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Computer Engineering (Computer Systems), MS (ESCENCMS)

Online Degree Search Title: Computer Engineering (Computer Systems), MS
Campus: Tempe

## Program Description:

Computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics and physical sciences. Graduates of this program will have the knowledge and skills necessary to advance the design, system integration, testing, evaluation and deployment of state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The MS program is intended for students who want to gain knowledge deeper than that provided at the bachelor's degree level and sufficient for designing and implementing state-of the-art systems in industrial research and development positions. The program is also appropriate for students contemplating future doctoral study and desiring to gain experience in research. Master's degree program graduates may work under the direction of scientists and engineers who hold doctorates in high-tech lab settings assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Computer Systems Engineering, BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

EEE 554 Random Signal Theory (3)

Electives (18-24 credit hours)

Culminating Experience ( $0-6$ credit hours)
CEN 599 Thesis (6) or
written comprehensive exam

Additional Curriculum Information
This program has a thesis and a nonthesis option for the culminating experience. Students in the nonthesis option take 24 credit hours of electives and students in the thesis option take only 18 credit hours to reach the 30 credit hour requirement. Electives are selected in consultation with the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a master's degree from a regionally accredited college or university of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement that indicates professional goals and reasons for desiring to enroll in the program
- GRE required if undergraduate program is not ABET-accredited (http://www.abet.org/ (http://www.abet.org/))
three letters of recommendations
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score. Students should see https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency) for more information.

Depending on prior academic preparation and accomplishments of an applicant, the program recommends that students consider taking the following courses to ensure adequate background preparation:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
EEE 203 Signals and Systems I
EEE 335 Analog and Digital Circuits
MAT 243 Discrete Mathematical Structures

A reading list of the topics covered in the placement exam will be provided in advance.

Students should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cen.engineering.asu.edu
CTRPT 105
cidse.advising@asu.edu
480-965-3199
Computer Engineering (Computer Systems), PHD (ESCENCPHD)
Online Degree Search Title: Computer Engineering (Computer Systems), PhD
Campus: Tempe

## Program Description:

Computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied
mathematics and physical sciences. Graduates of this program will have the knowledge and skills necessary to fundamentally advance and develop new paradigms for the design, system integration, testing, evaluation and deployment of state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The PhD program is intended for students with excellent ability in mathematics and physical science who are interested in gaining an in-depth knowledge of the foundational principles of engineering and pursuing a career in academia, research or highly technical entrepreneurial innovation. This doctoral program provides a broader and more in-depth preparation than the MS programs, in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
CSE 551 Foundations of Algorithms (3)
EEE 554 Random Signal Theory (3)

Concentration and Electives (54 credit hours)

Research (12 credit hours)
CEN 792 Research (12)

Culminating Experience (12 credit hours)
CEN 799 Dissertation (12)

Additional Curriculum Information
Concentration and elective courses are selected in consultation with the academic unit. Students must complete at least 18 credit hours of approved graduate courses from science and engineering. Additionally, students must complete at least 24 credit hours of approved computer engineering area courses, 12 credit hours of which must be courses noted with $\mathrm{M}^{*}$ or $\mathrm{D}^{*}$ from the six computer engineering areas, with no more than six credit hours noted with M*.

A maximum of six credit hours of CEN 790 Reading and Conference may be applied to the plan of study.

For more information, students should visit https://cidse.engineering.asu.edu/forstudent/prospective-students/computer-engineering/ (https://cidse.engineering.asu.edu/forstudent/prospective-students/computer-engineering/).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited institution of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- personal statement
- three letters of recommendation
- official transcripts
- GRE scores
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The TOEFL is required for an applicant whose native language is not English: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

The personal statement should explain the professional goals and reasons for desiring to enroll in the doctoral program as well as describing any research experiences and indicating personal research interest.

Depending on prior academic preparation and accomplishments of an applicant, it is recommended that students consider taking the following courses to ensure adequate background preparation:
CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
EEE 203 Signals and Systems I
EEE 335 Analog and Digital Circuits
MAT 243 Discrete Mathematical Structures

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cen.engineering.asu.edu
CTRPT 105
cidse.advising@asu.edu
480-965-3199

## Computer Engineering (Electrical Engineering), MS (ESCENEMS)

Online Degree Search Title: Computer Engineering (Electrical Engineering), MS
Campus: Tempe

## Program Description:

Computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics, and physical sciences. Graduates of this program will have the knowledge and skills necessary to advance the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The MS program is intended for students who want to gain knowledge deeper than that provided at the bachelor's degree level and sufficient for designing and implementing state-of the-art systems in industrial research and development positions. The program is also appropriate for students contemplating future doctoral study and desiring to gain experience in research. Master's degree program graduates may work under the direction of scientists and engineers who hold doctorates in high-tech lab settings assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Electrical Engineering, BSE Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

Required Core (6 credit hours)
CSE 551 Foundations of Algorithms (3)
EEE 554 Random Signal Theory (3)

Electives (18-24 credit hours)

Culminating Experience ( $0-6$ credit hours)
CEN 599 Thesis (6) or
written comprehensive exam

Additional Curriculum Information
This program has a thesis and a nonthesis option for the culminating experience. Students in the nonthesis option take 24 credit hours of electives, and students in the thesis option take only 18 credit hours to reach the 30 credit hour requirement. Electives are selected in consultation with the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a master's degree from a regionally accredited college or university of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
three letters of recommendation
- GRE scores are required if the undergraduate program is not ABET-accredited
proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

The personal statement should indicate professional goals and reasons for desiring to enroll in the program. In addition, three letters of recommendations are required with at least one letter from a faculty member.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://cen.engineering.asu.edu
GWC 209
askee@asu.edu
480-965-3424

## Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)

Online Degree Search Title: Computer Engineering (Electrical Engineering), PhD
Campus: Tempe

## Program Description:

Computer engineering is a transdisciplinary program that builds on the fundamentals of computer science, electrical engineering, applied mathematics, and physical sciences. Graduates of this program will have the knowledge and skills necessary to fundamentally advance and develop new paradigms for the design, system integration, testing, evaluation and deployment of state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The PhD program is intended for students with excellent ability in mathematics and physical science who are interested in gaining an in-depth knowledge of the foundational principles of engineering and pursuing a career in academia, research or highly technical entrepreneurial innovation. This doctoral program provides a broader and more in-depth preparation than the MS programs, in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
CSE 551 Foundations of Algorithms (3)
EEE 554 Random Signal Theory (3)

Concentration and Electives (54 credit hours)

Research (12 credit hours)
CEN 792 Research (12)

Culminating Experience (12 credit hours)
CEN 799 Dissertation (12)

Electives are selected in consultation with the academic unit. Students must complete at least 18 credit hours of approved graduate courses from science, engineering or mathematics and at least 24 credit hours of approved computer engineering courses.

A maximum of six credit hours of CEN 790 Reading and Conference may be applied to the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited institution of recognized standing in a related field such as computer engineering, computer science, computer systems engineering or electrical engineering.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum GPA of 3.50 (scale is $4.00=$ "A") in the MS or MSE coursework for acceptance into the doctoral program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE is required if the undergraduate program is not ABET-accredited.
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL is required for applicants whose native language is not English: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

## Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://cen.engineering.asu.edu
GWC 209
askee@asu.edu
480-965-3424
Computer Science, MCS (ESCOMSCMCS)
Online Degree Search Title: Computer Science, MCS
Campus: Tempe, Online

## Program Description

The MCS degree is an advanced degree program targeted at students with an undergraduate education in computing and related disciplines who can best profit from further breadth and background in computer science. The Master of Computer Science program also affords an opportunity for students employed in industry to seek a breadth of advanced education in computer science.

The program reflects the dual nature of computer science as both a scientific and engineering discipline by allowing emphasis on theory as well as practical applications. Students can study topics such as:

- artificial intelligence
- bioinformatics
- cloud and distributed computing
- computer-aided geometric design
- computer design and architecture
- computer graphics
- computer networks
- cyber-physical and embedded systems
database management and information retrieval
database systems
- data mining and machine learning
distributed computing and operating systems
embedded systems
- health operations and informatics
- imaging, graphics and visualization
- information assurance
- information assurance and security
- intelligent information integration
- multimedia
- network algorithms
- personalized learning and educational games
- simulation modeling and systems
- social computing
- software engineering
statistical modeling
- theory and algorithms


## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a portfolio.

Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Electives or Research (21 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Students choose 21 credit hours of other elective or research coursework approved by their academic advisor. Coursework selected as part of the area core may not be used as elective coursework on the same plan of study

At least 24 of these hours must be CSE 5XX credits at ASU. A maximum of four CSE 598 courses are allowed as elective coursework, which cannot include courses taken at the undergraduate level. Up to six credit hours of 400 -level courses may be applied to the plan of study. All 30 credit hours must be from formal coursework. CSE 590 will not be allowed as part of the MCS program plan of study.

All MCS program students must complete a project portfolio from three courses in which the student received a " B " (3.00) grade or higher.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of their current residency) must provide proof of English proficiency.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" or higher (scale is 4.00 $=$ " A ") within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

Students should see the program website for application deadlines.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/computer-science-mcs)

## Contact Information:

Engineering, Ira A. Fulton Schools of Computer Science and Engineering Program https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/
CTRPT 105
cidse.advising@asu.edu
480-965-3199
Computer Science, MS (ESCOMSCMS)
Online Degree Search Title: Computer Science, MS
Campus: Tempe

## Program Description:

The MS in computer science is a research-oriented degree program targeted toward students with an undergraduate education in the science of computation. It provides instruction in advanced coursework and emphasizes research by the student. Students can conduct cutting-edge research in a wide variety of research areas including:

- artificial intelligence
- bioinformatics
- cloud and distributed computing
- computer design and architecture
- computer graphics
- computer networks
- computer-aided geometric design
- cyber-physical and embedded systems
- data mining and machine learning
- database management and information retrieval
- database systems
- distributed computing and operating systems
- embedded systems
- health operations and informatics
- imaging, graphics and visualization
- information assurance
- information assurance and security
- intelligent information integration
- multimedia
- network algorithms
- personalized learning and educational games
- simulation modeling and systems
- social computing
- software engineering
- statistical modeling


## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis.

Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Electives (15 or 21 credit hours)

Culminating Experience (0 or 6 credit hours)
CSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems. Courses selected as part of the core may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Students in the thesis option take 15 credit hours of electives and students in the portfolio option take 21 credit hours of electives. The project portfolio is developed from three courses in which the student received a "B" (3.00) grade or higher. Students should see the academic unit for additional information and requirements.

For thesis students, nine of the 15 credit hours of electives must be courses in a chosen research area and approved by the student's academic advisor. Up to six credit hours can be independent study in CSE 590 Reading and Conference.

Students will complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- scores for the GRE
- three letters of recommendation
- a statement of purpose
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

If the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU, GRE scores are not required.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" (scale is $4.00=$ " A ") or higher within two semesters of admission to the program. Deficiency courses are

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

Students see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/
CTRPT 105
cidse.advising@asu.edu
480-965-3199
Computer Science, PHD (ESCOMSCPHD)
Online Degree Search Title: Computer Science, PhD
Campus: Tempe

## Program Description:

The PhD program in computer science prepares students to undertake fundamental and applied research in computer science to prepare students for careers in academia, government and industry.

Students can conduct cutting-edge research in a wide variety of research areas, including:

- artificial intelligence
- bioinformatics
- cloud and distributed computing
- computer design and architecture
computer graphics
- computer networks
- computer-aided geometric design
- cyber-physical and embedded systems
- data mining and machine learning
database management and information retrieval
database systems
distributed computing and operating systems
embedded systems
- health operations and informatics
- imaging, graphics and visualization
- information assurance
- information assurance and security
- intelligent information integration
- multimedia
- network algorithms
personalized learning and educational games
- simulation modeling and systems
social computing
- software engineering
statistical modeling
- theory and algorithms


## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core Areas (15 credit hours)
architecture and networked systems (3)
intelligent and interactive systems (3)
data and information systems (3)
software and information assurance (3)
foundations of computation and algorithms (3)

Depth (6 credit hours)
six additional credit hours in one core area (6)

Electives (33-39 credit hours)

Research (12-18 credit hours)
CSE 792 Research (12-18)

Culminating Experience (12 credit hours)
CSE 799 Dissertation (12)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area. Courses that are used to satisfy the core area requirement cannot be used to satisfy electives or other requirements.

Students choose computer science electives in consultation with their graduate advisor. Up to 18 credit hours of CSE 590 and CSE 790 are allowed on the plan of study. Additional restrictions may apply to electives course selection.

When approved by the academic unit and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree

A maximum of six credit hours of 400 -level coursework may be applied to the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from every university attended
- scores for the GRE
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of their current residency) must provide proof of English proficiency.

If the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU, GRE scores are not required

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" or higher (scale is 4.00 = "A") within two semesters of admission to the program. Deficiency courses are:
CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems

CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering
The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.
Students should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/
CTRPT 105
cidse.advising@asu.edu
480-965-3199

## Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)

Online Degree Search Title: Computer Science (Art, Media and Engineering), MS
Campus: Tempe

## Program Description:

The MS program in computer science with a concentration in arts, media and engineering emphasizes research on the integration of the human physical experience with computation and digital media. Arts, media and engineering researchers produce experiential media systems and models that:

- assist the disadvantaged
- empower creativity
- enhance scientific discovery
- evolve human ability
- facilitate learning
- improve quality of life

Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The purpose of the arts, media and engineering concentration under the master's degree in computer science is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. Students will specialize in transdisciplinary media development. More information about the arts, media and engineering concentration can be found at https://artsmediaengineering.asu.edu (https://artsmediaengineering.asu.edu/).

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:

## Computer Science, BS

Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis.

Required Core Areas (9 credit hours)
Applications (3)
Foundations (3)
Systems (3)
Concentration (9 credit hours)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)
CSE 599 Thesis (4)
AME Thesis (2)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Students will complete nine credit hours of arts, media and engineering concentration courses selected in consultation with the student's graduate advisor. Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement.
Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students will complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of their current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

If the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU, GRE scores are not required

The statement of purpose must address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. For further information on how this statement can be expanded upon by students interested in a research assistantship or an integrative graduate education and research traineeship within arts, media and engineering, students should visit https://artsmediaengineering.asu.edu ("https://artsmediaengineering.asu.edu/"). Students should submit a curriculum vitae with the statement of purpose

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is $4.00=$ " A ") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

Students should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/
CTRPT 105
cidse.advising@asu.edu
480-965-3199

## Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)

Online Degree Search Title: Computer Science (Art, Media and Engineering), PhD

## Campus: Tempe

## Program Description:

The PhD program in computer science with a concentration in arts, media and engineering emphasizes research on the integration of the human physical experience with computation and digital media. Arts, media and engineering researchers produce experiential media systems and models that:

- assist the disadvantaged
- empower creativity
- enhance scientific discovery
- evolve human ability
- facilitate learning
- improve quality of life

Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The purpose of the arts, media and engineering concentration is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. Students will specialize in transdisciplinary media development. More information about arts, media and engineering can be found at https://artsmediaengineering.asu.edu/ (https://artsmediaengineering.asu.edu/).

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core Areas ( 15 credit hours)
architecture and networked systems (3)
intelligent and interactive systems (3)
data and information systems (3)
software and information assurance (3)
foundations of computation and algorithms (3)

Depth (6 credit hours)
six additional credit hours in one core area (6)

Concentration (18 credit hours)

Electives (15 credit hours)

Research (18 credit hours)

Culminating Experience (12 credit hours)
CSE 799 Dissertation (12)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area. Courses that are used to satisfy the core area requirement cannot be used to satisfy the concentration requirement or other requirements.

Students choose courses for the arts, media and engineering concentration in consultation with their graduate advisor. Up to 18 credit hours of CSE 590 and CSE 790 are allowed on the plan of study. Additional restrictions may apply to electives course selection.

When approved by the academic unit and the Graduate College, 30 credit hours from a previously awarded master's degree are allowed to be used for this degree.

A maximum of six credit hours of 400 -level coursework may be applied to the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts from every university attended
- scores for the GRE
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

If the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU, GRE scores are not required.

The statement of purpose must fulfill any requirements defined by the Graduate College and also address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. Further information on how this statement can be expanded upon by students interested in a research assistantship or an Integrative Graduate Education and Research Traineeship within arts, media and engineering is available from the department. Students should submit a current curriculum vitae with the statement of purpose.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of " B " ( 3.00 on a 4.00 scale) or higher within two semesters of admission to the program. Deficiency courses are:
CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

Applications deadlines are posted on the program website.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/
CTRPT 105
cidse.advising@asu.edu
480-965-3199
Computer Science (Big Data Systems), MCS (ESCSEBDMCS)
Online Degree Search Title: Computer Science (Big Data Systems), MCS
Campus: Tempe

## Program Description:

The big data systems concentration under the MCS degree is designed for graduate students who want to pursue a thorough education in the area
of big data systems.

The goal of this concentration is to provide students the knowledge, skills and expertise in designing scalable systems (parallel, distributed and real time) for acquiring, storing, processing and accessing large-scale heterogeneous multisource data and in using analytical tools to mine information from the data.

Graduates will be able to choose and deploy the appropriate data management processing and analysis systems with a suitable structured or unstructured data model that a particular task and domain application needs. This program will provide a competitive advantage to secure employment as there is a growing need for data scientists and engineers who can architect, implement and manage large data systems.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a portfolio.

Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Concentration (9 credit hours)
CSE 510 Database Management System Implementation (3)
CSE 512 Distributed Database Systems (3)
CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)

Restricted Electives (6 credit hours)

Electives or Research (6 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for electives and each core area in applications, foundations and systems.

Coursework selected as part of the area core may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total credit hours of their plan of study are equal to 30

At least 24 of these hours must be CSE 5XX credits at ASU. A maximum of four CSE 598 courses may be allowed as elective coursework, which cannot include courses taken at the undergraduate level. All 30 credit hours must be from formal coursework (including CSE 591). CSE 590 will not be allowed as part of the MCS program plan of study

All MCS program students must complete a project portfolio from three courses in which the student received a "B" (3.00) grade or higher.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
statement of purpose
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Official TOEFL scores should be submitted from tests that have been taken within the last two years (only required for those who did not graduate with a baccalaureate degree from an accredited U.S. institution). The TOEFL score must be valid on the first day of class for the term the student is applying for. The School of Computing, Informatics and Decision Systems Engineering requires that TOEFL scores must be above 575 (paper) or 90 (iBT), or that the minimum IELTS is an overall band score of 7.0.

All international records must be submitted in the original language accompanied by an official English translation. If the student has attended a U.S. institution, one set of official transcripts from every college and university attended, except ASU, is required.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of ""B"" (3.00) or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/
CTRPT 105
cidse.advising@asu.edu
480-965-3199

## Computer Science (Big Data Systems), MS (ESCSEBDMS)

Online Degree Search Title: Computer Science (Big Data Systems), MS Campus: Tempe

## Program Description:

The big data systems concentration under the MS in computer science degree program is designed for graduate students who want to pursue a thorough education and research in the area of big data systems.

The goal of this concentration is to provide students the knowledge, skills and advanced research expertise in designing scalable (parallel, distributed and real-time) systems for acquiring, storing, processing and accessing large-scale heterogeneous multisource data and in using analytical tools to mine information from the data.

Graduates will be able to choose and deploy the appropriate data management processing and analysis systems with a suitable structured or unstructured data model that a particular task and domain application needs. This concentration program will provide a competitive advantage to secure employment as there is a growing need for data scientists and engineers who can architect, implement and manage large data systems.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years.
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis.

Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Concentration (9 credit hours)
CSE 510 Database Management System Implementation (3)
CSE 512 Distributed Database Systems (3)
CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)

Restricted Electives (6 or 12 credit hours)
CSE 515 Multimedia and Web Databases (3)
CSE 546 Cloud Computing (3)
CSE 573 Semantic Web Mining (3)
CSE 575 Statistical Machine Learning (3)
CSE 591 Topic: Data Visualization (3)

Culminating Experience (0 or 6 credit hours)
CSE 599 Thesis (6) or
portfolio

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Students in the thesis option take six credit hours of electives and students in the portfolio option take 12 credit hours of electives. The project portfolio is developed from three courses in which the student received a "B" (3.00) grade or higher and should have significant content in big data systems. Students should see the academic unit for additional information and requirements.

Students will complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be $500-l e v e l$ CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE test scores
- three letters of recommendation
- statement of purpose
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Official TOEFL scores should be submitted from tests that must have been taken within the last two years (only required for those who did not graduate with a baccalaureate degree from an accredited U.S. institution). The TOEFL score must be valid on the first day of class for the term the student is applying for. CIDSE requires that TOEFL scores must be above 575 (paper) or 90 (iBT), or that the minimum IELTS is an overall band score of 7.0 .

All international records must be submitted in the original language accompanied by an official English translation. If the student has attended a U.S. institution, one set of official transcripts from every college and university attended, except ASU, is required.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (scale is $4.00=$ " A ") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/
CTRPT 105
cidse.advising@asu.edu
480-965-3199

## Computer Science (Biomedical Informatics), MS (ESCSBIOIMS)

Online Degree Search Title: Computer Science (Biomedical Informatics), MS
Campus: Tempe

## Program Description:

The MS program in computer science with a concentration in biomedical informatics is designed for graduate students who wish to specialize in such topics as genomics and computational systems biology. The concentration is transdisciplinary in nature, providing preparation that integrates technological expertise in the information sciences, computer science, biosciences and statistics with an understanding of the clinical environment of the health care professional. It will expose computer science students to current issues in clinical practice as well as the use of information systems in health care settings.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis.

Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Concentration (9 credit hours)
BMI 501 Introduction to Biomedical Informatics (3)
BMI 540 Problem Solving in Biomedical Informatics (3)
BMI 5XX approved elective in biomedical informatics (3)

Electives or Research (6 credit hours)

Culminating Experience (6 credit hours)
CSE 599 Thesis (6)

Additional Curriculum Information
Students will focus their research in one of the following areas: bioinformatics, biomedical informatics, clinical informatics, imaging informatics or public health informatics.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study. Students will complete a minimum of 30 credit hours for the program. At least 21 of these credit hours must be 500 -level CSE courses at ASU.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score.

The student must submit verbal, quantitative and analytical GRE scores (optional: subject test in computer science), unless the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU.

Students assigned any deficiency coursework upon admission must complete those classes with a grade of ""B"" (scale is $4.00=$ ""A"") or higher within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

Students should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/
CTRPT 105
cidse.advising@asu.edu
480-965-3199

## Computer Science (Information Assurance), MCS (ESCSEIMCS)

Online Degree Search Title: Computer Science (Cybersecurity), MCS
Campus: Tempe

## Program Description:

The MCS program with a concentration in cybersecurity is designed for graduate students who want to pursue a thorough education in the area of cybersecurity, also known as information assurance. The goal of this concentration is to provide students the knowledge and skills in science and engineering for cybersecurity, including computer and network security, software security, data and information security, applied cryptography and
computer forensics.

The concentration in cybersecurity is an advanced degree targeted at students with an undergraduate education in computing and related disciplines and at students employed in industry who can best profit from further breadth and background in computer science and information assurance. Students will have a competitive advantage to secure employment.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on information assurance courseware at ASU, students should see http://ia.asu.edu/education.php (http://ia.asu.edu/education.php).

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a portfolio.

Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Concentration ( 15 credit hours)
CSE 539 Applied Cryptography (3)
CSE 543 Information Assurance and Security (3)
CSE 545 Software Security (3)
CSE 548 Advanced Computer Network Security (3)

Choose one:
CSE 466 Computer Systems Security (3)
CSE 467 Data and Information Security (3)
CSE 469 Computer and Network Forensics (3)
CSE 531 Distributed and Multiprocessor Operating Systems (3)
CSE 534 Advanced Computer Networks (3)
CSE 565 Software Verification, Validation and Testing (3)

Electives or Research (6 credit hours)

Culminating Experience (0 credit hours)
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Coursework selected as part of the area core may not be used as elective coursework on the same plan of study. Students should check with their academic advisor to ensure that the total credit hours of their plan of study are equal to 30 .

The interactive plan of study must contain a minimum of 30 credit hours of approved graduate-level work. At least 24 of these hours must be CSE $5 X X$ credits at ASU. A maximum of four CSE 598 courses may be allowed as elective coursework, which cannot include courses taken at the undergraduate level. All 30 credit hours must be from formal coursework (including CSE 591). CSE 590 will not be allowed as part of the MCS program.

All MCS program students must complete a project portfolio from three courses in which the student received a "B" (3.00) grade or higher.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in computer science, computer engineering or a closely related area, from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of purpose
-three letters of recommendation
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of their current residency) must provide proof of English proficiency https://students.asu.edu/graduate/proficiency ("https://students.asu.edu/graduate/proficiency")

Students assigned any deficiency coursework upon admission must complete those classes with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming (3)
CSE 310 Data Structures and Algorithms (3)
CSE 330 Operating Systems (3)
CSE 340 Principles of Programming Languages (3)
CSE 355 Introduction to Theoretical Computer Science (3)
CSE 360 Introduction to Software Engineering (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

Applicants should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/
CTRPT 105
cidse.advising@asu.edu
480-965-3199
Computer Science (Information Assurance), MS (ESCSEIAMS)
Online Degree Search Title: Computer Science (Cybersecurity), MS
Campus: Tempe

## Program Description:

The MS program in computer science with a concentration in cybersecurity is designed for graduate students who want to pursue a thorough education in the area of information assurance. The goal of this concentration is to provide students the knowledge and skills needed in science and engineering for cybersecurity, also known as information assurance. This includes computer and network security, software security, data and information security, applied cryptography and computer forensics. Students will have a competitive advantage to secure employment.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on information assurance courseware at ASU, students should see http://ia.asu.edu/education.php (http://ia.asu.edu/education.php).

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:

```
Computer Science, BS
Computer Science (Cybersecurity), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Cybersecurity), BSE
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Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis.

Required Core Areas (9 credit hours)
applications (3)
foundations (3)
systems (3)

Concentration (9 credit hours)
CSE 543 Information Assurance and Security (3)
CSE 545 Software Security (3)
CSE 548 Advanced Computer Network Security (3)

Electives (6 or 12 credit hours)

Culminating Experience (0 or 6 credit hours)
CSE 599 Thesis (6) or
portfolio

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area in applications, foundations and systems.

Courses that are used to satisfy the concentration requirement on the plan of study cannot be used to satisfy the core requirement. Additionally, courses selected as part of the core or concentration may not be used as other elective coursework on the same plan of study.

Students complete a thesis or portfolio for the culminating experience. Students completing a portfolio take 12 credit hours of electives and must follow the academic unit's requirements for portfolio projects. Students should see the academic unit for more information.

Students will complete a minimum of 30 credit hours for the program. At least 24 of these credit hours must be 500-level CSE courses at ASU. Up to six credit hours of 400-level courses may be applied to the plan of study.

Students must complete 15 credit hours of approved information assurance coursework. Students should see the School of Computing, Informatics, and Decision Systems Engineering website for more information.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply for the program if they have earned a bachelor's or master's degree in computer science, computer engineering or a closely related area from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU
- a statement of purpose
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

Applicants assigned any deficiency coursework upon admission must complete those classes with a grade of " B " ( scale is $4.00=$ " A ") or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science
CSE 360 Introduction to Software Engineering

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

Applicants should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/
CTRPT 105
cidse.advising@asu.edu
480-965-3199
Computer Science (Information Assurance), PHD (ESCSEIAPHD)
Online Degree Search Title: Computer Science (Cybersecurity), PhD
Campus: Tempe

## Program Description:

The PhD program in computer science with a concentration in cybersecurity is designed for graduate students who want to pursue a thorough education in the area of cybersecurity, also known as information assurance. The goal of this concentration is to provide students the knowledge and skills in science and engineering for cybersecurity, including:

- applied cryptography
- computer and network security
- computer forensics
- data and information security
- software security

Students will have a competitive advantage to secure employment. According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). More information on information assurance courseware at ASU is available at http://ia.asu.edu/education.php (http://ia.asu.edu/education.php).

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core Areas (15 credit hours) architecture and networked systems (3)
intelligent and interactive systems (3)
data and information systems (3)
software and information assurance (3)
foundations of computation and algorithms (3)

Depth (6 credit hours)
six additional credit hours in one core area (6)

Concentration (12 credit hours)

Electives (21 credit hours)

Research (18 credit hours)

Culminating Experience (12 credit hours)
CSE 799 Dissertation (12)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each core area. Courses that are used to satisfy the core area requirement cannot be used to satisfy the concentration requirement or other requirements.

Students choose courses for the cybersecurity concentration in consultation with their graduate advisor. Students should refer to https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/ (https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/) for more information on information assurance course options.

Up to 18 hours of CSE 590 and CSE 790 are allowed on the plan of study. Additional restrictions may apply to electives course selection.

When approved by the academic unit and the Graduate College, 30 credit hours from a previously awarded master's degree are allowed to be used for this degree.

A maximum of six credit hours of 400-level coursework may be applied on the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in computer science, computer engineering or a closely related area. Most applicants should have earned a master's degree, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from every university attended
- scores for the GRE
- three letters of recommendation
- a statement of purpose
- curriculum vitae or resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

If the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU, GRE scores are not required.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of "B" ( 3.00 on a 4.00 scale) or higher within two semesters of admission to the program. Deficiency courses include:
CSE 230 Computer Organization and Assembly Language Programming
CSE 310 Data Structures and Algorithms
CSE 330 Operating Systems
CSE 340 Principles of Programming Languages
CSE 355 Introduction to Theoretical Computer Science

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

Students should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/graduate/computer-science/
CTRPT 105
cidse.advising@asu.edu
480-965-3199

## Construction Engineering, MSE (ESCONEMSE)

Online Degree Search Title: Construction Engineering, MSE
Campus: Tempe

## Program Description:

The MSE in construction engineering is a transdisciplinary program that encompasses the areas of geotechnical engineering, structural engineering, transportation engineering, construction engineering and management-related topics. The degree program focuses on a combination of design and management topics that prepare the student for a career working at the interface of design and construction. The program is especially desirable to those students who are interested in a career emphasizing construction of infrastructure.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Civil Engineering, BSE
Civil Engineering (Environmental Engineering), BSE
Civil Engineering (Sustainable Engineering), BSE
Construction Engineering, BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a written comprehensive exam.

All candidates for the Master of Science in Engineering are required to complete approved graduate coursework.

Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate.

Details of the comprehensive written examinations for the different specialty areas can be obtained on the graduate studies section of the program's website.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to to apply to the program if they have earned a bachelor's or master's degree in engineering or other closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

1. graduate admission application and application fee
2. official transcripts
3. GRE scores
4. proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must take the GRE and have their scores sent to Graduate Admission Services. Prospective students should note that the following two requirements need to be met for consideration for admission: minimum score in the quantitative section is 700 and a minimum combined quantitative and verbal score is 1100 . More information regarding how to send official GRE scores to Graduate Admission Services can be found at https://students.asu.edu/graduate/standards (https://students.asu.edu/graduate/standards)

A student whose undergraduate degree is not in civil or construction engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained on the graduate studies section of the program's website.

Applicants with an undergraduate GPA lower than 3.00 may be provisionally admitted at the discretion of the admission committee.

## Change of Major Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Entry into this program normally requires a bachelor's degree with a major in engineering or a closely related bachelor's degree program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator.

A student whose undergraduate degree is not in civil or construction engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained on the graduate studies section of the program's website.

Applicants must take the GRE and have their scores sent to Graduate Admission Services. Prospective students should note that the following two requirements need to be met for consideration for admission: a minimum score of 155 in the quantitative section and a minimum combined quantitative and verbal score of 301. More information regarding how to send official GRE scores to Graduate Admission Services can be found at https://students.asu.edu/graduate/standards (https://students.asu.edu/graduate/standards).

## Contact Information:

Engineering, Ira A. Fulton Schools of
Construction Engineering
https://ssebe.engineering.asu.edu/construction-engineering-home/degree-grad/
CAVC 437
sebe.advising@asu.edu
480-965-0595
Construction Management, MS (ESCONSTMS)
Online Degree Search Title: Construction Management, MS
Campus: Tempe, Online

## Program Description:

The faculty of the Del E. Webb School of Construction offer a graduate program leading to the MS in construction management. The transdisciplinary nature of the program allows a candidate's plan of study to reflect individual interests and career goals.

The primary objective of the program is to allow students with a bachelor's degree in construction or a related field such as architecture, business or engineering to broaden and improve their professional capabilities in construction. The program is designed to meet the growing need for professionals with advanced technical, management and applied research skills in the construction industry.

The facilities management specialty area supports the needs of the student desiring a career in the maintenance, operation, renovation or decommissioning of existing facilities. The construction management specialty area allows students seeking upper-level management positions in various sectors of the construction industry to improve their competency in project, program and company management areas.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Construction Management, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours and an applied project (CON 593).

Required Core ( 9 credit hours)

Project Management Core Area (3 credit hours)
CON 530 Facilities Operations and Maintenance (3)
CON 532 Facilities Project Management (3)
CON 545 Construction Project Management (3)
CON 551 Alternative Project Delivery Methods (3)
CON 557 Principles of Leadership for Project Managers (3)

Project Controls Core Area (3 credit hours)
CON 540 Construction Productivity (3)
CON 567 Advanced Procurement Systems (3)
CON 589 Construction Company Financial Control (3)

Construction Technology Core Area (3 credit hours)
CON 531 Facility Management: Building Energy Management (3)
CON 554 Trenchless Construction Methods (3)
CON 570 Introduction to Advanced Technology Facilities (3)
CON 571 Construction of Advanced Technology Facilities (3)
CON 575 Information Technology in Construction (3)

Electives or Research (15-21 credit hours)

Culminating Experience (0-6 credit hours)
CON 593 Applied Project (3)
CON 599 Thesis (6)
written comprehensive exam (0)

Additional Curriculum Information
Students chose one three-credit hour course from each of the core areas listed above for a total of nine credit hours. If a course is chosen as a core area course, it cannot be used as an elective course simultaneously.

The number of electives and research will be adjusted depending on the culminating experience chosen by the student.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- current resume
- an evaluation of the student's academic and professional background
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency by meeting the Graduate College English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English, and a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

Applicants are expected to be competent in basic construction topics.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-construction-management?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
https://ssebe.engineering.asu.edu/construction-management-home/degree-grad/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Construction Management, PHD (ESCONPHD)

Online Degree Search Title: Construction Management, PhD
Campus: Tempe

## Program Description:

The faculty in the Del E. Webb School of Construction offer a graduate program leading to the PhD degree in construction management. The purpose of the construction management doctoral program is to prepare research scholars, new faculty and professionals for positions in industry, universities and government as well as to facilitate a higher level of investigation and knowledge creation through the professor-doctoral student dynamic.

The Del E. Webb School of Construction is distinctively positioned to provide students with a transdisciplinary educational and research experience at the doctoral level, which will provide value in construction education, research and industry programs, private construction research facilities, and high-level management positions in the construction industry.

The objectives of the degree program include providing research experience for doctoral students who might wish to pursue careers in either industry or academia as members of transdisciplinary research teams as well as providing a high-level transdisciplinary doctoral education for those who wish to develop academic careers teaching at the university level.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The doctoral program in construction will typically require three to four years of full-time study and research beyond the master's degree. Generally, students will be admitted into the doctoral program at or near the completion of their master's degree.

The program requires 84 credit hours post-bachelor's degree or 54 credit hours post-master's degree

The program consists of:

- core construction courses
- elective courses
- a qualifying examination
- a written and oral comprehensive examination
- admission to candidacy
- successful defense of a dissertation prospectus and complete dissertation


## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.
program. Only exceptional students will be admitted without a master's degree. Related fields include construction, civil engineering, architecture and business. At the discretion of the admission committee, students from other disciplines may be eligible as well. In addition, applicants are expected to be competent in construction topics.

Applicants must have a minimum of a 3.20 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.
All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- a current resume
- an evaluation of the student's academic and professional background
- masters' degree thesis abstract
- a personal statement from each applicant describing their career goals and research objectives
- research interests
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.
Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit or a score of 26 on the speaking portion of the TOEFL is required.

Applicants must take the GRE and have their official scores sent directly to Graduate Admission Services. More information regarding how to send official GRE scores can be found on the Graduate Admission Services website.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
https://ssebe.engineering.asu.edu/construction-management-home/degree-grad/
ECG 437
sebe.advising@asu.edu
480-965-0595

## Electrical Engineering, MS (ESEEMS)

Online Degree Search Title: Electrical Engineering, MS

## Campus: Tempe

## Program Description:

This program does not accept applications to the MS directly. Students should apply to the MSE program and, once admitted, consult with the Master of Science in Engineering program advisors if interested in the Master of Science program.

The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a research program leading to the Master of Science in electrical engineering.

Graduate courses and programs are offered in the following six areas of specialization:

- control systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- electric power and energy systems
- signal processing and communications
- physical electronics and photonics


## Degree Requirements:

30 credit hours and a thesis.

The credits earned toward this research degree must include a minimum of eight courses ( 24 credit hours minimum) and six hours of EEE 599 (thesis). As part of the eight courses, at least two should be outside the area of specialization.
at least four EEE courses
at least two courses outside the area of specialization
at most two 400-level courses
at least three EEE 500-level courses
at most one EEE 590 Reading and Conference or FSE course
exam

A final oral examination in defense of the thesis completes the master's degree requirements.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students desiring the Master of Science in electrical engineering must initially apply to the Master of Science in Engineering program. Students who later obtain a research advisor may transfer to the Master of Science program.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Electrical Engineering, MSE (ESEEMSE)

Online Degree Search Title: Electrical Engineering, MSE
Campus: Tempe, Online

## Program Description:

The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a professional program leading to the MSE in electrical engineering. Graduate courses and programs are offered in the following six areas of specialization:

- control systems (not an option for the online degree but available to on-campus students)
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- electric power and energy systems
- signal processing and communications
- physical electronics and photonics

Courses are available on campus and online. The degree can be completed taking all classes on campus or all classes online.

A concurrent degree, the MBA/MSE in electrical engineering, is available as an online option. For more information, students should visit https://wpcarey.asu.edu/mba-programs/online/concurrent-degrees (https://wpcarey.asu.edu/mba-programs/online/concurrent-degrees).

## Concurrent Degrees:

This degree is also offered as concurrent degree program with W. P. Carey MBA - Online Program

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Electrical Engineering, BSE
Electrical Engineering (Electric Power and Energy Systems), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a written comprehensive exam.

The master's degree in electrical engineering is a professional degree requiring a minimum of 30 credit hours of coursework (a minimum of 10 classes) and a final comprehensive examination in the area of specialization. The examination is given each semester at the end of the sixth week of classes.

Requirements include:
at least five EEE courses
at least three EEE 500-level courses
at least two courses outside the area of specialization
at most one EEE 590 Reading and Conference or FSE course
at most two 400-level courses

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

The decision to admit a student who has earned a bachelor's degree from a program accredited by ABET to a master's degree program in electrical engineering is based on a number of factors. A minimum requirement is an undergraduate GPA of 3.00 (scale is $4.00=$ "A") in the student's last two years of undergraduate work. A student whose undergraduate degree is not from an ABET-accredited program must have the equivalent of at least a 3.50 GPA in the last two years of undergraduate study and must score 156 or higher on the quantitative section of the GRE general test.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the iBT or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

A candidate whose undergraduate degree is not in electrical engineering may need to take appropriate undergraduate courses to establish a baseline of knowledge in the discipline.

Applicants should see the program website for application deadlines.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-science-engineering-electrical-engineering?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Electrical Engineering, PHD (ESEEPHD)

Online Degree Search Title: Electrical Engineering, PhD
Campus: Tempe

## Program Description:

The PhD in electrical engineering is awarded upon evidence of excellence in research leading to a scholarly dissertation that is a contribution to knowledge. Graduate courses and programs are offered in the following six areas of specialization:

- control systems
- electric power and energy systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- physical electronics and photonics
- signal processing and communications


## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Doctoral students are required to complete 84 credit hours of academic credit beyond the bachelor's degree. The following summarizes the degree course requirements:

Master's degree ( 30 credit hours)
from any accredited institution

Electives 500-level or above (18 credit hours)
at least nine credit hours of EEE courses

Research Class or Omnibus Courses (12 credit hours)
can be 400-level and above or
EEE 792 Research (12)

Dissertation (12 credit hours)
EEE 799 Dissertation (12)

Additional Curriculum Information
The 84 credit hours include 30 credit hours from the master's degree, a required 18 credit hours of doctoral coursework, 12 credit hours of research (EEE 792), and 12 credit hours (and only 12 credit hours) of dissertation (EEE 799).

The additional 12 credit hours can be more hours of research (EEE 792) or can be class work as determined by the supervisory committee. At least half (nine credit hours) of the minimum requirement of 18 credit hours of doctoral coursework must be in electrical engineering. EEE 790 Reading and Conference can be used for no more than three credit hours toward the required 18 but does not count toward the nine hours of 500 -level EEE classes required.

All courses counting toward the required 18-credit hour minimum must be at the 500 level or higher. Note: All courses having the prefix EEE 591 count as 400-level courses. No more than one three-hour reading and conference (EEE 790) course may be taken as part of the 18-hour requirement. The content of any proposed reading and conference course must be reviewed and approved by the electrical engineering graduate program chair before a student registers for the course.

A qualifying examination, a comprehensive exam and the dissertation defense are required. Additional information on the program can be found in the "Blue Student Guide" published and available on the program's website.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

In general, a student must have a least a 3.00 GPA (scale is $4.00=$ "A") in all undergraduate coursework and at least a 3.50 GPA (scale is $4.00=$ "A") in all graduate coursework for admission to the doctoral program. A student must usually hold a master's degree before being admitted to the doctoral program. Direct doctoral admission is available for students graduating from an ABET-accredited electrical engineering program with a GPA of 3.60 (scale is $4.00=$ " A ") or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the Internet-based TOEFL or 50 on the ASU-administered Speaking Proficiency English Assessment Kit

A student whose master's degree is not from a U.S. institution must score 156 or higher on the quantitative section of the GRE General Test. A good score on the writing portion is considered desirable.

A student whose undergraduate degree is not in electrical engineering may need to take appropriate undergraduate courses to establish a baseline of knowledge in the discipline.

Applicants should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)

Online Degree Search Title: Electrical Engineering (Art, Media and Eng), MS
Campus: Tempe

## Program Description:

A concentration in arts, media and engineering has been established as a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts. This concentration is available for both MS and PhD students admitted to this program who take twothirds of their course, research and thesis credits from the electrical engineering program and one-third of the credits from the arts, media and engineering program. All applicants are strongly encouraged to see the FAQ on this concentration available at https://ecee.engineering.asu.edu/academics/doctoral-degrees/electrical-engineering-arts-media-and-engineering-m-s-ph-d/ (https://ecee.engineering.asu.edu/academics/doctoral-degrees/electrical-engineering-arts-media-and-engineering-m-s-ph-d/).

Electrical engineering students in the arts, media and engineering concentration undergo training toward integrating principles of digital signal processing, pattern recognition, computer vision and multimedia computing with transdisciplinary objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. Examples include media-based intelligent systems for health care and well-being as well as promotion of environmentally sustainable practices. For more information, students should see http://research.ame.asu.edu (http://research.ame.asu.edu/).

## Degree Requirements:

30 credit hours and a thesis.

Eight courses are required, typically five from EEE and three from AME. In addition, six credit hours of thesis are required, typically four credits from EEE and two from AME.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Students from ABET-accredited undergraduate programs who wish to be considered for a master's degree program must have a minimum GPA of 3.00 (scale is $4.00=$ "A") in the last two years of undergraduate coursework. Students from undergraduate programs that are not accredited by ABET must have a minimum GPA of 3.50 (scale is $4.00=$ " A ") in the last two years of undergraduate coursework or have graduated first class with distinction and must score in the 90th percentile or higher on the quantitative section of the GRE general test.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International applicants seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the Internet-based TOEFL or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

Applicants should submit materials that reflect the hybrid nature of the arts and engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Applicants will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, the arts, media and engineering program requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in a transdisciplinary research environment.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)

Online Degree Search Title: Electrical Engineering (Art, Media and Eng), PhD

## Campus: Tempe

## Program Description:

A concentration in arts, media and engineering has been established as a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts. This concentration is available both for the MS and the PhD students admitted to this program who take two-thirds of their coursework from electrical engineering and one-third of the credits from the arts, media and engineering program.

All applicants are strongly encouraged to see the FAQ on this concentration available at https://ecee.engineering.asu.edu/academics/doctoral-degrees/electrical-engineering-arts-media-and-engineering-m-s-ph-d/ (https://ecee.engineering.asu.edu/academics/doctoral-degrees/electrical-engineering-arts-media-and-engineering-m-s-ph-d/).

Electrical engineering students in the arts, media and engineering concentration undergo training toward integrating principles of digital signal processing, pattern recognition, computer vision and multimedia computing with transdisciplinary objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. Examples include media-based intelligent systems for health care and well-being, as well as promotion of environmentally sustainable practices. For more information, students should see http://research.ame.asu.edu (http://research.ame.asu.edu).

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The program requires the following:
a comprehensive examination
the dissertation defense
a qualifying examination
10 courses, typically seven from EEE and three from AME
12 credit hours of dissertation, typically eight credits from EEE and four from AME
12 credit hours of research, typically eight credits from EEE and four from AME

## Admission Requirements:

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants with a master's degree who wish to be considered for the doctoral program must have a minimum GPA of 3.50 (scale is $4.00=$ "A") in their master's degree program. Applicants without a master's degree must have a minimum GPA of 3.60 (scale is $4.00=$ "A") in the last two years of undergraduate coursework and have graduated from an ABET-accredited undergraduate program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the iBT or 50 on the ASU-administered Speaking Proficiency English Assessment Kit.

Applicants should submit materials that reflect the transdisciplinary nature of the arts and engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Students will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, the arts, media and engineering program requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in a transdisciplinary research environment.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Engineering, MEng (ESENGRMENG)

Online Degree Search Title: Master of Engineering, MEng
Campus: Tempe, Online

## Program Description:

When pursuing an MEng, students can customize their learning experience by selecting a curriculum that addresses their academic and professional goals. The master's degree program is designed for working professionals and is delivered entirely online to meet the unique needs of professional engineers. It is a practice-oriented degree program.

In the master's degree program, multiple emphasis areas are available with additional areas under development. Within each area, there are specific course requirements in addition to the general program requirements. Students can select one of several areas of study available, such as:

- engineering management
- quality, reliability and statistical engineering
- systems engineering

Engineers who enter the master's degree program have the opportunity to gain valuable experience applicable to their industry while gaining an advanced degree. Convenience and flexibility are key advantages of this program. The Master of Engineering, which can be earned entirely through distance learning, is a 30 credit hour degree program that does not require GRE results, a thesis or on-campus attendance.

The master's degree program is only available through distance learning. The degree program is supported through online courses available from the Ira A. Fulton Schools of Engineering.

## Degree Requirements:

30 credit hours and a written comprehensive exam, or 30 credit hours and an oral comprehensive exam, or 30 credit hours including the required applied project course (CSE 593 or IEE 585 or IEE 593).
oriented project, must be in engineering

Students must complete three credit hours of applied engineering mathematics and three credit hours of engineering management or business.

A culminating event is required and will be identified by the student's advisory committee. It could be a final written or oral examination or the final report of a practice-oriented project. Additional requirements may exist for some academic units and emphasis areas of the Master of Engineering program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in the desired field of study, from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is $4.00=$ "A") in the last 60 credit hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from all institutions attended
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Engineering, Ira A. Fulton Schools of
Dean, Ira A. Fulton Schools of Engineering
https://asuengineeringonline.com
CAVC 375
student-fseonline@asu.edu
480-965-0637

## Engineering, MS (TSEGRMS)

Online Degree Search Title: Engineering, MS
Campus: Polytechnic

## Program Description:

The MS program in engineering consists of a core set of courses designed for students to develop applied analytical expertise across disciplinary boundaries, with direct applications of advanced design principles to system design, management and control. The expertise developed in the core curriculum is reinforced through focus areas that provide flexibility for the student, including alternative energy, mechanical and manufacturing engineering. The culminating experience options are also flexible, allowing students to tailor the program to support their unique career goals while also becoming problem solvers who create and shape the future.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Engineering (Automotive Systems), BSE
Engineering (Electrical Systems), BSE
Engineering (Mechanical Engineering Systems), BSE
Engineering (Robotics), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including an Written Comprehensive Exam, or 30 credit hours including the required Applied Project course (EGR 593).

Required Core ( 6 credit hours)
EGR 520 Engineering Analysis (3)
EGR 530 Principles of Systems Engineering (3)

Focus Area (15 credit hours)

Electives (3 or 6 credit hours)

Other Requirement (0 or 3 credit hours)
EGR 535 Engineering Innovation and Entrepreneurship (3)

Culminating Experience ( $0-6$ credit hours)
EGR 593 Applied Project (3) or
EGR 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for a list of approved electives.

The elective credit hours required are dependent upon the chosen culminating experience option. Completion of 30 credit hours of coursework is required for all culminating experience options.

Thesis students are not required to take the EGR 535 course. For applied project and portfolio students, other courses may be used as substitutions with approval from the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a U.S. bachelor's or master's degree from a regionally accredited institution, or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country in engineering, physical sciences, mathematics or a similar field.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- professional resume
- GRE test scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the Graduate Admission Services website at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education will be considered.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/ms-engineering/
WANER 204
polygrad@asu.edu
480-727-1874

Online Degree Search Title: Engineering Education Systems and Design, PhD
Campus: Polytechnic

## Program Description:

The PhD program in engineering education systems and design aims to advance understanding of the engineering education ecosystem. The goal of the program is to enable long-lasting improvement of the learning process and infrastructure in engineering education at all levels (i.e., K-12, higher education, engineering professionals, graduate students, etc.) by emphasizing the study of education as a complex ecosystem that takes into account the multiple inputs, outputs and interactions within an educational setting.

A typical student will enter the program with a master's degree in an engineering or a related discipline and will select a research area such as engineering student pathways, increasing participation and retention of underrepresented groups in engineering, making and the maker movement, effective teaching and assessment strategies, the application of learner analytics to relevant data, or entrepreneurship.

Upon completion of the program, students will be equipped to take competitive positions in top-tier research institutions as exemplary scholars and teachers, or as leaders in engineering education in a variety of education settings (e.g., universities, science centers, government agencies, museums, policy setting institutions or industries).

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, and a dissertation.

Required Core (18 credit hours)
EGR 535 Engineering Innovation and Entrepreneurship (3)
EGR 565 Qualitative Methods for Engineering Education Research (3)
EGR 572 Quantitative Methods for Engineering Education Research (3)
EGR 574 Engineering Education Systems in Context (3)
EGR 671 Applications of Qualitative Methods for Engineering Education Research (3)
EGR 673 Applications of Quantitative Methods for Engineering Education Research (3)

Electives and Research ( 24 credit hours)
Electives (12)
Research (12)

Culminating Experience (12 credit hours)
EGR 799 Dissertation (12)

Additional Curricular Information
Students may be allowed up to 30 credit hours from a previously awarded master's degree as approved by the academic unit and the Graduate College. If students do not have a master's degree, the remaining 30 credit hours must be made of at least 18 graduate-level credit hours in a particular engineering discipline and at most nine credit hours in support of the studentis dissertation research area.

Students are allowed up to six credit hours of 400 level coursework on the student plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in engineering, or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.75 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of the student's first bachelor's degree program coupled with a record of research or leadership accomplishments, or applicants must have a minimum of 3.25 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program. Exceptional undergraduates are encouraged to apply after completion of a BS degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- GRE scores
- three writing samples (more details are listed in the application)
- resume or curriculum vitae
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should visit https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency)for more information.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/phd/
WANER 204
polygrad@asu.edu
480-727-4723

## Engineering Science (Software Engineering), MSE (ESSFEMSE)

Online Degree Search Title: Engineering Science (Software Engineering), MSE
Campus: Online

## Program Description:

The MSE program in engineering science with a software engineering concentration offers specialized courses founded on the fundamentals and principles of software engineering. The program provides the knowledge and skills needed to work as a software engineer or software task leader on large and small projects using either agile methodologies or formal capability maturity model integration approaches. The program addresses major software development methodologies, techniques, tools and processes for developing and managing software projects. The curriculum is based on the Software Engineering Body of Knowledge under the leadership of the IEEE Computer Society. Each course places an emphasis on applied assignments and projects that are relative to the student's workplace.

## Degree Requirements:

30 credit hours and a portfolio, or 30 credit hours including the required applied project course (CSE 593).

Required Core ( 9 credit hours)
CSE 543 Information Assurance and Security (3)
CSE 565 Software Verification, Validation and Testing (3)
CSE 566 Software Project, Process and Quality Management (3)

Concentration (3 credit hours)
CSE 591 Topic: Software Engineering Principles and Concepts (3)

Restricted Electives (15-18 credit hours)

Culminating Experience ( $0-3$ credit hours)
CSE 593 Applied Project (3)
Portfolio (0)

Additional Curriculum Information
For an approved list of restricted electives, students should see the academic unit.

Students select five or six elective courses: five for the applied project option or six for the portfolio option.

Two faculty member-approved 400-level courses may also be selected as electives for the restricted electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in computer engineering, software engineering or a related field from a regionally accredited institution.

Applicants must have a minimum GPA of 3.00 (scale is $4.00=$ " A ") in the last 60 credit hours of the student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 12 units of the postbaccalaureate transcript.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must provide evidence of demonstrated expertise in the area of object-oriented programming, advanced data structures, algorithm design and algorithm analysis; maturity in high-level programming (required); and successful completion of Calculus I (a minimum requirement).

GRE scores are not required.

Graduates of non-U.S. institutions must satisfy admission requirements established by the ASU Graduate College.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-science-engineering-engineering-science-concentration-software?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Engineering, Ira A. Fulton Schools of
Dean, Ira A. Fulton Schools of Engineering
https://asuengineeringonline.com/
CAVC 375
student-fseonline@asu.edu
480-965-0637

## Environmental and Resource Management, MS (ESERMMS)

Online Degree Search Title: Environmental and Resource Management, MS
Campus: Polytechnic

## Program Description:

The MS program in environmental and resource management provides students with a background in the sciences, engineering, environmental science, natural resources management, environmental health and safety, or other affiliated areas with the regulatory and technical background to mitigate the environmental impact of industrial sources of pollution, ensure compliance with environmental regulations, and manage and preserve natural ecosystems.

The curriculum focuses on areas such as environmental law, air pollution, soils and groundwater contamination, water law and policy, environmental toxicology, hazardous waste management, natural resources management, occupational health and safety, sustainable development, and international environmental laws and policies.

Graduate courses are available in a traditional face-to-face format as well as Web-based distance learning. While the faculty and program are based at the Polytechnic campus, the entire program can be completed online. It is possible to complete the program within two years, including summers. Many students are working professionals and are able to finish the degree while working full time.

Graduates are employed by manufacturing and mining industries, federal, state and local environmental and water agencies, environmental firms, utilities, international agencies such as the U.N. and World Bank, and NGOs.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years.
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Business (Global Agribusiness), BA
Environmental and Resource Management, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (ERM 593).

Required Core (9 credit hours)
ERM 502 Regulatory Framework for Toxic and Hazardous Substances (3)
ERM 503 Principles of Toxicology (3)
ERM 506 Chemistry of Hazardous Materials (3)

Culminating Experience ( $0-6$ credit hours)
ERM 593 Applied Project (3) or
ERM 599 Thesis (6) or
written comprehensive exam

Additional Curriculum Information
Students either select the environmental management track or the international environmental management track.

The number of electives or research credit hours required is dependent upon the student's chosen culminating experience. Thesis students will take the minimum six credit hours required, applied project students will take nine credit hours, and students taking the written comprehensive exam will complete 12 credit hours of electives coursework.

Students should see the academic unit for a complete list of approved electives and track courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in one of the following fields: environmental engineering, environmental and resource management, biology, chemistry, geology, environmental health, environmental management, environmental science, occupational safety and health, environmental technology, industrial hygiene, natural resource management, or a related field.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must meet English proficiency requirements, as defined by Graduate Admissions. Students should be sure to review the TOEFL, IELTS, or PTE score requirements
(https://students.asu.edu/graduate/proficiency), as the application will not be processed without valid proof of English proficiency.

The GRE can be waived in some situations. Students should refer to the GRE waiver request (https://poly.engineering.asu.edu/advising/graduatestudents/ (https://poly.engineering.asu.edu/advising/graduate-students/)) for more information and note that submitting the GRE waiver request is not a guarantee of approval.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Environmental and Resource Management
https://poly.engineering.asu.edu/erm/ms-environmental-and-resource-management/
WANER 204
polygrad@asu.edu
480-727-1874

## Environmental and Resource Management (Water Management), MS (ESERMWTMS)

Online Degree Search Title: Environmental and Resource Management (Water Management), MS
Campus: Polytechnic

## Program Description:

The MS degree program in environmental and resource management provides students with a background in the sciences, engineering, environmental sciences and other related disciplines along with the regulatory and technical background needed to mitigate the environmental impact of industrial sources of pollution, ensure compliance with environmental regulations, and manage and preserve natural ecosystems.
applicable especially to people who work in municipal, state, federal and tribal water and environmental agencies, water providers to urban and agricultural users, manufacturing and mining industries, as well as those interested in sustainable development in this country and around the world.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Environmental and Resource
Management, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (ERM 593).

Required Core ( 9 credit hours)
ERM 502 Regulatory Framework for Toxic and Hazardous Substances (3)
ERM 503 Principles of Toxicology (3)
ERM 506 Chemistry of Hazardous Materials (3)

Concentration ( 9 credit hours)
ERM 523 Soils and Groundwater Contamination (3)
ERM 533 Water and Wastewater Treatment Technologies (3)
ERM 535 Water Law and Policy (3)

Electives or Research (6-12 credit hours)

Culminating Experience ( $0-6$ credit hours)
ERM 593 Applied Project (3)
ERM 599 Thesis (6)
written comprehensive exam (0)

Additional Curriculum Information
Students choose one of the culminating experiences listed above. Thesis students will take six credit hours of electives and research; applied project students take nine credit hours of electives and research; and written comprehensive exam students take twelve credit hours of electives and research.

Students should see the academic unit for the approved course list for electives or research. Other coursework may be used with the approval of the academic unit.

The thesis and applied project options will have an oral defense.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the sciences (biology, chemistry, etc.), engineering, environmental sciences, ecology, environmental policy or related fields from a regionally accredited institution, or international equivalent.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- resume
- personal statement
- letters of recommendation
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must meet English proficiency requirements, as defined by Graduate Admissions. Students should visit https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency) for further English proficiency requirement information, including TOEFL, IELTS, or PTE score requirements. The application will not be processed without valid proof of English proficiency.

The GRE can be waived in some situations. Students should refer to the GRE waiver request (https://poly.engineering.asu.edu/advising/graduatestudents/ (https://poly.engineering.asu.edu/advising/graduate-students/)) for more information. Approval of the GRE waiver request does not guarantee admission to the program.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Environmental and Resource Management
https://poly.engineering.asu.edu/erm/
WANER 204
polygrad@asu.edu
480-727-1874

## Human Systems Engineering, MS (ECAPSYCHMS)

Online Degree Search Title: Human Systems Engineering, MS
Campus: Polytechnic

## Program Description:

The MS program in human systems engineering in the Ira A. Fulton Schools of Engineering provides students with a deep understanding of the science of human performance and with experience using methods and tools to apply this understanding to design and to problem solve in a wide variety of domains such as product usability, learning design, sports performance, and workplace and patient safety.

A broad range of professions needs experts in human factors to work on problems that involve an understanding of human performance. Students gain real-world experience by tackling projects that examine cutting-edge issues such as cell phones as a source of driver distraction, detection of improvised explosive devices, process optimization in health care, and even control of unmanned vehicles.

Interest areas include: user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, human-robot teaming, health psychology, learning optimization, social cognition, threat detection and sports psychology.

Recent graduates are working at places like Intel, Boeing, GoDaddy, Mayo Clinic, PayPal, Motorola, Google and the Air Force Research Lab. Recipients of ASU master's degree have also gone on to pursue doctorates at ASU and other prestigious institutions.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Human Systems Engineering, BS
Industrial and Organizational Psychology, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (HSE 593).

Required Core ( 9 credit hours)
HSE 520 Methods and Tools in Applied Cognitive Science (3)
HSE 542 Foundations of Human Systems Engineering (3)
PSY 530 Intermed Statistics (3)

Electives and Research (12 credit hours)

Other Requirement (3 credit hours)
HSE 598 Data Analytics (3)

Culminating Experience (6 credit hours)
HSE 593 Applied Project (6) OR
HSE 599 Thesis (6)

Additional Curriculum Information
Students have the option of doing a thesis or (with industry guidance) an applied project to develop and demonstrate professional knowledge and skills.

Students selecting the thesis option will, under faculty supervision, work on the thesis for at least one calendar year. The first three thesis credits will be devoted to developing an idea and preparing a proposal for approval by a faculty committee. The next three credits will allow for preparing the details of research design and data collection for the thesis (materials, computer programs, experimental test beds, questionnaires, etc.). The final six credits will be devoted to collecting and analyzing data and writing and revising the thesis under the direction of the student's committee chair. Students will defend the thesis in an oral examination.

In cases in which a student is engaged in a project initiated by industry, they may opt for the applied project option. Students selecting the applied project option will, under faculty supervision and guided by industry, carry out the applied project in a calendar year in which the 12 credit hours outside of the core are allocated to a combination of research, applied project and report writing appropriate to the goals of the student and the industry partner. In all cases, the project will culminate in a substantial written report followed by a comprehensive oral examination covering the project and other materials from required courses.

Applied project students take 12 elective credit hours, and thesis students take nine elective credit hours plus three credit hours of HSE 592 Research.

For other requirement, HSE 598 Data Analytics is required. Other courses may be used with approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field (including engineering, computer science or business) from a regionally accredited institution.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE general exam scores
- statement of purpose describing professional and academic aspirations
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Admission Services website: https://graduate.asu.edu/international (https://graduate.asu.edu/international).

The letters of recommendation should be from college professors, employers (in a human factors-related field) or a combination of both academic and professional references

Applicants to this program generally have completed an undergraduate course in statistics.

Only complete applications will be reviewed.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu/hse/ms/
WANER 204
polygrad@asu.edu
480-727-1874
Human Systems Engineering, PHD (TSSMACSPHD)
Online Degree Search Title: Human Systems Engineering, PhD
Campus: Polytechnic

## Program Description:

Human systems engineering describes a growing transdisciplinary field (including the disciplines of psychology, engineering and computer science)
that explores how people interact with technological and social systems in contexts that include transportation, medicine, military, computing and other complex systems. Cognitive science provides the foundation necessary for integrating human capabilities and limitations into complex sociotechnical systems (i.e., the practice of cognitive engineering), and the application of cognitive science relies heavily on human systems engineering methods.

A large domain exists in which the coupling of applied cognitive science with human factors is imperative. Examples include the following:

- development of intelligent agents
- driving simulators for research on driver distraction
- dynamical systems models of team interaction
- gaming simulators for studying business decision-making
- human-in-the-loop simulation studies of cybersecurity analysis
- medical simulation for health care research
- models of cognitive states and processes or sociocultural systems
- nuclear control room simulation for improved human system integration
- pilot training research using aircraft simulators
- simulation of consumer behavior
- tests of future airspace control concepts using air traffic control simulators

This PhD program is designed to produce individuals who are well-grounded and skilled in the methods of human systems engineering. Employers (e.g., Department of Defense, Federal Aviation Administration, Nuclear Regulatory Commission, hospitals, etc.) have an ever-increasing demand for personnel who can bridge the gap between rigorous science and solutions to real-world problems. The doctoral program provides transdisciplinary, research-driven training in the computing, engineering, technology, applied cognitive science and human systems integration.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)
HSE 520 Methods and Tools in Applied Cognitive Science (3)
HSE 521 Methods and Tools in Human Systems Engineering (3)
HSE 540 Foundations of Applied Cognitive Science (3)
HSE 542 Foundations of Human Systems Engineering (3)

Foundations (6 credit hours)

Methods and Tools (3 credit hours)

Applications (9 credit hours)

Electives (6-30 credit hours)

Research (6 credit hours)
HSE 792 Research (6) or additional electives as selected by the PhD committee

Culminating Experience (12 credit hours)
HSE 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives.

Electives will be identified by the committee and approved by executive committee's approval.

No more than 6 credit hours of 400-level course work can be included on a graduate plan of study.

Students may petition the HSE Executive Committee to allow HSE-relevant or dissertation--relevant courses to be included as HSE elective courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.
computer science or closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from each college or university attended
- official GRE general exam scores
- statement of research interests
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Complete information on the English proficiency exams and other required documents is available at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

Potential applicants should see the program website for application deadlines. Late applications may still be considered for the same application term; however, the department reserves the right to deny or not review a late application

Admission to the graduate degree program presupposes an adequate technical preparation in statistics, cognitive science and experimental methods. Applicants who lack some of the required preparation still may be admitted but assigned deficiency courses which must be completed within the first semester of starting the graduate program while concurrently enrolled in graduate-level coursework. Deficiency courses are assigned after admission is granted but before the start of the student's first semester. A faculty member will notify students with deficiencies and the specific course requirements via email.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu/hse/phd/
WANER 204
polygrad@asu.edu
480-727-1874

## Industrial Engineering, MS (ESINDENMS)

Online Degree Search Title: Industrial Engineering, MS
Campus: Tempe, Online

## Program Description:

Industrial engineering combines knowledge from the physical, mathematical and social sciences to design systems that integrate people, equipment and information in the most efficient way. Improvements made by industrial engineers in automation, information control and process quality revolutionized manufacturing in the past century and greatly increased quality of life. Trends toward globalization, increased complexity and rapid technological innovation create an even greater need for industrial engineering in the 21 st century.

Successful industrial engineering concepts are also spreading to the financial, logistics and health care services industries, affording new areas of opportunity.

Faculty members in the industrial engineering program are internationally recognized for their innovative research projects, funded both by government and industry. The MS program in industrial engineering at ASU is consistently ranked among the top 20 in the nation for graduate programs in the United States.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with W. P. Carey MBA - Online Program

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Engineering Management, BSE
Industrial Engineering, BSE

Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

Required Core (12 credit hours)
IEE 505 Information Systems Engineering (3) or IEE 506 Web-Enabled Decision Support Systems (3)
IEE 545 Simulating Stochastic Systems (3) or IEE 561 Production Systems (3)
IEE 572 Design Engineering Experiments (3) or IEE 573 Reliability Engineering (3) or IEE 578 Regression Analysis (3)
IEE 574 Applied Deterministic Operations Research (3) or IEE 575 Applied Stochastic Operations Research Models (3)

Elective (0-6 credit hours)

Related Area (9-12 credit hours)

Culminating Experience ( 6 credit hours)
IEE 599 Thesis (6) (thesis track only)

Additional Curriculum Information
The Master of Science in industrial engineering is a 30-credit hour program which has a thesis and a nonthesis track. The thesis track requires 24 credit hours of coursework, six credit hours of thesis, a written thesis and a final oral examination. The nonthesis track requires 30 credit hours of coursework and a comprehensive exam.

At the time of admission, students' applications are considered primarily for the nonthesis track. After matriculating at Arizona State University, a student may consult with and receive approval from the industrial engineering faculty to pursue the thesis track.

Students must successfully defend the thesis or pass the written comprehensive examination to graduate.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution

Applicants must have a minimum of a 3.20 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from all institutions attended
- a statement of purpose
- GRE scores
- three letters of recommendation
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

At the time of application, all applicants must have successfully completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" (scale is $4.00=$ " A ") or higher.

A student with any deficiency coursework must complete each deficiency with a grade of " B " or better (scale is $4.00=$ " A ") within two semesters of admission to the program. Deficiency courses include:

CSE 110 Principles of Programming
CSE 205 Object-Oriented Programming and Data Structures
IEE 376 Operations Research Deterministic Techniques/Applications
IEE 380 Probability and Statistics for Engineering Problem Solving
IEE 470 Stochastic Operations Research
MAT 242 Elementary Linear Algebra

Applicants should refer to the program website for application deadlines.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-science-industrial-engineering?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Engineering, Ira A. Fulton Schools of
Industrial, Systems \& Operations Engineering Prgm
https://cidse.engineering.asu.edu/forstudent/graduate/industrial-engineering/
CTRPT 105
cidse.advising@asu.edu
480-965-3199

## Industrial Engineering, PHD (ESINDENPHD)

Online Degree Search Title: Industrial Engineering, PhD
Campus: Tempe

## Program Description:

The PhD program in industrial engineering engages students in fundamental and applied research in industrial engineering as preparation for careers in academia, government and industry. The overall educational objective of graduate study in industrial engineering is to improve each student's ability to identify, define and solve problems and perform original research to address the underlying causes of these problems. Industrial engineers develop qualitative and quantitative abilities to guide the design and operation of sustainable organizations and systems.

This doctoral program provides a rigorous education and provides students with research and educational experiences that allow them to pursue careers in advanced research and teaching. A large fraction of these students are involved in applied research projects that are carried out in the context of government or privately-funded research. The program provides students access to many opportunities to participate in highly impactful research projects and interact with the leaders of the subfield that they choose to study and specialize in. Hence, many of them graduate with significant accomplishments resulting from the work they performed during the course of their doctoral study.

Graduates of the program typically find employment in academia as well as in industrial companies that develop and make use of advanced techniques for the operation of their businesses.

## Degree Requirements:

85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core ( 15 credit hours)
IEE 605 Foundations of Information Systems Engineering (3)
IEE 620 Optimization I (3)
IEE 622 Optimization II (3)
IEE 640 Probability and Stochastic Processes (3)
IEE 670 Mathematical Statistics (3)
Electives (42 credit hours)

Research and Internship Required Coursework (16 credit hours)
IEE 594 Conference and Workshop (1)
IEE 700 Research Methods (1)
IEE 784 Teaching Internship (1)
IEE 790 Reading and Conference (1) OR IEE 584 Internship (1)
IEE 792 Research (12)

Culminating Experience (12 credit hours)
IEE 799 Dissertation (12)

Additional Curriculum Information
Students are required to complete five core courses within the first year of full-time enrollment in the doctoral program. To be allowed to continue in the program after completion of the core courses, each student must take and successfully pass a qualifying exam on three of the five core courses.

Eligible students can request a master's in passing after successfully completing the qualifying exam and completing 30 credit hours in the doctoral program.
the plan of study. The student must also successfully defend the dissertation prospectus and the dissertation research.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
a statement of purpose
GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

At the time of application, all applicants must have successfully completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" or higher (scale is $4.00=$ " A ").

A student with any deficiency coursework must complete each deficiency with a grade of "B" (3.00) or better within two semesters of admission to the program

Deficiency courses include
CSE 110 Principles of Programming
CSE 205 Object-Oriented Programming and Data Structures
IEE 376 Operations Research Deterministic Techniques/Applications
IEE 380 Probability and Statistics for Engineering Problem Solving
IEE 470 Stochastic Operations Research
MAT 242 Elementary Linear Algebra

Students should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Industrial, Systems \& Operations Engineering Prgm
https://cidse.engineering.asu.edu
CTRPT 105
cidse.advising@asu.edu
480-965-3199

## Information Technology, MS (TSIFTMS)

Online Degree Search Title: Information Technology, MS
Campus: Polytechnic, Online

## Program Description:

The MS program in information technology teaches advanced technology skills to prepare students for careers in industry, education or government

Students gain the ability to conceptualize, organize and realize information technology projects that meet the needs of users within an organizational or societal context. Students select coursework that encompasses core technologies in one of three focus areas: security and networking, databases, and enterprise computing. The specialization area and graduate degree culminates in developing an industry-focused culminating project related to the student's area of interest.

Graduates design and implement information technology solutions, develop and implement enterprise databases, perform technical analysis of systems and networks, design and create technology solutions, and serve as information technology and network communications security analysts

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years.
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Information Technology, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required applied project course (IFT 593).

Required Core (15 credit hours)

Focus Area Electives (12 credit hours)

Culminating Experience (3 credit hours)
IFT 593 Applied Project (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in information technology, computer science, applied computing, engineering or a closely related field from a regionally accredited college or university

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE test scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency as defined by Graduate Admission Services: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency). The applicant should review the TOEFL, IELTS or PTE score requirements as applications will not be processed without valid proof of English proficiency.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/information-technology-ms)

## Contact Information:

Engineering, Ira A. Fulton Schools of
Information Technology
https://poly.engineering.asu.edu/it/ms-information-technology/
WANER 204
polygrad@asu.edu
480-727-1874

## Lean Six Sigma Black Belt (Certificate), Certificate (ESLSSBGRCT)

Online Degree Search Title: Lean Six Sigma Black Belt (Graduate Certificate)
Campus: Tempe, Online

## Program Description:

The Lean Six Sigma Black Belt graduate certificate is aimed at engineers and managers who oversee tactical and strategic projects as well as various operational functions in their organizations.
particular, graduates of the certificate program will gain an in-depth understanding of the Define, Measure, Analyze, Improve, Control process and the tools used to achieve effective process and product improvement; develop the leadership and team-building skills necessary to oversee continuous improvement projects with many stakeholders; and understand how lean principles and design for Six Sigma fit into the overall task of product and process improvement.

The culminating experience is in line with the Black Belt certification requirements used nationwide in similar certification programs.

## Degree Requirements:

15 credit hours including the required capstone courses (IEE 585).

Required Core (6 credit hours)
IEE 570 Advanced Quality Control (3)
IEE 581 Six Sigma Methodology (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
IEE 585 Six Sigma Capstone (3)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Required Prerequisite Courses:
CSE 110 Principles of Programming with Java, or equivalent
IEE 380 Probability and Statistics for Engineering Problem Solving, or equivalent
MAT 267 Calculus for Engineers III, or equivalent

No more than 40 percent of coursework toward the requirements of a graduate certificate may be completed prior to admission to the certificate program.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/lean-six-sigma-black-belt-graduate-certificate)

## Contact Information:

Engineering, Ira A. Fulton Schools of
Industrial, Systems \& Operations Engineering Prgm
https://cidse.engineering.asu.edu/forstudent/graduate/lean-six-sigma-black-belt/
CTRPT 105
cidse.advising@asu.edu
480-965-3199

## Manufacturing Engineering, MS (TSMEGRMS)

## Campus: Polytechnic

## Program Description:

Manufacturing engineering draws upon two distinct bodies of knowledge: manufacturing processes (i.e., how materials are altered in either shape or properties) and the processes of manufacturing (i.e., manufacturing systems and management). This combination of topics is embedded in the MS program in manufacturing engineering, and students can follow their interests by developing deeper expertise in either manufacturing processes or the processes of manufacturing.

The program provides advanced technical content to help students prepare for career transitions and improve company competitiveness. It consists of a core set of courses designed to provide all students with advanced knowledge of manufacturing fundamentals and an introduction to systems engineering. The expertise developed in the core curriculum supports student focus areas building on existing unit faculty strengths, including automation, additive and subtractive manufacturing processes (including computer numerical control machining), modeling and simulation, electronics manufacturing and manufacturing management.

Thesis, applied project and portfolio options are offered for the culminating experience.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Engineering (Automotive Systems), BSE
Engineering (Electrical Systems), BSE
Engineering (Mechanical Engineering Systems), BSE
Engineering (Robotics), BSE
Manufacturing Engineering, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required Applied Project course (EGR 593).

Required Core (3 credit hours)
EGR 520 Engineering Analysis (3)

Electives (12-18 credit hours)

Other Requirement (9 credit hours)
EGR 598 Topic: Manufacturing Systems Management (3)
EGR 598 Topic: Physical Principles and Matl Sci in Additive Mafg (3)
EGR 598 Topic: Physical Principles of Material Removal and Forming Processes (3)

Culminating Experience (0-6 credit hours)
EGR 593 Applied Project (3) or
EGR 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

EGR 598 Special Topics courses may be substituted with approval from the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in engineering, physical sciences, mathematics or similar from a regionally accredited U.S. institution, or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that institution's country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

- graduate admission application and application fee
- official transcripts
- professional resume and personal statement
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the Graduate Admission Services website for requirements https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

## Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/ms-manufacturing-engineering/
WANER 204
polygrad@asu.edu
480-727-1874
Materials Science and Engineering, MS (ESMATEMS)
Online Degree Search Title: Materials Science and Engineering, MS
Campus: Tempe, Online

## Program Description:

This MS program in materials science and engineering prepares students for professional careers in materials science and engineering and related fields in industry, government and educational institutions.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Chemical Engineering, BSE
Materials Science and Engineering, BSE
Mechanical Engineering, BSE
Mechanical Engineering (Computational Mechanics), BSE
Mechanical Engineering (Energy and Environment), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

32 credit hours and a portfolio, or 32 credit hours and a thesis, or 32 credit hours including the required applied project course (MSE 593).

Required Core (6 credit hours)
MSE 515 Introduction to Electronic, Magnetic and Optical Properties (3)
MSE 523 Structural and Mechanical Properties of Materials (3)
MSE 524 Advanced Thermodynamics (3)
MSE 526/527 Materials Physics I and II (6)
MSE 561 Phase Transformations, Kinetics and Diffusion in Solids (3)

Technical Electives (18 credit hours)

Other Requirement (2 credit hours)
MSE 591 Seminar (2)

Culminating Experience (0 or 6 credit hours)
MSE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
The materials science and engineering MS program has two options: thesis and nonthesis. All students are admitted to the nonthesis option. The nonthesis option requires a portfolio. Students in the portfolio option will submit, in the last semester of their program, a portfolio containing at least two projects from previous materials science and engineering coursework, along with a paper explaining the projects.

Students must successfully complete the portfolio requirements to pass the culminating experience. Students completing a portfolio must also take an extra six credit hours of elective coursework to reach the required 32 credit hours for the program. If students wish to change to the thesis option, a faculty advisor has to be secured, and then a petition can be submitted to change to the thesis option. Students in the thesis option must complete a thesis and pass the thesis defense examination.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

Admission to the materials science and engineering graduate program is highly competitive. All applicants must submit:

- graduate admission application and application fee
- official transcripts from all prior institutions attended
- official GRE score
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants whose native language is not English are required to achieve a minimum score of 100 on the Internet-based TOEFL.

Admission to the $4+1$ degree program requires a 3.50 ASU GPA (scale is $4.00=$ " A ") in degree-applicable courses. All applications are subject to review and admission is not guaranteed.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-materials-science-and-engineering?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

## Engineering, Ira A. Fulton Schools of

Materials Science and Engineering Program
https://semte.engineering.asu.edu/materials-science-graduate/
ECG 207
semtegrad@asu.edu
480-965-4979

## Materials Science and Engineering, PHD (ESENMATPHD)

Online Degree Search Title: Materials Science and Engineering, PhD
Campus: Tempe

## Program Description:

The PhD program in materials science and engineering prepares students for professional careers in materials science and engineering and related fields in industry, government and educational institutions.

This field draws upon a fundamental base of knowledge, with underpinnings in physics, chemistry and engineering. The program extends that knowledge to address a broad range of materials-driven challenges, such as energy efficiency, sustainability, functional nanostructures, electronic materials, biomaterials and polymers.

Interdisciplinary in nature, the curriculum offers required courses in four core subjects:

- advanced thermodynamics
- kinetics and phase transformations
- physics of materials
- structure and properties of materials


## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)
MSE 515 Introduction to Electronic, Magnetic and Optical Properties (3) or MSE 526/MSE 527 Materials Physics I and II (3)
MSE 523 Structural and Mechanical Properties of Materials (3)
MSE 524 Advanced Thermodynamics (3)
MSE 561 Phase Transformations, Kinetics and Diffusion in Solids (3)

Electives (3-18 credit hours)

Research (24-39 credit hours)
MSE 792 Research

Other Requirement (3 credit hours)
MSE 591 Seminar (3)

Culminating Experience (12 credit hours)
MSE 799 Dissertation (12)

Additional Curriculum Information
Students entering with a bachelor's degree are required to complete a minimum of 18 credit hours of elective coursework. Graduate elective courses may be selected from any of the graduate courses in the materials science and engineering curriculum as well as elective courses from related disciplines (e.g., chemistry, physics, electrical engineering), subject to approval by the faculty advisor. These courses should comprise a focused plan of study with emphasis in a particular area of materials science, organized in consultation with faculty supervisory committee.

Students entering the doctoral program with a master's degree need to complete 24 credit hours of research (MSE 792). Students entering with a bachelor's degree are required to complete 39 credit hours of research (MSE 792).

MSE 591 is a one credit hour course to be taken in three semesters. The seminar course consists of a series of seminars presented by invited speakers and graduate students. Doctoral students are required to give a seminar presentation once during the academic year after they have begun their research.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research coursework as specified by the academic unit. If the master's degree has not been completed, a maximum of 12 credit hours of graduate work may be applied with program approval

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited U.S. or international institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Admission to the materials science and engineering doctoral program is highly competitive. All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE score
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Once the application file is complete, the file is forwarded to the faculty admissions committee for evaluation and recommendation.
(scale is $4.00=$ "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE scores as well as high TOEFL scores for those whose native language isn't English.

Financial aid is available to highly qualified students. The most common type of financial aid is teaching and research assistantships, which are accompanied by tuition waivers and major medical insurance benefits. Other types of financial aid include Ira A. Fulton Schools of Engineering fellowships and Science Foundation Arizona fellowships.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Materials Science and Engineering Program
https://semte.engineering.asu.edu/materials-science-graduate/
ECG 207
semtegrad@asu.edu
480-965-4979

## Mechanical Engineering, MS (ESMEMS)

Online Degree Search Title: Mechanical Engineering, MS
Campus: Tempe

## Program Description

The MS program in mechanical engineering prepares engineers for doctoral study or industrial positions that specialize in research, project management and product innovation in mechanical engineering. The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Aerospace Engineering (Aeronautics), BSE
Aerospace Engineering (Astronautics), BSE
Aerospace Engineering (Autonomous Vehicle Systems), BSE
Mechanical Engineering, BSE
Mechanical Engineering (Computational Mechanics), BSE
Mechanical Engineering (Energy and Environment), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a portfolio, or 30 credit hours and a thesis.

Major Area of Emphasis (12 or 15 credit hours)

Electives (6 or 9 credit hours)

Mathematics (6 credit hours)

Culminating Experience (0 or 6 credit hours)
MAE 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
This program offers two culminating experience options: a thesis option and a nonthesis (portfolio) option. All students are admitted to the nonthesis option unless a faculty thesis advisor is secured, at which time the student can initiate a change to the thesis option.

The plan of study must be in accordance with university and program requirements. A minimum cumulative GPA of 3.00 (scale is $4.00=$ " $\mathrm{A} "$ ) is required throughout the program. Candidates for the program must complete a minimum of 30 credit hours of approved courses at the 500 level and above, with a minimum cumulative GPA of 3.00 or above.

Coursework for the major area of emphasis is restricted to MAE coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE score
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency; a minimum score of 80 on the Internet-based TOEFL is required.

Admission to the mechanical engineering graduate program is highly competitive and preferred applicants have an undergraduate degree in aerospace engineering or mechanical engineering.

Admission to the $4+1$ degree program requires a 3.50 ASU GPA (scale is $4.00=$ " A ") in degree-applicable courses. All applications are subject to review and admission is not guaranteed.

Applicants should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/mechanical-graduate/
ECG 207
semtegrad@asu.edu
480-965-4979

## Mechanical Engineering, PHD (ESMEPHD)

Online Degree Search Title: Mechanical Engineering, PhD
Campus: Tempe

## Program Description:

This PhD program in mechanical engineering emphasizes original research and provides students with a strong background for employment by academic institutions, government laboratories and industrial research laboratories with a focus on mechanical engineering. The program stresses a sound foundation in technical fundamentals, communication and professionalism. To this end, a broad-based curriculum is offered in design, system dynamics and control; fluid mechanics and aerodynamics; mechanics and dynamics of solids and structures; transport phenomena; thermodynamics; and energy. Modern computational and laboratory facilities are available to support timely research investigations.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

84 credit hours
qualifying exams
written and oral comprehensive exams
prospectus
dissertation

All students pursuing the PhD are required to pass both a qualifying and a comprehensive examination administered by the program committee.
credit hours of coursework directly related to the research area (18)
credit hours of mathematics (9)
credit hours of graduate elective courses outside the major research area (9)
MAE 792 Research
MAE 799 Dissertation credit hours (12)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from an accredited U.S. or international institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- personal statemen
- resume or curriculum vitae
- three letters of recommendation
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency and is required to achieve a minimum score of 80 on the Internet-based TOEFL.

Admission to the mechanical engineering doctoral program is highly competitive and preferred applicants have an undergraduate or MS degree in aerospace engineering or mechanical engineering. The admission process considers all aspects of the student's application and admission is not guaranteed. The typical successful applicant has at least a 3.25 cumulative GPA (scale is $4.00=$ "A") in engineering and science coursework in a bachelor's or master's degree program and has high GRE and a successful applicant whose native language isn't English would also have a high TOEFL score.

Applicants should see the program website for application deadlines.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/mechanical-graduate/
ECG 207
semtegrad@asu.edu
480-965-4979

## Molecular, Cellular, Tissue, and Biomaterials Engineering (Certificate), Certificate (ESMCTBGRCT)

Online Degree Search Title: Molecular, Cellular, Tissue and Biomaterials Engineering (Graduate Certificate)
Campus: Tempe, Online

## Program Description:

Engineers are rapidly improving in the capabilities in manipulating the components of biological systems. Approaches for localized delivery of drugs, genetic manipulations of cells, and building of tissue scaffolds are changing rapidly. The certificate in molecular, cellular, tissue and biomaterials engineering will expose students to many of the principles and techniques which are central to molecular, cellular, tissue and biomaterials engineering. On completion of this certificate program, students will have a set of skills enabling them to participate in engineering biological systems at levels from the molecular to tissues.

## Degree Requirements:

15 credit hours.

Required Core (3 credit hours)
BME 533 Transport Processes I (3)

Additional Curriculum Information
Students should see the academic unit for an approved list of elective courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students should see below for more information.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students must have a BS or BSE in biomedical engineering, or BS or BSE in engineering plus advanced (postbaccalaureate) training in medicine, physiology, or related fields, or BS in a science discipline, plus additional background work in biology, thermodynamics, fluids, transport and additional work in medicine, physiology, or related fields. Specifically, applicants will need to demonstrate equivalent proficiency in at least four of the following five areas:

- biomaterials
- electrical networks or circuits
- engineering mechanics
- fluid mechanics or engineering transport
- thermodynamics or physical chemistry

No admission exams are required.

## Contact Information:

Engineering, Ira A. Fulton Schools of
School of Biological \& Health Systems Engineering
https://sbhse.engineering.asu.edu/academics
ECG 334
sbhse-advising@asu.edu
480-965-3028

## Neural Engineering (Certificate), Certificate (ESNENGRCT)

Online Degree Search Title: Neural Engineering (Graduate Certificate)
Campus: Online

## Program Description:

Technologies for ameliorating neural disorders, ranging from epilepsy and stroke to paralysis, are developing rapidly. Understanding and deploying these technologies will require specialized skills in neurophysiology, bioelectricity and neural-electronic interfaces. The certificate program in neural engineering prepares clinical, industrial and academic practitioners with those skills through courses in areas of knowledge in neurophysiology, neuroanatomy and neuropathology. Students will then go on to learn of the state-of-the-art neurotechnologies applied to current neural disorders as well as the biophysics which these devices exploit.

## Degree Requirements:

15 credit hours.

Required Core (6 credit hours)
BME 526 Introduction to Neural Engineering (3)
BME 561 Clinical Neuroscience (3)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biomedical engineering (a BS or BSE degree), or have earned BS or BSE in engineering and have advanced (postbaccalaureate) training in medicine, physiology or related fields, or if they have earned a BS in a science discipline, plus have additional background work in thermodynamics, fluids, transport and additional work in medicine, physiology or related fields, from a regionally accredited institution. Specifically, applicants will need to demonstrate equivalent proficiency in at least four of the following six areas:

- biomaterials
- electrical networks or circuits
- engineering mechanics
- fluid mechanics or engineering transport
- signals and systems or control systems
- thermodynamics or physical chemistry

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The English proficiency requirement for international applicants is equivalent to the ASU Graduate College policy: TOEFL of at least 550 (PBT) or 80 (iBT), or IELTS overall band score of 6.5 .

## Contact Information:

Engineering, Ira A. Fulton Schools of
School of Biological \& Health Systems Engineering
https://sbhse.engineering.asu.edu/academics
ECG 334
sbhse-advising@asu.edu
480-965-3028

## Nuclear Power Generation (certificate), Certificate (ESNPGGRCT)

Online Degree Search Title: Nuclear Power Generation (Graduate Certificate)
Campus: Tempe, Online

## Program Description:

The nuclear power generation graduate certificate program is a transdisciplinary professional option within the Ira A. Fulton Schools of Engineering. The goal of the program is to prepare students and professionals from a variety of engineering and scientific disciplines to work effectively in the nuclear energy industry, including in nuclear power plants, government regulatory agencies and national laboratories. The certificate program offers students a comprehensive, transdisciplinary education as courses from multiple academic units constitute the core and elective classes.

Students typically begin with the study of nuclear science and engineering fundamentals. Subsequent core courses focus on:

- nuclear power plant dynamics and diagnostics
- nuclear power plant operations and safety
- nuclear reactor theory and design
- structural materials in nuclear power systems

Elective courses allow students to tailor the remaining studies toward facilitating their career goals and focusing on studies tied to their discipline. Example elective courses include nuclear power engineering, health physics and electrical power plants.

## Degree Requirements:

15 credit hours.

Required Core (12 credit hours)
EEE 562 Nuclear Reactor Theory and Design (3)
EEE 563 Nuclear Reactor System Dynamics and Diagnostics (3)
EEE 564 Interdisciplinary Nuclear Power Operations (3)
MSE 565 Structural Materials in Nuclear Power Systems (3)

Elective (3 credit hours)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants who hold a bachelor's degree from a regionally accredited institution in an engineering or science discipline, such as physics, chemistry and mathematics, are eligible to apply to the program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless current residency) must provide proof of English proficiency.

Transcripts should be submitted for all undergraduate and graduate coursework taken.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/certificates/graduate-certificate-nuclear-power-generation?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Sensor Signal and Information Processing (Certificate), Certificate (ESSSIPGRCT)

Online Degree Search Title: Sensor Signal and Information Processing (Graduate Certificate)

## Campus: Tempe

## Program Description:

The graduate certificate program in sensor signal and information processing provides background and application-oriented training in processing and interpreting signals acquired from sensors. The focus is on building knowledge and skills in several sensor network applications.

The program includes courses on signal and data processing for sensor systems. Course topics include digital signal processing, random signal theory, detection and estimation, sensor systems, big data and machine learning. The certificate may be completed with on-campus coursework and iCourses.

The certificate is a professional graduate program. The area of sensor information extraction and interpretation is an enabler for several applications, including health, sustainability, media, communications and security.

## Degree Requirements:

Required Core (12 credit hours)
EEE 407 Digital Signal Processing (3) or EEE 509 DSP Algorithms and Software (3)
EEE 510 Multimedia Signal Processing (3)
EEE 554 Random Signal Theory (3)
EEE 556 Detection and Estimation Theory (3) or EEE 606 Adaptive Signal Processing (3)

Electives (6 credit hours)

Additional Curriculum Information
Students choose from EEE 407 or EEE 509 and EEE 556 or EEE 606 as part of the core coursework.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in an engineering or a science discipline such as physics, mathematics or computer science from an accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Regular admission will be granted to applicants who have at least 3.00 GPA or equivalent (scale is $4.00=$ "A") and are competitive in the applicant pool. All prerequisites to the sensor signal and information processing certificate required courses must be in place (EEE 203 and EEE 350 from ASU, or signals and systems and random signals course equivalents from other universities).

## Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

## Software Engineering, MS (TSSERMS)

Online Degree Search Title: Software Engineering, MS
Campus: Polytechnic

## Program Description:

The MS program in software engineering focuses on developing advanced knowledge and abilities in the design and application of software. The program involves the application of engineering principles to software development including design methodologies, operation principles and maintenance and testing approaches. The Master of Science program in software engineering builds upon the BS program in software engineering and is aimed at developing professional skills in this discipline as well as providing opportunities for students to engage in and develop research abilities.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Software Engineering, BS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their
academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required capstone course SER 517.

Required Core (12 credit hours)
SER 501 Advanced Data Structures and Algorithms (3)
SER 502 Emerging Languages and Programming Paradigms (3)
SER 515 Foundations of Software Engineering (3)
SER 516 Software Agility (3)

Electives (12-15 credit hours)

Culminating Experience (3 or 6 credit hours)
SER 517 Software Factory I (3) or
SER 599 Thesis (6)

Additional Curriculum Information
Students should see the academic unit for a list of approved electives.

For the culminating experience, students have the choice of completing the capstone course (SER 517) or a thesis (SER 599). Completion of 30 credit hours of coursework is required for all culminating experience options.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in information technology, computer science, applied computing, engineering or a closely related field from a regionally accredited institution (or international equivalent).

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE test scores
- professional resume
personal statement
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

If the student is assigned any deficiency coursework upon admission, those classes must be completed with a grade of " B " ( 3.00 ) or higher within two semesters of admission to the program. Deficiency courses include:

CSE 240 Introduction to Programming Languages
CSE 360 Introduction to Software Engineering
SER 222 Design and Analysis of Data Structures and Algorithms OR CSE 310 Data Structures and Algorithms
SER 334 Operating Systems and Networks OR CSE 330 Operating Systems

Contact Information:
Engineering, Ira A. Fulton Schools of
Software Engineering
https://cidse.engineering.asu.edu/forstudent/graduate/software-engineering/
PICHO 245
cidse.gradpoly@asu.edu
480-727-3520

## Solar Energy Engineering and Commercialization, PSM (ESSEECPSM)

Online Degree Search Title: Solar Energy Engineering and Commercialization, PSM
Campus: Tempe

## Program Description:

The PSM in solar energy engineering and commercialization offers advanced, interdisciplinary education in solar energy to students with backgrounds in science, technology, engineering or mathematics (i.e., STEM fields). The objective of the program is to enable graduates to pursue careers in industry, government or the nonprofit sector that involve solar energy and its utilization.

Students in the program must select courses from technical and nontechnical tracks, including solar energy policy, spanning a number of academic programs and schools. Opportunities exist for engagement with the solar energy industry or government policymakers, leading to a required applied research project that culminates the program. The degree program is meant to be completed in 12 months for full-time students

## Accelerated Degrees

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Engineering (Electrical Systems), BSE
Mechanical Engineering, BSE
Mechanical Engineering (Computational Mechanics), BSE
Mechanical Engineering (Energy and Environment), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required applied project course (MAE 593 or SEC 593).

Required Core (9 credit hours)
GCU 598 Special Topics (1)
HSD 594 Conference and Workshop (2)
SEC 588 Solar Energy Colloquium (3)
one approved solar photovoltaic graduate course (3)

Electives (15 credit hours)

Culminating Experience (6 credit hours)
SEC 593 Applied Project (6)

Additional Curriculum Information
Of the electives, six credit hours must be selected from the list of technical courses and six credit hours must be selected from the list of nontechnical courses. An additional three credit hours are required and can be selected from either the technical or nontechnical course list. Students should see the academic unit for the approved course lists.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in a field such as science, technology, engineering and mathematics (STEM) from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from each institution from which a degree was earned
- general GRE
- three letters of recommendation
personal statement
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The minimum TOEFL requirement is 550 (PBT) or 80 ( iBT --- a score of 90 or higher is recommended). The minimum IELTS requirement is an overall band score of 6.5 , with a score of 7.0 or higher recommended. The minimum Pearson Test of English requirement is 60 .

Other details regarding English proficiency requirements are described on the Graduate College website at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

## Contact Information:

Engineering, Ira A. Fulton Schools of
School for Engineering of Matter,Transport \& Enrgy
https://semte.engineering.asu.edu/solar-energy-engineering-commercialization/
ENGRC 354
PSM.Solar.Energy@asu.edu
480-965-5584

## Sustainable Engineering, MSE (ESSUEMSE)

Online Degree Search Title: Sustainable Engineering, MSE
Campus: Online

## Program Description:

The MSE in sustainable engineering is a multidisciplinary graduate program ideal for professionals and graduate-level students with engineering and physical science backgrounds who wish to design a flexible individualized plan of study.

Courses cover such sustainable engineering topic areas as energy systems and alternative energy production, water, transportation, earth systems engineering, industrial ecology, life cycle assessment, environmental technologies, green construction practices and sustainable technology systems.

The goal of sustainable engineering is to enable long-lasting improvement of the human condition. Sustainable engineering transcends traditional engineering education by integrating considerations of complex social, environmental, political and economic factors into engineering theory and practice in order to achieve more economically, technically, environmentally, institutionally, and socially efficient and robust solutions.

## Degree Requirements:

30 credit hours including a capstone course and a written comprehensive exam, or 30 credit hours including a thesis and written comprehensive exam, or 30 credit hours including the required applied project course (CEE 593) and a written comprehensive exam.

Required Core (12 credit hours)

Infrastructure Systems Track Courses (9 credit hours) or

Energy Systems Track Courses (9 credit hours) or

Earth Systems Engineering and Industrial Ecology Track Courses (9 credit hours)

Electives (3 credit hours)

Culminating Experience (6 credit hours)

Additional Curriculum Information
Students complete nine credit hours in a selected track. Available track options are infrastructure systems, energy systems, and earth systems engineering and industrial ecology.

Students should see the academic unit for an approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's degree or master's degree in engineering or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students with a degree in civil engineering, environmental engineering, construction engineering, mechanical engineering or with an engineering degree other than these listed may be admitted, with deficiencies as identified by the sustainable engineering faculty, if appropriate. If the applicant does not have an undergraduate degree in any of these programs, additional requirements may be necessary based upon the applicant's background, including sufficient courses in mathematics that include but are not limited to calculus, differential equations and linear algebra. A faculty committee will determine which required courses are needed on a case-by-case basis.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/sustainable-engineering-mse)

## Contact Information:

Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering \& Built Envirnmt
https://ssebe.engineering.asu.edu/sustainable-engineering-online-mse/
CAVC 437
Sebe.advising@asu.edu
480-965-0595

## Systems Engineering, PHD (ESSYSPHD)

Online Degree Search Title: Systems Engineering, PhD
Campus: Polytechnic

## Program Description:

The PhD in systems engineering is a transdisciplinary graduate program offered by The Polytechnic School. The program is aimed at advancing the understanding of complex engineering systems, where these systems are inclusive of technological aspects as well as social, cultural, environmental and other interacting components that impact the input, output and interactions within a system. The program prepares students to identify, model, analyze, interpret, optimize and manage the multidimensional interactions of the ever-increasing complexity of modern technological and societal challenges.

A typical incoming student in this program would have a master's degree in engineering or related discipline. The core curriculum provides the foundation for systems thinking, systems identification, systems modeling and systems design and analysis using diverse disciplinary methodological approaches. Students in this doctoral program will use the capacity to evaluate complex systems and a depth of mathematical maturity to study problems for which complexity is impeding progress.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, and a dissertation.

Required Core ( 15 credit hours)
EGR 602 Principles of Independent Research (3)
EGR 608 Advanced Simulation (3)
EGR 611 Complex Engineering Systems (3)
MAE 501 Linear Algebra in Engineering (3)
MAE 502 Partial Differential Equations in Engineering (3)

Electives (15 credit hours)

Research (12 credit hours)

Culminating Experience (12 credit hours)
EGR 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework will be made up of electives and research.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in engineering, or a closely related field, from a regionally accredited institution.

Applicants without a master's degree in engineering or a closely related field must have a minimum of a 3.75 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of the student's first bachelor's degree program coupled with a record of research or leadership accomplishments (or both). Applicants with a master's degree in engineering or a closely related field must have a minimum of 3.25 cumulative GPA (scale is $4.00=$ " $A$ ") in the applicable master's degree. Exceptional undergraduates are encouraged to apply after completion of a BS degree.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- GRE scores
- statement of purpose
- resume or curriculum vitae
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

## Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/ph-d-in-systems-engineering/
WANER 204
polygrad@asu.edu
480-727-4723

## Technology (Aviation Management and Human Factors), MSTech (TSHFMSTECH)

Online Degree Search Title: Technology (Aviation Management and Human Factors), MSTech

## Campus: Polytechnic

## Program Description:

The MSTech degree program offers a concentration in aviation management and human factors. The program's focus is on preparing graduates for a career in the aviation industry, and it can serve as the foundation for further advanced study. Courses are offered at the Polytechnic campus, with some courses offered as iCourses. Graduates of this program are provided with technical and professional skills for use in leadership positions in the aviation industry.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Aeronautical Management Technology (Air Traffic Management), BS
Aeronautical Management Technology (Air Transportation Management), BS
Aeronautical Management Technology (Professional Flight), BS
Aeronautical Management Technology (Unmanned Aerial Systems), BS
Air Traffic Management, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

33 credit hours and a thesis, or 33 credit hours including the required applied project course (AMT 593).

Required Core (12 credit hours)

Aviation Management Track Option (12 or 15 credit hours)

Culminating Experience (3 or 6 credit hours)
AMT 593 Applied Project (3) or
AMT 599 Thesis (6)

Additional Curriculum Information
The detailed design of the graduate student's program requirements ( 33 credit hours) with the selection of the required courses will be the responsibility of the student along with the supervisory committee chair and committee members.

Students in this graduate program also have the opportunity to enroll in human systems engineering (HSE) and technological entrepreneurship and management (TEM) graduate courses. Students may focus their study on courses that will best prepare them for their career or for the next step in their educational process.

Applied project students will complete 15 credit hours (five track courses) and thesis students will complete 12 credit hours (four track courses) selected in consultation with an advisor. In addition, three credit hours of AMT elective coursework are to be chosen in conjunction with the student's advisor or committee. Students who do not select a track complete 15 or 18 credit hours from the restricted electives list or other courses approved by the student's supervisory committee. All students in the aviation management and human factors concentration must take at least five AMT graduate courses;

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered.

- graduate admission application and application fee
- official transcript from each college or university attended
- official GRE general exam scores
- statement of purpose
- current resume
- three letters of recommendation
- proof of English proficiency

Additional Application Requirements
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

## Contact Information:

Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/aviation-management-and-human-factors/
WANER 204
polygrad@asu.edu
480-727-1874

## Technology (Environmental Technology Management), MSTech (TSMGMSTECH)

Online Degree Search Title: Technology (Environmental Technology Management), MSTech
Campus: Polytechnic

## Program Description:

The MSTech degree program with a concentration in environmental technology management provides students with a background in the sciences, engineering, environmental science, natural resource management, industrial hygience or other affiliated areas with the regulatory and technical background to manage complex environmental problems.
based at the Polytechnic campus, the entire program can be completed online. It is possible to complete the program within two years, including summers. Most students are working professionals and are able to finish the degree while working full time. The curriculum includes courses on topics such as:

- air pollution
- chemistry of hazardous materials
- environmental health
- environmental law
- hazardous waste management
- industrial hygiene
- international environmental law and policy
- soil and groundwater contamination
- solid waste management
sustainable development
- toxicology
tribal environmental and resource management


## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years.

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Environmental and Resource
Management, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

33 credit hours and a thesis, or 33 credit hours and a written exam, or 33 credit hours including the required applied project course (ETM 593 or ERM 593), or 33 credit hours including the required written comprehensive exam

Required Core (12 credit hours)

Approved Electives (15-21 credit hours)

Research (0-3 credit hours)
ETM 592 Research

Culminating Experience (0-6 credit hours)
ETM 593 Applied Project (3) or
ETM 599 Thesis (6) or
written comprehensive exam (0)

Additional Curriculum Information
Concentration area coursework includes 12 credit hours of core classes and 15 credit hours of approved electives in addition to six credit hours of ETM 599 Thesis or ETM 593 Applied Project and ETM 592 Research. The research requirement is for students completing an applied project. The written comprehensive exam option requires 12 credit hours of core classes and 21 credit hours of approved electives to reach the 33 credit hours required for the program.

Supporting coursework includes the following areas of study:

- air pollution
- environmental chemistry
- environmental health
- environmental management leadership
- hazardous waste management
- homeland security
- international environmental law and policy
- international environmental management
- soils and groundwater contamination
- sustainability and sustainable development
- sustainable solid waste systems
- tribal environmental resource management
- water and wastewater treatment technologies
- water resource management


## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- graduate admission application and application fee
- official transcript from each college or university attended
- official GRE general exam scores
- statement of purpose (maximum of 600 words)
- current resume
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants can find complete information on the English proficiency exams and other required documents at https://students.asu.edu/graduate/international (https://students.asu.edu/graduate/international).

Applicants may opt to submit up to three letters of recommendation.

Students should see the program website for application deadlines. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration.

Undergraduate coursework of applicants admitted to this program generally includes chemistry, calculus and statistics. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level coursework.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Environmental and Resource Management
https://poly.engineering.asu.edu
WANER 230
polygrad@asu.edu
480-727-1874

## Technology (Graphic Information Technology), MSTech (TSGIMSTECH)

Online Degree Search Title: Technology (Graphic Information Technology), MSTech
Campus: Polytechnic, Online

## Program Description:

The MSTech program with a concentration in graphic information technology provides students with the opportunity to study visual content in the areas of print, Web, photo, video and animation for multi-channel distribution. The courses offered in this degree program provide students with a management-centric approach to the cross-media graphics industry.

The degree program has two study options: ASU Online or ASU's Polytechnic campus. Either option can be done completely at a distance. It is recommended that applicants inquire about differences in the two options before applying. The applicant chooses the option when completing the graduate admission application. The study option cannot be changed once selected.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years.
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:

Applied Science (Graphic Information Technology), BAS
Applied Science (Internet and Web Development), BAS
Graphic Information Technology, BS
Graphic Information Technology (Gaming), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

33 credit hours and a portfolio, or 33 credit hours and a thesis, or 33 credit hours including the required applied project course (TMC 593 or GIT 593).

Students are required to complete a minimum of 33 credit hours of graduate coursework. Of the total 33 credit hours, a minimum of 27 credit hours must be 500 -level courses and part of the approved program. Additional courses may be assigned by the faculty supervisory committee, depending on the background of the candidate. The minimum degree requirements are as follows:

Applied Project Option
technical area of emphasis (18)
supporting area (9)
research methods course (3)
applied project (3)

## Portfolio Option

technical area of emphasis (21)
supporting area (12)
portfolio (0)
Thesis Option
technical area of emphasis (18)
supporting area (9)
thesis (6)

Most graduate degree students in this program elect to do an applied project rather than a thesis. The applied project generally allows the student to thoroughly explore a graphics-related problem and demonstrate knowledge of the problem, solutions for the problem and suggestions for further explanation of the problem. Another culminating experience option is the portfolio which allows a student to compile work from the graduate coursework and summarize their experience. Students in the ASU Online program must select the applied project or portfolio option.

Courses within the various graphics areas are taught on a rotating basis.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

Applicants must submit the following items. Incomplete files will not be reviewed or considered until complete.

- graduate admission application and application fee
- official transcript from each college or university attended
- official GRE general exam scores
- statement of purpose (letter of application)
- current resume
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must meet English proficiency requirements as defined by Graduate Admissions. Students should be sure to review the TOEFL, IELTS, or PTE score requirements (https://students.asu.edu/graduate/proficiency) as their application will not be processed without valid proof of English proficiency.

The GRE can be waived in some situations. Students should refer to the GRE waiver request (https://poly.engineering.asu.edu/advising/graduatestudents/ (https://poly.engineering.asu.edu/advising/graduate-students/)) for more information., and they should note that submitting the GRE waiver request is not a guarantee of approval.

Applicants may optionally submit two letters of recommendation.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration.

Undergraduate coursework of admitted applicants to this program generally include precalculus and statistics but are not required. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission and must be completed within the first year of the graduate program while concurrently enrolled in graduate-level coursework.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-technology-graphic-information-technology?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Engineering, Ira A. Fulton Schools of
Graphic Information Technology
https://poly.engineering.asu.edu/git/mstech-graphic-information-technology/
WANER 204
polygrad@asu.edu
480-727-1874

## Technology (Management of Technology), MSTech (TSMRMSTECH)

Online Degree Search Title: Technology (Management of Technology), MSTech
Campus: Polytechnic

## Program Description:

The MSTech program with a concentration in management of technology prepares students for leadership roles as technically proficient professionals in technology-driven organizations, whether private or public. Students are prepared to successfully transition into leadership positions in their fields of expertise and to move into a general leadership role outside their areas of technical expertise as their careers grow.

This degree program is open to individuals with a technical undergraduate degree who wish to develop their leadership and management skills to complement their technical expertise. The curriculum is tailored to the needs of the student, ensuring each student obtains basic leadership and management skills.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Engineering (Automotive Systems), BSE
Engineering (Electrical Systems), BSE
Engineering (Mechanical Engineering Systems), BSE
Engineering (Robotics), BSE
Technological Entrepreneurship and Management, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

33 credit hours and a portfolio, or 33 credit hours including the required applied project course (TMC 593).

It is expected that graduates of the program possess skills in research and the ability to apply these research skills in practice. To achieve this goal, each student is required to complete OMT 549 Research Techniques and Applications and either TMC 593 Applied Project or Portfolio (0).

Additionally, each student is required to select four courses from the following list: (12 credit hours)

OMT 503 Marketing Management (3)
OMT 504 Ethical Issues in Technology (3)
OMT 540 International Management (3)
OMT 548 Statistical Methods for Research (3)
OMT 592 Research (1-3)
OMT 598 Special Topics (1-4)
TMC 584 Internship (1-3)

Graduate courses from other majors may be selected with approval from the student's graduate advisory committee; these additional courses are selected to support the student's individual career goals and perceived needs. With the thesis option, courses are chosen to support the student's research topic and research methods. To ensure that all courses taken will fit into the plan of study, all students are expected to discuss their tentative plan with their program advisors prior to registering for their first class and they must have an approved plan of study on file by the completion of nine credit hours toward the degree.

Students without a statistics course at the undergraduate level will be required to complete an appropriate course during the first semester in the program. This course will be in addition to the other requirements for the degree. Additional courses may be required to fulfill deficiencies, based on a review of the applicant's transcripts. Students should contact the department for more information.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE general exam scores
statement of purpose
- current resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

Incomplete files will not be reviewed or considered.

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants can find complete information on the English proficiency exams and other required documents on the Graduate College website: https://students.asu.edu/graduate/international ("https://students.asu.edu/graduate/international").

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration. Industrial experience beyond completion of a bachelor's is strongly recommended.

Undergraduate coursework of admitted applicants to this program generally include calculus, technical writing and statistics. Students without a statistics course at the undergraduate level will be assigned a statistics deficiency course. This course will be in addition to the other requirements for the degree. Additional courses may be required to fulfill deficiencies, based on a review of the applicant's transcripts. Deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level coursework.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Tech Entrepreneurship \& Mgmt
https://poly.engineering.asu.edu/tem/management-of-technology/
WANER 204
polygrad@asu.edu
480-727-1874

## Technology (Manufacturing Engineering Technology), MSTech (TSMFMSTECH)

Online Degree Search Title: Technology (Manufacturing Engineering Technology), MSTech
Campus: Polytechnic

## Program Description:

Manufacturing is in a period of dramatic transformation. Future manufacturing will involve a global supply network to enable innovation, design and integration of products and services. At its core, manufacturing engineering is about creating and delivering products and services that have value to customers and society.

The MSTech program with a concentration in manufacturing engineering technology provides students with graduate level expertise in the technologies and processes integral to this transformation. The program is flexible and permits students to develop a plan of study, with faculty approval, to meet their individual career goals. Students can select a technical focus in manufacturing processes, management or automation. The degree concentration is designed to provide graduates with technical and professional skills that will facilitate preparation for, and advancement in, leadership positions in industry, education, government and military. Laboratories and classrooms are well-equipped, and the faculty members teaching the classes have relevant teaching, research, industry, and training experience and backgrounds.

Entry into the program requires that the student have a sound technical undergraduate degree, but not necessarily in manufacturing engineering.

## Research Activity

The program provides students with an opportunity to conduct research either as a master's thesis or as an applied project. Program faculty are engaged in theoretical and applied research projects, involving undergraduate and graduate students in manufacturing related projects. Graduate students employed in local industry are encouraged to develop research topics that address problems of interest to their employers. Current research interests of the faculty include: machinability and manufacturing processes, manufacturing, manufacturing cost economics, and modeling and simulation.

Theses and applied projects are supported by a number of well-equipped laboratories and facilities:

- automation laboratory
- composite materials laboratory
- computer numerical control machining center laboratory
- computer-aided design and computer-aided manufacturing laboratory
- energy conversion and combustion laboratory
- welding and casting laboratory


## Degree Requirements:

33 credit hours and a thesis, or 33 credit hours including the required applied project course (MET 593).

All coursework applied toward the minimum 33 credit hour total must be at the 400 level or higher with a grade of " B " (scale is $4.00=$ " A ") or higher. A maximum of six credit hours of 400 -level coursework may be included in the student's plan of study. An oral defense of the written applied or research project (thesis) is required as the final examination in either option. This defense is typically done during the last semester of study. All coursework outside the Engineering programs must be preapproved and on the plan of study.

## Thesis Option

In the thesis option, a minimum of 27 credit hours must be 500 -level courses, allowing students to take up to six credit hours of 400 -level coursework to broaden their technical knowledge within the technical concentration or a supporting area. The coursework may be a combination of manufacturing, mechanical or aeronautical engineering technology courses, or a limited number from outside the department. Students are required to complete six credit hours of MET 599 Thesis, write a thesis and present an oral defense.
technical concentration area (18 credit hours)
supporting area ( 6 credit hours)
research methods courses (3 credit hours)
EST 500 Research Writing (2)
EST 591 Research Seminar (1)
culminating experience ( 6 credit hours)
MET 599 Thesis (6)

Applied Project Option
In the applied project option, a minimum of 27 credit hours must be 500 -level courses, allowing students to take up to six credit hours of 400 -level coursework to broaden their technical knowledge within the technical concentration or a supporting area. The coursework may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. The applied project requires a supporting report; the project and report are defended in a final oral examination.
technical concentration area (18 credit hours)
supporting area ( 9 credit hours)
research methods courses (3 credit hours)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Ira A. Fulton Schools of Engineering.

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- graduate admission application and application fee
- official transcript from each college or university attended
- official GRE general exam scores
- statement of purpose
- current resume
- optional) three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants can find complete information on the English proficiency exams and other required documents on the Graduate College website: https://students.asu.edu/graduate/international (https://students.asu.edu/graduate/international).

Note: A bachelor's degree that includes a minimum of 30 credit hours or equivalent in a technology area including coursework applicable to the concentration being sought, and a minimum of 16 credit hours of mathematics and science is required.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level coursework.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu
WANER 204
polygrad@asu.edu
480-727-1874

## Future of Innovation in Society, School for the

## Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)

Online Degree Search Title: Applied Ethics (Biomedical and Health Ethics), MA
Campus: Tempe

## Program Description:

Medicine is infused with moral values and is deeply embedded in a variety of social and cultural contexts which significantly determine the effectiveness of medical care in achieving healthy outcomes for patients and populations. The objective of the biomedical and health ethics concentration in the MA program in applied ethics is to integrate academic and clinical dimensions of moral issues with medical practice and biomedical research. Students from a broad range of backgrounds will be exposed to the internal and external logics of medicine, health care and biotechnology, and they will gain substantive understanding of ethical, cultural and societal issues in a variety of domains through coursework and other experiences. Students will deliberate individually and collectively about a wide range of issues and problems in contemporary medicine and the history of medicine; develop advanced critical normative reasoning and judgment capacities; and cultivate effective communication skills for academic, clinical and policy contexts.

## Degree Requirements:

30 credit hours including the required applied project course (AEP 593).

Required Core ( 3 credit hours)
AEP 501 Practical and Professional Ethics (3)

Concentration (3 credit hours)
BIO 516 Foundations of Bioethics (3)

Concentration Electives (18 credit hours)

Culminating Experience (6 credit hours)
AEP 593 Applied Project (6)

Additional Curriculum Information
Electives are related to the concentration study. Students must request approval from the chairperson of the degree program prior to selecting elective coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement of interest and qualification
- resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required.

Contact Information:
Future of Innovation in Society, School for the
School for the Future of Innovation in Society
https://sfis.asu.edu/AEP-BHE-welcome
INTDSB 256
sfisgrad@asu.edu
480-727-9498

## Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)

Online Degree Search Title: Applied Ethics (Science,Tech and Ethics), MA
Campus: Tempe

## Program Description:

The science, technology and ethics concentration of the MA degree program in applied ethics and the professions focuses on the ethical issues that arise from the multiple challenges involved in balancing economic, technological, environmental, social and cultural development in a world increasingly affected by science and technology. It provides the student with a general background in ethics and ethical systems with an emphasis on ethical issues in science and technology. The program also exposes students to new challenges posed by rapidly evolving sociotechnical systems in such areas as:

- energy, environment and development
- genetic engineering and biotechnology
- information and communication technology
- nanotechnology
- risk assessment
- technology and security

30 credit hours including the required applied project course (AEP 593).

Required Core ( 3 credit hours)
AEP 501 Practical and Professional Ethics (3)

Concentration (3 credit hours)
HSD 598 Topic: Science, Technology and Ethics (3)

Concentration Electives (18 credit hours)

Culminating Experience (6 credit hours)
AEP 593 Applied Project (6)

Additional Curriculum Information
Electives are related to the concentration study. Students must request approval from the chairperson of the degree program prior to selecting elective coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 or higher cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- personal statement of interest and qualification
- two letters of recommendation
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

No GRE is required.

## Contact Information:

Future of Innovation in Society, School for the
School for the Future of Innovation in Society https://sfis.asu.edu/AEP-STE-welcome
INTDSB 256
sfisgrad@asu.edu
480-727-9498

## Global Development and Innovation (Certificate), Certificate (FIGDIGRCT)

Online Degree Search Title: Global Development and Innovation (Graduate Certificate)
Campus: Tempe, Online

## Program Description:

The graduate certificate program in global development and innovation responds to the knowledge and skills gap that development practitioners often struggle with, and it also connects with innovations that policymakers seek for more sustainable and resilient futures. It provides current and critical perspectives on innovation and development for overseeing and managing complex global challenges, while fostering cultural sensitivities and dispositions. The program graduates will contribute to improving development policy and practices through analysis, integration and incorporation of emerging insights and best practices, making them available to policymakers, practitioners and tech-innovators.

## Degree Requirements:

15 credit hours.

Required Core (6 credit hours)
GTD 501 Global Technology and Development (3)
GTD 511 Development Policy and Practices (3)

Electives (9 credit hours)

Additional Curriculum Information
Students select nine credit hours from a restricted elective list. This list can change and increase over time as needed with unit director approval. Students may select a maximum of three one-credit courses toward fulfillment of the total of nine credit hours. Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution or the equivalent from an international institution that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
personal statement
- resume
- official transcripts
two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Acceptable proof consists of a TOEFL score of at least 550 (PBT) or 80 (iBT), an IELTS overall band score of at least 6.5 with no band below 6.0, or a Pearson Test of English score of at least 60. Note: The most current requirements are available at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

International students who need an F1 or J1 visa will first need to apply to and be accepted into a master's degree or doctoral degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/global-development-and-innovation-graduate-certificate)

## Contact Information:

Future of Innovation in Society, School for the
School for the Future of Innovation in Society
https://sfis.asu.edu
INTDSB 256
sfisgrad@asu.edu
480-965-9432

## Global Technology and Development, MS (LSGTDMS)

Online Degree Search Title: Global Technology and Development, MS
Campus: Tempe, Online

## Program Description:

The MS in global technology and development is a program covering international social, economic and political development. It highlights the variables of technology and innovation in these development processes and analyzes change within the context of the current era of globalization. One of the central concerns addressed in the program is the global disparity in wealth and access to resources and basic needs, both between and within countries. Students are encouraged to pursue unique research questions, in the developed or the developing worlds, which engage them in social science research on issues related to technology and human socioeconomic and political development. Students take theoretical, research, policy and regional studies courses to prepare for the master's degree culminating experience.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years.
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Innovation in Society, BA
Innovation in Society, BS
Technological Entrepreneurship and Management, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required applied project course (GTD 593).

Required Core (12 credit hours)
GTD 501 Global Technology and Development (3)
GTD 503 Technology and the International Political System (3)
GTD 505 Research Design in Technology and Development (3)
GTD 506 Quantitative Analysis in Technology and Development (3)

Restricted Electives (15 credit hours)

Culminating Experience ( 3 credit hours)
GTD 593 Applied Project (3)

Additional Curriculum Information
For the approved electives course list, students should contact the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's degree from a regionally accredited college or university recognized by ASU in a related field such as political science, international relations, sociology, anthropology, economics, business, education, technology, engineering, life sciences, foreign languages or literature (i.e., topics related to global development, culture or socioeconomic institutions).

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- two letters of recommendation
- proof of English language proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score is required. Applicants should visit https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency) for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-global-technology-development?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Future of Innovation in Society, School for the
School for the Future of Innovation in Society https://sfis.asu.edu/GTD-welcome INTDSB 256
sfisgrad@asu.edu 480-965-9432

Global Technology and Development (Applied International Development), MS (FIGTDAIDMS)

Online Degree Search Title: Global Technology and Development (Applied International Development), MS
Campus: Online

## Program Description:

The concentration in applied international development under the MS program in global technology and development provides a curriculum focused on applied skills and practices in international development and includes specializations contributed by other units. This differs from the current theory and research driven degree. The concentration program allows early career and experienced professionals to develop and enhance skills and attributes in planning, management, analysis and evaluation in development with attention to sectoral specializations such as education, health, business, management and community development. Learning outcomes emphasize enhanced skills in analysis, critical thinking and the ability to apply knowledge to development-related challenges.

## Degree Requirements:

Required Core (3 credit hours)

GTD 511 Development Policy and Practices (3)

Concentration (9 credit hours)
GTD 501 Global Technology and Development (3) or

GTD 506 Quantitative Analysis in Technology and Development (3) or

NLM 520 Financial and Resource Management (3) or
NLM 530 Program Evaluation and Information Management (3)

Specialization Electives (15 credit hours)

Culminating Experience (3 credit hours)

GTD 593 Applied Project (3)

Additional Curriculum Information

Students select three courses from the concentration list for a total of 9 credit hours.

Students may take elective courses in an area of interest from a variety of ASU Online academic programs such as business, management, education, community development and health. Students should see the academic unit for available specializations and approved course list.

## Admission Requirements:

An applicant must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in global development, education, business, health, management, community development or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must to submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- two letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A personal statement of purpose of one to two pages is required for admission as well as two letters of recommendation, either academic or professional. While the GRE is not required, the statement of purpose is a significant factor in the application process, and it should address the background and capabilities of the applicant, as well as the applicant's interest in the program.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/global-technology-development-applied-international-development-ms)

## Contact Information:

Future of Innovation in Society, School for the
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/graduate-programs/masters-programs/global-technology-development-applied
INTDSB 256
sfisgrad@asu.edu
480-965-9432
Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)
Online Degree Search Title: Human and Social Dimensions of Science and Technology, PhD
Campus: Tempe

## Program Description:

This program prepares students to teach and conduct research, using humanistic and social science methods, on the social, historical, philosophical and policy foundations of science and technology as well as their interactions with society.

The PhD program in human and social dimensions of science and technology responds to growing demand for transdisciplinary research in the humanities and social sciences that can provide insights into the dynamic relationship between science, technology and society. Solutions to the problems of applying science and technology to human well-being can be found only by fully integrating research from across multiple social science and humanities disciplines.

The program is flexible, combining a strong, integrated, first-year experience with substantial freedom for students who, in conjunction with their advisors, design carefully crafted plans of study relevant to their own areas of specialization and expertise. Unique among programs of this kind nationally, students will also learn to communicate and work with scientists, engineers, policymakers, business and community officials, or the public in conducting and applying research.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (8 credit hours)
HSD 601 HSD I: Human Dimensions of Science and Technology (4)
HSD 602 HSD II: Science, Power and Politics (4)

Culminating Experience (12 credit hours)
HSD 799 Dissertation (12)

Additional Curriculum Information
This is a research degree, culminating in a dissertation, which must draw on multiple disciplinary perspectives.

Students may apply up to 30 credit hours from a prior master's degree toward the total hour requirement, upon approval of the steering committee. Each student, with his or her supervisory committee, develops a unique plan of study, which the student's supervisory committee approves.

Each student completes a yearlong core seminar, a second-year research project, two major fields, one minor field, methods training, electives and research. Students also regularly attend the program colloquia. There are no foreign language or statistics requirements, except as needed for a particular student's selected dissertation project.

## Comprehensive Examination

The written dissertation prospectus and its oral defense constitute the written and oral comprehensive examinations required by the Graduate College for advancement to candidacy. Each student develops a written dissertation prospectus, including a bibliography and discussion of relevant
research skills. The student makes an oral defense of the dissertation prospectus to his or her supervisory committee, which must approve the prospectus. Students normally complete the dissertation prospectus and its defense in the fifth semester.

## Dissertation

The dissertation represents an original body of research that contributes to existing knowledge in a significant way.

## Final Examination

Upon completing the dissertation, the student makes an oral defense of the dissertation to the supervisory committee, which must approve the dissertation. The doctorate is granted upon successful completion of the oral defense and any revisions to the dissertation required by committee members.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- HSD academic record form
- a curriculum vitae or resume
- a personal statement
- a writing sample
- general GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. In order to meet English proficiency students must have an IELTS overall band score of at least 6.5 with no band below 6.0 , or Pearson Test of English score of at least 60, or a TOEFL score of at least 600 (PBT) or 100 (iBT). ASU's institutional code is 4007 . ASU only accepts electronic copies of the TOEFL score report.

Preference is given to students with demonstrated interest and competence in relevant areas of intellectual work

The personal statement should be one to two single-spaced pages. It must be a statement of proposed research that clearly explains why the student feels ASU is the appropriate place to pursue their doctorate, identifies one or more faculty members whose interests or work are relevant to the student's proposed research, and describes the goals for pursuing the degree.

The writing sample should be a 10- to 25-page sample of academic writing, such as a course paper, an undergraduate thesis, or an excerpt from a master's thesis.

Students should see the program website for application deadlines.

## Contact Information:

Future of Innovation in Society, School for the
School for the Future of Innovation in Society
https://sfis.asu.edu/hsd-welcome
INTDSB 256
sfisgrad@asu.edu
480-965-9432
Innovation in Global Development, PHD (FIIGDPHD)
Online Degree Search Title: Innovation in Global Development, PhD
Campus: Tempe

## Program Description:

The PhD program in innovation in global development emphasizes critical and diverse perspectives on global development, and innovative policies and practices that challenge the status quo. This program is both rigorous and flexible, designed to meet the needs of a diverse set of students
committed to a vision of development that values context, inclusivity and equity, and is socially, culturally and ecologically sensitive. Students will emerge from this program equipped with the leadership skills, critical thinking skills, knowledge and global perspective required to navigate complex development challenges in a way that reduces inequalities and builds a more sustainable and inclusive future.

## Degree Requirements:

Required Core (17 credit hours)

Electives or Research (25 credit hours)

Culminating Experience (12 credit hours)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in anthropology, natural resource management, agriculture development, political science, development studies, economics, development management, rural development, technology and development, sociology, science and technology or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent or written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Future of Innovation in Society, School for the
School for the Future of Innovation in Society
https://sfis.asu.edu/degree-programs/graduate-programs/phd/innovation-global-development-igd/welcome
INTDSB 256
sfisgrad@asu.edu
480-965-6584

## Nonfiction Writing and Publishing (Certificate), Certificate (LANWPGRCT)

Online Degree Search Title: Nonfiction Writing and Publishing (Graduate Certificate)
Campus: Downtown Phoenix, Polytechnic, Tempe, West

## Program Description:

The graduate certificate program in nonfiction writing and publishing encourages students, whether from the humanities, bio-medicine or technosciences, to emulate the masters of literary nonfiction as a means to achieve success in commercial and public-interest publishing, both in print and online, especially in the subject areas of technology, science, engineering, the environment and bio-medicine. Such literary role models include Murkajee, on cancer research; Carson, on marine biology; Skloot, on bio-medical materials; Pollan, on food, nutrition and agribusiness; Biss, on
vaccine science; Zimmer, on evolutionary biology; Gould, on paleontology; Haley, on race and society; Ida Wells, on racial violence; Ehrenreich, on the working poor; McKibben, on global warming; and Kidder, on computer science.

By uniting reading and writing about complexity, the program aims to help subject-area masters achieve a more positive impact on society through their scholarly work as well as through literary publishing. The intended outcome of the program is to endow master learners and subject-area experts with the confidence and capability to reach wide audiences of non-specialists, including leaders in business, politics, culture and society.

The certificate is open to all graduate students, including those from the humanities. Those students who desire to write eloquently, persuasively and memorably about techno-science and complex socio-technical systems are ideal for this program. Students will be encouraged to draw on their own deep subject-matter of technology, science, bio-medicine and environmental issues to provide the raw material for their literary narrative and non-narrative writing. While inevitably writers with subject-area mastery engage in some crude forms of translation to achieve their literary ends, they also create new forms of language and modes of knowing that suit the interdisciplinary, multidimensional aspect of their complex topics.

On enrollment, students first must take the required core course, Masters of Nonfiction, which combines reading great masters of nonfiction with writing in forms viewed as classic by literary scholars and practitioners. By drawing on their own techno-scientific knowledge, they focus on various forms of popular writing: participant-observer, omniscient narration, advocacy, explanatory, bearing witness, biography and first-person story (or memoir). Additional classes, offered by various departments, teach writing about food, travel, history, explanatory journalism, science communication, technology and creative nonfiction. The specific sequence of courses can be tailored to each student's specific trajectory and classes can be taken at the student's own pace.

The core course, Masters of Nonfiction, also is open to students who will not pursue the certificate but wish to deepen their command of writing about complexity for general readers.

## Degree Requirements:

15 credit hours.

Required Core ( 3 credit hours)
HPS 520 or HST 520 Masters of Nonfiction (3)

Electives (12 credit hours)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants who attended school outside of the U.S. must hold a bachelor's degree, graduate degree or equivalent from an institution that is officially recognized by that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants are encouraged to enroll in a graduate degree program in conjunction with this certificate but are not required to do so.

International students who need an F1 or J1 visa will first need to apply to and be accepted into a master's or doctoral degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program. Applicants should see the program website for application deadlines.

## Contact Information:

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

# Responsible Innovation in Science, Engineering and Society (certificate), Certificate (GCRSESGRCT) 

Online Degree Search Title: Responsible Innovation in Science, Engineering and Society (Graduate Certificate)
Campus: Tempe

## Program Description:

The certificate program in responsible innovation in science, engineering and society is designed for scientists, engineers, research managers, technology officers, public administrators and policy officials who seek to advance science and technology to improve societal outcomes and to develop creative solutions to the fundamental global challenges of the 21st century.

The program provides knowledge, skills and methods for analyzing innovation and technological systems; knowledge and uncertainty in decisionmaking; the regulation and governance of science and technology; the uptake of science and technology in complex societal settings; and interactions between science, technology and the public. The certificate may be pursued by professionals in industry or government or by graduate students pursuing their Arizona State University degree program.

## Degree Requirements:

15 credit hours including the required capstone course HSD 580.

Required Core ( 3 credit hours)
HSD 540 Responsible Innovation and Research (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)
HSD 580 Practicum (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- resume
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Acceptable proof of English proficiency is an IELTS overall band score of at least 6.5 with no band below 6.0 (no institutional code needed); or a Pearson Test of English score of at least 60; or a TOEFL score of at least 550 (PBT) or 80 (iBT). Students should note that the ASU institutional code for the TOEFL is 4007. Also, students should note that ASU only accepts electronic copies of the TOEFL score report.

International students who need an F1 or J1 visa will first need to apply to and be accepted into a master's or doctoral program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission to be considered for admission to this certificate program.

Applicants should see the program website for application deadlines.

## Contact Information:

Future of Innovation in Society, School for the
School for the Future of Innovation in Society
https://sfis.asu.edu/RISES-welcome
INTDSB 256
sfisgrad@asu.edu
480-965-9432

## Science and Technology Policy, MSTP (LAHSDPSM)

Online Degree Search Title: Science and Technology Policy, MSTP
Campus: Tempe

## Program Description:

The Arizona State University School for the Future of Innovation in Society's one-year MSTP program uniquely prepares its graduates to have an impact in today's technologically complex world. Drawing on some of the world's leading experts and innovative thinkers, it is designed to train future leaders, policymakers and analysts in tackling many complex issues such as climate change, energy security and responsible innovation to public health, global development and social justice.

The Master of Science and Technology Policy program is a one-year, cohort-based program designed to attract students of the highest caliber. However, the program may be completed on a part-time basis, if needed. It is suited to anyone interested in a career in which they work to ensure science and technology serve society through responsive and effective policy development and implementation. Students come from a wide range of backgrounds and go on to develop successful careers in government, business, academic institutions and nongovernmental organizations.

On completion of the program, students will be able to:

- apply critical skills and methods to science and technology policy analysis
- apply cutting edge approaches to ensuring socially responsive and responsible technology innovation
- contribute to developing and implementing creative solutions to many of today's most complex challenges, including responsible innovation, technological convergence, social and environmental sustainability, health and well-being, energy, equity, development, security, information collection and use, infrastructure, democracy, STEM education, the role of science, and space
- describe the historical, social and institutional foundations of science and technology policy
- discuss the complexities of science and technology policy decisions, decision-making under uncertainty and the role of experts
- employ effective policy communications skills and techniques
- work collaboratively and effectively with experts from different backgrounds, including scientists, engineers and elected officials


## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
African and African American Studies, BA
Innovation in Society, BS
Innovation in Society, BA
Justice Studies, BS
Justice Studies, BA
Women and Gender Studies, BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required applied project course (HSD 593).

Required Core (6 credit hours)
HSD 501 Science and Technology Policy (3)
HSD 502 Advanced Science and Technology Policy (3)

Electives (9 credit hours)

Restricted Electives (6 credit hours)

Other Requirements ( 6 credit hours)
HSD 505 Science and Technology Policy Workshop (3)
HSD 584 Internship (3)

Culminating Experience (3 credit hours)
HSD 593 Applied Project (3)

Additional Curriculum Information
Restricted electives are from a list provided by the program chair.

The science and technology policy workshop in Washington, D.C., HSD 505, is required of all students pursuing the Master of Science and Technology Policy degree.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School for the Future of Innovation in Society.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing. Students are strongly encouraged to have prior relevant education, training or experience in science and technology policy; management of science, technology or innovation; or science, technology and society.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- resume
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

## Contact Information:

Future of Innovation in Society, School for the
School for the Future of Innovation in Society
https://sfis.asu.edu/mstp-welcome
INTDSB 256
sfisgrad@asu.edu
480-965-9432

## Global Management, Thunderbird School of

## Applied Leadership and Management, MALM (TBALMMALM)

Online Degree Search Title: Applied Leadership and Management, MALM
Campus: Online

## Program Description:

The MALM program develops the next generation of local leaders within their respective countries. Through a course design focused on business leadership, management and entrepreneurship, the program serves those who want to build intrapreneurial skills or run their own businesses. By bringing the hallmarks of a Thunderbird education to underserved populations, the Master of Applied Leadership and Management program will positively impact the economic development and social welfare in challenging regions of the world.

## Degree Requirements:

30 credit hours including the required capstone course (TAM 597)

Required Core (29 credit hours)
TAM 511 Accounting for Business Leaders (3)
TAM 521 Financial Analysis and Management (3)

TAM 530 Data Analysis and Decision Making (3)
TAM 531 Project and Operations Leadership (3)
TAM 534 Entrepreneurship and Business Plan Development (3)
TAM 541 Strategy in a Competitive World (3)
TAM 542 Leadership and Personal Development (3)
TGM 505 States and Markets in a Global Economy (2)
TGM 540 Managing People from a Global Perspective (2)
TGM 551 Global Marketing Strategy (2)
TGM 579 Communicating in a Global Context (2)

Culminating Experience (1 credit hour)
TAM 597 Integrative Project (1)

## Admission Requirements:

An applicant must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The English proficiency requirements are the same as the Graduate College requirements.

Candidates for this program will come from markets such as Nigeria, Kenya, South Africa, India, Egypt, Indonesia, Columbia, Peru and Brazil.

Two years of work experience is preferred, but not required.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Global Management, Thunderbird School of Thunderbird School of Global Management https://thunderbird.asu.edu

## Global Affairs (Certificate), Certificate (TBGAFGRCT)

Online Degree Search Title: Global Affairs (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

The graduate certificate program in global affairs is designed to provide an in-depth study of the global political economy, global theory, global institutional environment, decision-making and global strategy.

## Degree Requirements:

15 credit hours including the required capstone course (TGM 598).

Required Core (12 credit hours)
SGS 501 Global Theory (3)
SGS 502 Global Institutions and Actors (3)

SGS 503 Methods: Global Decision Making Under Uncertainty (3)
POS 591 Seminar (3)

Culminating Experience (3 credit hours)
TGM 598 Special Topics (Capstone Course)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu
AZCT 800
admissions.tbird@asu.edu
602-496-7100

## Global Affairs and Management, MA (TBGAMMA)

Online Degree Search Title: Global Affairs and Management, MA
Campus: Downtown Phoenix

## Program Description:

The MA in global affairs and management is a transdisciplinary degree program that covers all aspects of global affairs and management, including global relations, political economy and cross-cultural communications, while supplementing this valuable international affairs curriculum with core courses in accounting, finance, management and marketing. The program prepares students with the tools and insight to address complex issues in diplomacy, business and society, and to bring an increased focus on social responsibility to their corporate employers.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Global Management, BGM
International Trade, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

45 credit hours including the required capstone course (TGM 577), or 45 credit hours including the required capstone course (TGM 577).

Required Core (27 credit hours)
TGM 501 Global Accounting (3)
TGM 502 Financial Management for Global Value Creation (3)
TGM 503 Global Marketing (3)
TGM 504 Managing Organizations from a Global Perspective (3)
TGM 505 States and Markets in a Global Economy (3)
TGM 506 Communicating and Negotiating Across Cultures (3)

TGM 545 Advanced Perspectives on Global Leadership and Strategy (3)
TGM 575 Global Affairs Theory (3)
TGM 576 Global Affairs Methods (3)

Electives (12 credit hours)

Other Requirement (3 credit hours)
TGM 508 Regional Business Environment I: Emerging Markets (3) or
TGM 509 Regional Business Environment II: Developed Economies (3)

Culminating Experience (3 credit hours)
TGM 577 International Organizations (3)

Additional Curriculum Information
Students take either TGM 508 or TGM 509 as an other requirement.

For electives coursework, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Global Management, Thunderbird School of
Thunderbird School of Global Management https://thunderbird.asu.edu
AZCT 800
admissions.tbird@asu.edu
602-496-7100

## Global Development (Certificate), Certificate (TBGDVGRCT)

Online Degree Search Title: Global Development (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

The graduate certificate program in global development is designed to provide an in-depth study of the global political economy, social entrepreneurship, community and social engagement, international nongovernmental organizations and global strategy in order to provide skills to make a difference in global society.

## Degree Requirements:

15 credit hours including the required capstone course (TGM 510).

Required Core (6 credit hours)

Electives (9)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu
AZCT 800
admissions.tbird@asu.edu
602-496-7100

## Global Finance (Certificate), Certificate (TBGFINGRCT)

Online Degree Search Title: Global Finance (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

The graduate certificate program in global finance provides specialized content knowledge in financial management, investments, private equity and portfolio management for business, governmental and nongovernmental entities that operate on a global scale. Knowledge of global and regional economic and political landscapes, multinational tax management and country risk analysis are key in financial decision-making.

The courses in this program position students in multinational entities where the accounting emphasis is on international financial reporting standards (IFRS) rather than the United States' generally accepted accounting principles (GAAP), and financial value creation is contingent on efficient management of cross-border transfer pricing, tax planning, currency hedging and interest rate risks. The courses help students explore the business and management differences in countries with varying corporate governance, joint venture structures and financial measures of country business performance. Courses emphasize an experiential approach to learning, using case studies featuring companies across the globe with different cultures and complex legal environments.

The certificate program may be completed in one semester, excluding any required prerequisite courses.

## Degree Requirements:

15 credit hours.

Required Core (6 credit hours)
TGM 518 International Finance and Trade (3)
TGM 519 Global Financial Engineering (3)

Electives (9 credit hours)

Additional Curriculum Information
Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must have taken TGM 521 Managing for Global Value Creation and TGM 522 Global Financial Decisions, or TGM 502 Financial Management for Global Value Creation, or three credit hour $500-$ level graduate course with a minimum grade of " B " (scale is $4.00=$ " A ") or its equivalent. Coursework must be from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business (AACSB), European Quality Improvement System (EQUIS) or Association of MBAs (AMBA), or from other institutions with approval of the academic unit.

## Contact Information:

Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu
AZCT 800
admissions.tbird@asu.edu
602-496-7100

## Global Management, MGM (TBTGMMGM)

Online Degree Search Title: Global Management, MGM
Campus: Downtown Phoenix, Online

## Program Description:

The MGM is an in-depth, global business education professional degree program that combines general management coursework, cross-cultural insight, regional studies and foreign language components to educate global business leaders. With its innovative program philosophy, the master's degree program provides a strategically choreographed progression through every facet of international management, with hands-on, experiential learning opportunities and practical, applicable nuances of global business.

The master's degree offered at the Thunderbird campus is designed for individuals who want to immerse themselves in full-time graduate studies and take classes in person.

The online option is designed for professionals seeking to continue working while attending school. Courses are delivered primarily online with three separate one-week, in-person seminars: one hosted at the Thunderbird campus and two hosted abroad.

## Degree Requirements:

40 credit hours including the required capstone course (TGM 549), or 40 credit hours including the required capstone course (TGM 597).

Required Core (10 credit hours)
TGM 505 States and Markets in a Global Economy (2)
TGM 508 Regional Business Environment I: Emerging Markets (2)
TGM 548 Global Strategy (2)
TGM 579 Communicating in a Global Context (2)
TGM 581 Negotiating in a Global Context (2)

Other Requirements (22 credit hours)
TGM 509 Regional Business Environment II: Developed Economies (2)
TGM 511 Global Financial Accounting (2)
TGM 512 Managerial Accounting and Decision Making in a Global Environment (2)

TGM 521 Managing for Global Value Creation (2)
TGM 522 Global Financial Decisions (2)
TGM 530 Big Data in the Age of the Global Economy (2)
TGM 531 Multinational Value Chain (2)
TGM 532 Leading Global Projects (2)
TGM 540 Managing People from a Global Perspective (2)
TGM 541 Competitive Strategy from a Global Perspective (2)
TGM 551 Global Marketing Strategy (2)
TGM 552 Global Marketing Management (2)

Electives (6 credit hours)

Culminating Experience (2 credit hours)
TGM 549 Global Leadership (2)

Additional Curriculum Information
Students choose eleven courses from the Other Requirements list.

For electives coursework, students should see the academic unit for the approved course list.

Other courses may be used for both Other Requirements and electives, with approval from the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The program is open to candidates from any undergraduate major.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE or GMAT scores may be required after a complete review of the student's application material (including resume, academic transcripts and two letters of recommendation).

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-global-management-global-management?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Global Management, Thunderbird School of Thunderbird School of Global Management https://thunderbird.asu.edu
AZCT 800
admissions.tbird@asu.edu
602-496-7100
Global Management, MGM (TBTGMXMGM)
Online Degree Search Title: Global Management (Executive), MGM
Campus: Downtown Phoenix

## Program Description:

The MGM executive program combines general management coursework, cross-cultural insight, regional studies and foreign language components
to educate global business leaders. With the busy schedules of working professionals in mind, the program is designed to be completed as a lockstep program in 16 months. The executive master's degree program is a unique learning experience through collaboration with executive-level classmates and experienced global faculty. With its innovative program philosophy, the executive program provides a strategically choreographed progression through every facet of international management, with hands-on, experiential learning opportunities and practical, applicable nuances of global business. Upon completing the program, students will receive the Master of Global Management degree.

## Degree Requirements:

40 credit hours including the required capstone course (TGM 549), or 40 credit hours including the required capstone course (TGM 597).

Required Core (10 credit hours)
TGM 505 States and Markets in a Global Political Economy (2)
TGM 508 Regional Business Environment I: Emerging Markets (2)
TGM 548 Global Strategy (2)
TGM 579 Communicating in a Global Context (2)
TGM 581 Negotiating in a Global Context (2)

Other Requirements ( 22 credit hours)
TGM 509 Regional Business Environment II: Developed Economies (2)
TGM 511 Global Financial Accounting (2)
TGM 512 Managerial Accounting and Decision Making in a Global Environment (2)
TGM 521 Managing for Global Value Creation (2)
TGM 522 Global Financial Decisions (2)
TGM 530 Big Data in the Age of the Global Economy (2)
TGM 531 Multinational Value Chain (2)
TGM 532 Leading Global Projects (2)
TGM 540 Managing People from a Global Perspective (2)
TGM 541 Competitive Strategy from a Global Perspective (2)
TGM 551 Global Marketing Strategy (2)
TGM 552 Global Marketing Management (2)

Electives (6 credit hours)

Culminating Experience (2 credit hours)
TGM 549 Global Leadership (2)

Additional Curriculum Information
Students choose eleven courses from the other requirements list. Other courses may be used with approval of the academic unit.

For electives coursework, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

Students are allowed 400 level courses on the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The program is open to candidates from any undergraduate major.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE or GMAT scores may be required after a complete review of the student's application material (including resume, academic transcripts and letter of recommendation).

## Contact Information:

Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu
AZCT 800
admissions.tbird@asu.edu
602-496-7100

## Global Management (Certificate), Certificate (TBTGMGRCT)

Online Degree Search Title: Global Management (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

The graduate certificate program in global management is designed to provide an in-depth study of global political economy, leadership, strategy, negotiations and cross-cultural communications in order provide skills to succeed in today's increasingly global business environment.

## Degree Requirements:

15 credit hours.

Required Core (6 credit hours)
TGM 545 Advanced Perspectives on Global Leadership and Strategy (3)
TGM 547 Leading Change and Transformation in a Global Environment (3)

Electives (9 credit hours)

Additional Curriculum Information
Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GMAT or GRE test scores
- one letter of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Global Management, Thunderbird School of Thunderbird School of Global Management https://thunderbird.asu.edu
AZCT 800
admissions.tbird@asu.edu
602-496-7100
Global Marketing (Certificate), Certificate (TBGMKTGRCT)
Online Degree Search Title: Global Marketing (Graduate Certificate)

## Program Description:

For global marketing, the domestic marketing frameworks and tools are not sufficient. Global marketing expands this content to include the idiosyncrasies and complexities of political, economic, legal, societal, and cultural differences that exist in foreign markets.

The courses in the global marketing certificate position and equip students in multinational corporations or international organizations to comprehend how and why customers make decisions the way they do, leverage branding as a capability to create value and use the abundance of data available in today's market to engage in cutting edge business analytics. The courses in this program emphasize experiential approach to learning, using case studies featuring companies across the globe with different cultures and complex legal environments. The common theme across these courses is to advance understanding of the critical nuanced differences that managers need to recognize when conducting business across borders. Students examine how customer decision-making, branding, business analytics, negotiation, channels and distribution, sales force management, product development and strategic services marketing are played out in the international arena.

## Degree Requirements:

15 credit hours.

Required Core (6 credit hours)
TGM 553 Global Customer Decision Making (3)
TGM 554 Global Marketing Research (3)

Electives (9 credit hours)

Additional Curriculum Information
Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must have taken TGM 551 Global Marketing Strategy and TGM 552 Global Marketing Management, or TGM 503 Global Marketing, or a three credit hour, 500 -level graduate course with a minimum grade of " B " (scale is $4.00=$ " A ") or its equivalent. Coursework must be from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business (AACSB), European Quality Improvement System (EQUIS) or Association of MBAs (AMBA), or other institutions with approval from the academic unit.

## Contact Information:

Global Management, Thunderbird School of Thunderbird School of Global Management https://thunderbird.asu.edu
AZCT 800
admissions.tbird@asu.edu
602-496-7100

## Global Trade and Commerce (Certificate), Certificate (TBGTCMGRCT)

Online Degree Search Title: Global Trade and Commerce (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

The coursework for the graduate certificate in global trade and commerce is tightly integrated and offers a comprehensive coverage of core topics in cross-border commerce and trade. The courses provide a strong understanding of how companies leverage their global value chains to achieve competitive advantage. Students will learn best practices through interaction with faculty engaged in broad-based research and consulting.

## Degree Requirements:

15 credit hours.

Required Core (6 credit hours)
SCM 541 Logistics in the Supply Chain (3)
TGM 537 State Power, Business Interests and Multinational Trade Agreements (3)

Electives (9 credit hours)

Additional Curriculum Information
Students choose three elective courses from a restricted list. Additional courses may be utilized with approval from the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Thunderbird School of Global Management.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must have taken TGM 505 States and Markets in a Global Economy with a minimum grade of "B" (scale is $4.00=$ " A ") or its equivalent from a regionally accredited institution, from an institution accredited by a business accreditation organization such as the Association to Advance Collegiate Schools of Business (AACSB), European Quality Improvement System (EQUIS) or Association of MBAs (AMBA), or other institutions with approval from the academic unit.

## Contact Information:

Global Management, Thunderbird School of Thunderbird School of Global Management https://thunderbird.asu.edu AZCT 800
admissions.tbird@asu.edu
602-496-7100

Health Solutions, College of

## Audiology, AuD (LAAUDAUDD)

Online Degree Search Title: Audiology, AuD
Campus: Tempe

## Program Description

The AuD program is a full-time, three-year residential program with a flexible clinical externship during the fourth year. The program prepares audiologists for autonomous clinical practice and stresses the integration of academic classroom learning and practical experience across a broad spectrum of clinical specialties and practice environments. The program is designed for full-time instruction over a period of 33 months, including three fall and three spring semesters and two summers. The three-year program of study includes academic and clinical practicum components as well as approximately 850 clinical hours completed at both on- and off-campus internship sites. Students may continue their clinical training for up to
one year in a clinical externship experience.

## Degree Requirements:

86 credit hours and a written comprehensive exam, or 95 credit hours and a written comprehensive exam.

Required Core (57 credit hours)
SHS 502 Basic Audiometry (4)
SHS 504 Amplification I (4)
SHS 505 Survival Sign Language (2)
SHS 508 Pediatric Audiology (3)
SHS 510 Amplification II (3)
SHS 511 Auditory Perception by the Hearing Impaired (3)
SHS 513 Neurophysiology of the Auditory System (3)
SHS 516 Auditory Evoked Potentials (4)
SHS 517 Balance Assessment (4)
SHS 518 Auditory Rehabilitation (3)
SHS 520 Auditory Pathologies/Disorders and Otoneurologic Applications (4)
SHS 522 Hearing Conservation and Instrumentation (3)
SHS 523 Advanced Audiometry (3)
SHS 524 Counseling in Communication Disorders (2)
SHS 525 Audiology Practice Management (3)
SHS 526 Launch to Clinical Methods in Audiology (1)
SHS 552 Physiological Measures of Auditory Function (4)
SHS 555 Cochlear Implants (4)

Other Requirements ( $25-28$ credit hours)
SHS 500 Research Methods (3)
SHS 580 Clinical Practicum (8)
SHS 584 Clinical Internship (12)
SHS 589 Topic: Audiology Grand Rounds (2)
SHS 590 Reading and Conference (Audiology Clerkship) (0-3)

Electives and Research (4 credit hours)

Culminating Experience
written comprehensive exam in the form of a passing score on the American Speech-Language-Hearing Association (ASHA) Praxis national certification examination in audiology

Additional Curriculum Information
Students are required to fulfill four credit hours of electives either through coursework, research or additional clinical placements.

Students will have the option to continue enrollment in SHS 590 at one credit per semester for up to three semesters to complete the externship requirements of the ASHA certification. These extra hours of clinical experience will allow students to apply for ASHA certification upon graduation. Students should maintain continuous enrollment and not apply for graduation until they have completed the additional clinical hours for the certification.

Eligibility for graduation is based upon the following:

- achieving a passing score on the 1st year formative exam
- achieving a passing score on the 2nd year summative exam
- achieving a passing score on the American Speech-Language-Hearing Association Praxis national certification examination in audiology
- successful completion of required academic coursework
- successful completion of clinical experiences


## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in speech and hearing science or another related discipline from a regionally accredited institution. Applicants with degrees in related fields (such as nursing, education and any of the biological sciences) may apply, although they may be admitted as leveling students and must complete at least one year of prerequisite courses in speech and hearing science at the undergraduate level.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Admission is a two-stage process involving a review of the application materials and a required online video submission. Applicants meeting the first-stage admission criteria will be notified and invited to provide additional information to complete the second stage of the admissions process. All other applicants will be denied admission. In lieu of an on-campus interview, invited applicants who wish to continue the application process will provide a 15 -minute video introducing themselves and answering several questions from the admission committee. The same questions will be given to all applicants along with instructions about format and submission. Applicants who do not submit a video will be denied admission. The committee will make final decisions regarding admission from the videos received. Space is available in the program for a total of 15 students. Invitations will be sent by the end of February with a deadline for video submission in mid-March.

The personal statement should not exceed 200 words and should describe the reasons for pursuing graduate study in audiology; successful applicants submit statements that are free of grammatical errors and demonstrate proficiency in written communication.

Letters of recommendation should outline the applicant's potential success for graduate-level coursework. Letters from faculty members are most useful. A standard form is not used; letters should be submitted on letterhead from the recommender's institution.

## Contact Information:

Health Solutions, College of
Department of Speech and Hearing Science
https://chs.asu.edu/programs/schools/department-speech-and-hearing-science
COOR 2211
shsgrad@asu.edu
480-965-2374

## Auditory and Language Neuroscience, MS (NHALNEUMS)

Online Degree Search Title: Auditory and Language Neuroscience, MS

## Campus: Tempe

## Program Description:

The MS degree program in auditory and language neuroscience in the Department of Speech and Hearing Science trains scholars in basic and applied research in the fields of auditory and language neuroscience to prepare them for doctoral-level graduate studies as well as for positions in science, health care and industry. In addition to cutting-edge coursework in general and computational neuroscience, this program also includes hands-on training in instrumentation and research applications. Students develop a strong foundation to conduct impactful neuroscience research related to auditory and language processing and human communication.

## Degree Requirements:

Required Core (6 credit hours)

SHS 541 Data Analysis in Auditory and Language Neuroscience (3)

SHS 542 Applied Research Methods in Auditory and Language Neuroscience (3)

Restricted Electives (12 credit hours)

Research (6 credit hours)

SHS 592 Research (6)

SHS 590 Reading and Conference (1)

Culminating Experience (6 credit hours)

SHS 593 Applied Project (6) or

SHS 599 Thesis (6)

Additional Curriculum Information

For restricted electives, students should see the academic unit for an approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited college or university.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- GRE scores
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should indicate potential research mentors that they are interested in working with in the letter of intent or written statement. Letters of recommendation preferably are written by instructors, research mentors or clinical supervisors who can speak to the applicant's aptitude for research and master's level coursework.

## Contact Information:

Health Solutions, College of Department of Speech and Hearing Science
https://chs.asu.edu/shs
COOR 2211
shsgrad@asu.edu
480-965-2374

## Behavioral Health, DBH (LSBEVHEDBH)

Online Degree Search Title: Behavioral Health, DBH
Campus: Online

## Program Description:

The DBH is an innovative and interdisciplinary applied program designed to upgrade master's degree-level professionals to become experts in the emerging field of integrated behavioral care. Integrated care is the holistic treatment of both medical and behavioral conditions that are so common
in primary care and other medical settings but often undetected and untreated. The results are poor clinical outcomes and increased medical costs related to overuse of medical services.

A key recommendation in health care reform is improved integration of medical and behavioral care in order to both improve health outcomes and decrease health care costs. The doctoral curriculum is explicitly focused on graduating experts who can both speak the language of evidencebased clinical interventions and the perform cost savings and return on investment analyses that will be in high demand in new models of accountable care delivery. Traditional doctoral training does not prepare clinicians or managers with the interdisciplinary knowledge required to meet these new demands in the health care marketplace. This program reflects a paradigm shift to a curriculum based on business entrepreneurship skills, such as business plans, marketing and returns on investment specific to health care; evidence-based behavioral interventions for primary care that are efficient and contribute to cost savings by reducing unnecessary medical care services and costs; health care systems policies, economics and finance that respond to emerging opportunities in health care reform; and medical literacy, to understand common medical conditions seen in primary care and consult effectively with the medical team.

The curriculum is unique in that it incorporates internship experience in primary care or similar medical settings, and it integrates clinical and professional affiliated faculty as well as faculty associates who are experts and are directly employed in health care environments in the area that they are teaching. It is a flexible, online degree program that enables students to select a program of study ranging from part-time to full-time attendance, and it is available through ASU Online as a distance-learning program. The program offers either a clinical track for licensed clinicians or a management track for health care managers and leaders, and it replaces the dissertation with a culminating research project that combines an applied research study with a business plan.

Internship experiences are arranged with local site liaisons, and students meet in small groups with a doctoral consultant who leads case reviews and studies. Rural health and experiences with disadvantaged and multicultural populations are encouraged. Graduates of the program will contribute to a societal transformation by leading to improved access to behavioral care, integration of a behavioral provider on the medical team, improved patient outcome and satisfaction, and decreased cost of care.

## Degree Requirements:

84 credit hours including the required applied project course (IBC 793).

Required Core (12 credit hours)
IBC 712 Population Based Health Management (3)
IBC 714 Quality and Performance Measurement, Improvement, and Incentives (3)
IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)
IBC 720 Behavioral Health Entrepreneurship (3)

Electives (33 credit hours)

Internship and Culminating Experience (9 credit hours)

Additional Curriculum Information
previously awarded master's degree or other courses approved by the supervisory committee ( 30 credit hours)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (on a 4.00 scale) in the applicable master's degree.

All applicants must submit an online graduate admission application. Applicants should see specific concentrations for the items that must be submitted.

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must meet university and degree program English proficiency requirements.

In order to use the 30 credits from a previous master's degree, applicants must possess a bachelor's degree and a master's degree from a regionally accredited postsecondary institution in the U.S. or an equivalent degree from a recognized international postsecondary institution.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/programs/schools/doctor-behavioral-health
HLTHS 462
dbh@asu.edu
602-496-1354

## Behavioral Health (Clinical), DBH (NHBVHCDBH)

Online Degree Search Title: Behavioral Health (Clinical), DBH

Campus: Online

## Program Description:

The DBH with a clinical concentration is an innovative program that provides behavioral health, allied health and medical providers with specific training on integrated primary care. Its unique curriculum focuses on three primary areas: medical literacy, to enhance collaboration with medical providers; evidence-based interventions, for the primary medical setting; and entrepreneurship, in order to comprehensively address the evolving needs of the health care system. Graduates of the clinical concentration are positioned to transform health care delivery through evidence-based treatment that promotes overall health and well-being.

## Degree Requirements:

84 credit hours including the required Applied Project Course (IBC 793)

Required Core (12 credit hours)
IBC 611 Population-Based Behavioral Health Management (3)
IBC 614 Quality and Performance Measurement, Improvement, and Incentives (3)
IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)
IBC 720 Behavioral Health Entrepreneurship (3)

Concentration ( 15 credit hours)
IBC 601 Models of Integrated Primary Care (3)
IBC 603 Brief Interventions in Primary Care (3)
IBC 604 Clinical Medicine/Pathophysiology (3)
IBC 608 Psychopharmacology for the Behavioral Care Provider (3)
IBC 609 Clinical Neuropathophysiology (3)

Electives or Research (18 credit hours)

Other Requirement (6 credit hours)
IBC 684 Internship (6)

Culminating Experience (3 credit hours)
IBC 793 Applied Project (3)

Additional Curriculum Information
A previously awarded master's degree from a regionally accredited university or other courses approved by the supervisory committee is required (30 credit hours).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (on a 4.00 scale) in the applicable master's degree.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- copy of the applicant's license or license eligibility
- one professional letter of recommendation
- updated curriculum vitae or resume
- program policies acknowledgements
- video or webcam admission interview (if indicated)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants with master's degrees in counseling, family therapy, nursing, occupational health, and social work, among others, are encouraged to apply. Applicants must be master's degree-level professionals who are either currently employed or aspire to be employed in a clinical capacity within integrated health care.

Licensed and license-eligible are terms defining a license to practice issued by a state licensing board (e.g., Arizona Board of Behavioral Health Examiners, Arizona Board of Occupational Therapy Examiners, etc.). Examples include:

- license-eligible master's degree-level behavioral clinician
- licensed master's degree-level behavioral clinician
- master's degree-level licensed medical or ancillary health care provider (nurse, dietitian, occupational therapist)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/doctor-behavioral-healthclinical)

## Contact Information:

Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/programs/schools/doctor-behavioral-health
HLTHS 462
dbh@asu.edu
602-496-1354

## Behavioral Health (Management), DBH (NHBVHMDBH)

Online Degree Search Title: Behavioral Health (Management), DBH
Campus: Online

## Program Description:

The DBH with a concentration in management is an innovative doctoral degree program that provides current and aspiring health care managers with training that addresses integrated medical and behavioral health care.

The unique curriculum focuses on health care policies and delivery systems; quality improvement strategies for achieving the Triple Aim (i.e., improve patient experience, improve population health outcomes, and reduce health care costs); and the entrepreneurship skills needed to address the evolving needs of the health care system.

Graduates of the management concentration are trained to provide effective and accountable leadership and are positioned to transform health care delivery through the development, implementation and evaluation of evidence-based programs that promote whole-patient health care.

## Degree Requirements:

84 credit hours including the required Applied Project Course (IBC 793).

Required Core (12 credit hours)
IBC 611 Population-Based Behavioral Health Management (3)
IBC 614 Quality and Performance Measurement, Improvement, and Incentives in Health Care (3)
IBC 718 Healthcare Systems: Organization, Delivery and Economics (3)
IBC 720 Behavioral Health Entrepreneurship (3)

Concentration (18 credit hours)
IBC 601 Models of Integrated Primary Care (3)
IBC 626 Behavioral Health Management (3)
IBC 630 Financial Management of Health Care (3)
IBC 660 Healthcare Legal, Ethical, and Professional Issues (3)
IBC 716 Health Care Information Management (3)
IBC 740 Integrated Behavioral Interventions, Cost Savings, Medical Cost Offset and Return on Investment (3)

Electives or Research (18 credit hours)

Other Requirements (3 credit hours)
IBC 684 Internship (3)

Culminating Experience (3 credit hours)
IBC 793 Applied Project (3)

Additional Curricular Information
previously awarded master's degree from a regionally accredited university or other courses approved by the supervisory committee ( 30 credit hours)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (on a 4.00 scale) in the applicable master's degree.

All applicants must submit:

- graduate admission application
- official transcripts
- personal statement
- one professional letter of recommendation
- updated curriculum vitae or resume
- program policies acknowledgements
- video or webcam admissions interview (if indicated)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants with master's degrees in business administration, public health, nursing, counseling, health care administration and social work, among others, are encouraged to apply. Applicants must be master's degree-level professionals who are either currently employed or aspire to be employed in a clinical capacity within integrated health care.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/doctor-behavioral-healthmanagement)

## Contact Information:

Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/programs/schools/doctor-behavioral-health
HLTHS 462
dbh@asu.edu
602-496-1354

## Biomedical Diagnostics, MS (NHBMDMS)

Online Degree Search Title: Biomedical Diagnostics, MS
Campus: Online

## Program Description:

The MS program in biomedical diagnostics is designed to be completed in one year, if enrolled full-time. This degree is offered entirely through ASU's unique online framework and offered primarily in condensed sessions.

The program has four areas that provide the foundation for the degree program:

[^2]- business of diagnostics
- science of diagnostics
- technology of diagnostics

Students will complete a culminating experience in which they will work with ASU professors or industry partners on a topic relevant to the diagnostics field.

## Degree Requirements:

30 credit hours including an applied project (BMD 593).

Required Core (16 credit hours)
BMD 502 Foundations of Biomedical Informatics Methods I (3)
BMD 510 Current Perspectives in Biomedical Diagnostics (3)
BMD 511 Health Economics, Policy and Payment Models (3)
BMD 513 Principles of Diagnostic Technology: Immunoassays (4)
BMD 667 Regulation of Medical Diagnostics (3)

Other Requirement (3 credit hours)
BMD 598 Molecular Diagnostics (3)

Electives (6 credit hours)

Research (2 credit hours)

Culminating Experience (3 credit hours)
BMD 593 Applied Project (3)

Additional Curricular Information
Please see the academic unit for an approved elective list of BMD courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university in one of the following fields, or a closely related field: biomedical informatics, biology, life sciences, chemistry, biochemistry, engineering, biomedical engineering, business, computer science, supply chain management, health sciences or medical studies.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency (students should see the Graduate College requirement https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency)).

There are no required admission examinations.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-biomedical-diagnostics?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Health Solutions, College of
Biomedical Informatics Program
https://chs.asu.edu/programs/schools/international-school-biomedical-diagnostics
Mayo Clinic Scottsdale, JRB 210
isbd@asu.edu

## Biomedical Informatics, MS (ESBIOINFMS)

Online Degree Search Title: Biomedical Informatics, MS

## Campus: Tempe

## Program Description:

The Department of Biomedical Informatics is in the College of Health Solutions at Arizona State University. Professionals in the field use biomedical data, information and knowledge to improve human health. Students learn problem-solving, theory and methodologies underlying the field of biomedical informatics. Students in the MS program in biomedical informatics take courses in areas such as knowledge representation, clinical environments, imaging, bioinformatics and data science. Core courses provide a background in clinical informatics, while electives allow specialization in focus areas such as data science or mobile health.

BMI fosters collaborations among academic researchers, clinical practitioners and regional health care providers to apply new developments in informatics theory to clinical practice. Biomedical informatics has a key role to play in the transformation to more effective and efficient health care through the use of knowledge and information technology.

The program educates students in the informatics knowledge and skills that will enable them to:

- detect disease early
- improve the patient hospital experience
- improve the precision of diagnosis
- improve the quality of patient health care and reduce its cost
- minimize hospital visits


## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Biomedical Informatics, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

32 credit hours including an applied project (BMI 593).

Required Core (17 credit hours)
BMI 502 Foundations of Biomedical Informatics Methods I (3)
BMI 504 Introduction to Clinical Environments (3)
BMI 505 Foundations of Biomedical Informatics Methods II (3)
BMI 540 Problem Solving in Biomedical Informatics (3)
BMI 570 BMI Symposium (2)
BMI 601 Fundamentals of Health Informatics (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)
BMI 593 Applied Project (3)

Additional Curriculum Information
Six of the 12 elective credit hours must be BMI courses.

Due to the diverse academic backgrounds of students requesting admission into this program, many will find it necessary to take some coursework in preparation. However, all students will take 32 credit hours of graduate-level coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology, computer science, engineering, nursing or statistics from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
statement of purpose
- GRE scores
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via TOEFL scores.

Applicants who have earned degrees in other unrelated fields with appropriate academic backgrounds also will be considered. However, all applicants must have basic competencies in college-level calculus (similar to MAT 270), general biology (similar to BIO 188) or physiology, statistics (similar to STP 226) and basic computer programming (similar to CSE 100 or CSE 110).

The applicant's undergraduate GPA, statement of purpose and depth of preparation in their field are the primary factors affecting admission. Every applicant must submit scores for the GRE or any other graduate-level entry examination.

## Contact Information:

Health Solutions, College of
Biomedical Informatics Program
https://chs.asu.edu/programs/schools/department-biomedical-informatics
Mayo Clinic Scottsdale, JRB 210
bmi@asu.edu
480-884-0220

## Biomedical Informatics, PHD (ESBMIPHD)

Online Degree Search Title: Biomedical Informatics, PhD
Campus: Tempe

## Program Description:

The PhD program in biomedical informatics allows students to develop expertise in areas such as bioinformatics, clinical informatics, population health management and imaging. The BMI program fosters collaborations among academic researchers, clinical practitioners and regional health care providers to apply new developments in informatics theory to clinical practice.

Additional specialization coursework in an area of focus and emphasis on independent research are intended to place students at the leading edge of the field. Strong collaborative relationships with a variety of health care organizations, the bioscience industry and governmental agencies provide an unparalleled opportunity for doctoral students to explore and contribute to advances in bioinformatics and informatics related to imaging, clinical medicine and population health. Students may explore special foci on cross-cutting areas such as data science and knowledge representation.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

```
Required Core (22 credit hours)
BMI }502\mathrm{ Foundations of Biomedical Informatics Methods I (3)
BMI }504\mathrm{ Introduction to Clinical Environments (3)
BMI }505\mathrm{ Foundations of Biomedical Informatics Methods II (3)
BMI 515 Applied Biostatistics in Medicine and Informatics (3)
BMI }540\mathrm{ Problem Solving in Biomedical Informatics (3)
BMI }560\mathrm{ Teaching in Biomedical Informatics (2)
BMI }570\mathrm{ Symposium (2)
BMI }601\mathrm{ Fundamentals of Health Informatics (3)
Electives (38 credit hours)
Research (12 credit hours)
BMI }792\mathrm{ Research (12)
Culminating Experience (12 credit hours)
BMI 799 Dissertation (12)
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## Additional Curriculum Information

Due to the diverse academic backgrounds of students requesting admission into this program, many will find it necessary to take some coursework in preparation. However, all students will take 84 credit hours of approved graduate-level coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Scores for the TOEFL for applicants whose native language is not English is required.

An applicant should have earned a bachelor's degree in biology, computer science, engineering or statistics, or be trained as a postbaccalaureate health professional in medicine, nursing or pharmacy. Those who have earned degrees in other unrelated fields with appropriate academic backgrounds will also be considered. However, all applicants must have basic competencies in anatomy and physiology, college calculus, computer programming, general biology and statistics

The applicant's undergraduate GPA, statement of purpose and depth of preparation in their field are the primary factors affecting admission. Scores for the GRE (verbal, quantitative and analytical are required; the subject test is optional) or any other graduate-level entry examination.

## Contact Information:

Health Solutions, College of
Biomedical Informatics Program
https://chs.asu.edu/programs/schools/department-biomedical-informatics
Mayo Clinic Scottsdale, JRB 210
bmi@asu.edu
480-884-0220

## Clinical Exercise Physiology, MS (NHCEPMS)

Online Degree Search Title: Clinical Exercise Physiology, MS

Campus: Downtown Phoenix

## Program Description:

This MS degree program is preparation for a career as a clinical exercise physiologist, someone who usually works in concert with medical professionals to guide exercise and rehabilitation programs for at-risk clients and clients with chronic diseases, and it will provide the knowledge, clinical experience and skills needed to prepare individuals for successful completion of the registration examination for the registered clinical exercise physiologist certification.

The American College of Sports Medicine is the national association responsible for establishing guidelines and recommendations for exercise testing, prescription and evaluation of research for both healthy populations and those with chronic disease. The ACSM certification is deemed the organization's most prestigious credential for clinical professionals with a master's degree working with clients who are under the care of a physician for cardiovascular, pulmonary, and metabolic diseases as well as orthopedic or musculoskeletal, neuromuscular, and neoplastic immunological or hematological diseases.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Exercise and Wellness, BS
Kinesiology, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their
academic departments to apply.

## Degree Requirements:

36 credit hours and a written comprehensive exam.

Required Core ( 24 credit hours)
EXW 501 Research Statistics (3)
EXW 535 Advanced Exercise Assessment and Prescription (3)
EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)
EXW 542 Health Promotion (3)
EXW 560 Cardiopulmonary Rehabilitation (3)
EXW 565 Cardiovascular and Pulmonary Physiology (3)
EXW 568 Management and Treatment of Chronic Disease for the Clinical Exercise Physiologist (3)
KIN 547 ECG Interpretation (3)

Electives (2 credit hours)
EXW 591 Seminar (2)

Research (4 credit hours)
EXW 500 Research Methods (3)
EXW 592 Research (1)

Other Requirement (6 credit hours)
EXW 584 Clinical Exercise Physiology Internship (6)

Culminating Experience (0-6 credit hours)
written comprehensive exam or
EXW 599 Thesis (6)

Additional Curriculum Information
Students take EXW 591 in two terms for 1 credit hour each.

Thesis students must pass a written and oral comprehensive exam.

Students who select the thesis option are not required to participate in the six credit hours of EXW 584 Clinical Exercise Physiology Internship.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in exercise science, exercise physiology, kinesiology or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of the student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letter of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There is no required foreign language exam.

All qualified applicants will be admitted providing they have met all requirements for admission. Admission will not be limited to any target number of students unless enrollment exceeds the projected capacity of the program to provide an adequate, quality program. In the case of space limitations, applicants will be prioritized based on GRE scores, GPA, letters of reference and letter of intent for admission to the program.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
healthpromotion@asu.edu
602-496-0862

## Communication Disorders, MS (LACOMDISMS)

Online Degree Search Title: Communication Disorders, MS

## Campus: Tempe

## Program Description:

The MS in communication disorders is a full-time residential program that can be completed in 20 months and prepares students to become certified speech language pathologists. The master's degree program trains students to evaluate and treat clients in speech, language, cognitive and communication disorders.

The first year of the program focuses on developing knowledge and skills in assessment and treatment of communication disorders across the lifespan. Hybrid courses use "flipped classrooms" and problem-based learning to develop skills needed in the field. The second year of the program allows students to focus their interests in specialty areas and acquire clinical skills in external clinical placements. The program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

This program provides a wide range of research and clinical opportunities. Clinical settings include inpatient and outpatient medical sites, public schools, early intervention programs and private practices. A part-time employment program is available for speech language pathology assistants who are working in a public school setting.

## Degree Requirements:

52 credit hours and a written comprehensive exam, or 52 credit hours, a thesis and a written comprehensive exam.

Required Core ( 23 credit hours)
SHS 538 Clinical Methods in Speech-Language Pathology (4)
SHS 539 Professional Issues in Speech-Language Pathology (1)
SHS 567 Neural Bases of Communication Disorders (2)
SHS 571 Augmentative Communication and Language Programming (2)
SHS 572 Language Assessment and Intervention in Infants and Toddlers (2)
SHS 573 Language Assessment and Intervention with School-Age Populations (2)
SHS 574 Management of Voice and Swallowing Disorders (2)
SHS 575 Aphasia and Related Neurologic Language Disorders (2)
SHS 582 Differential Diagnosis of Communication Disorders (2)
SHS 585 Articulation and Phonology: Assessment and Intervention (2)
SHS 587 Language Assessment and Intervention with Preschool Populations (2)

Electives (4 or 10 credit hours)

Research (1 credit hour)
SHS 500 Research Methods (1)

Clinical Practicum (8 credit hours)
SHS 580 Clinical Practicum (8)

Internship (10 credit hours)
SHS 584 Clinical Internship (10)

Culminating Experience
written comprehensive exam OR
thesis ( 6 credit hours) with oral defense and a written comprehensive exam

Additional Curricular Information
Core course SHS 538 is one credit hour taken four times for a total of four credit hours.

Students in the thesis option take four credit hours of electives. Students in the nonthesis option take 10 credit hours of electives. Students should see the academic unit for an approved list of elective courses.

Both the thesis and nonthesis options require the American Speech-Language-Hearing Association Praxis national exam in speech language pathology. This is the comprehensive exam for the thesis option. For the nonthesis option, a department-administered comprehensive examination in speech-language pathology is required along with the national exam to fulfill the requirements of the comprehensive exam.

Eligibility for graduation is based upon a passing score on the American Speech-Language-Hearing Association Praxis national certification examination in speech-language pathology; successful completion of the thesis or nonthesis option, including the required culminating experience and academic credits; and successful completion of clinical experiences.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in speech and hearing science or a related field from a regionally accredited institution and completed prerequisite coursework in speech and hearing.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement not to exceed 300 words
- GRE scores
email addresses of three recommenders
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines and admission terms. Candidates who have undergraduate deficiencies may need to take required prerequisite courses.

## Contact Information:

Health Solutions, College of
Department of Speech and Hearing Science
https://chs.asu.edu/programs/schools/department-speech-and-hearing-science
COOR 2211
shsgrad@asu.edu
480-965-2374

## Exercise and Nutritional Sciences, PHD (ECNUTRIPHD)

Online Degree Search Title: Exercise and Nutritional Sciences, PhD

Campus: Downtown Phoenix

## Program Description:

The graduate faculty mentors of the School of Nutrition and Health Promotion in the College of Health Solutions offer a PhD degree in exercise and nutritional sciences. The mission of the program is to foster research which will promote healthy lifestyles intended to reduce the physical, social and economic costs of unhealthy living. While many healthy lifestyles are studied, the emphasis is on physically active living and sound nutrition.

Students are challenged to integrate disciplinary information from the exercise and nutrition sciences in combination with health promotion research. Thus the doctoral program in exercise and nutritional sciences is uniquely designed to train scholars to conduct high impact, transdisciplinary health promotion research that explores issues that contribute to health through chronic disease risk reduction, quality of life promotion and enhancement of well-being.

Program graduates are prepared for research careers. The majority, 70 percent, have procured postdoctoral research fellowships, research faculty positions in research intensive universities, or have obtained research positions in the nonprofit industry, government or in for-profit private sector research institutes. About 30 percent of graduates secure clinical or teaching-intensive positions upon graduation.

The program requires full-time residency and typically is completed within four years of full-time study after the master's degree. Students work with an approved mentor from the beginning to the end of the doctoral program. A mentor is selected by mutual agreement between student and mentor based on mutually compatible research interests and funding availability.

Students are actively engaged in research at every stage of the program through participation in research internships, independent research experiences, research seminars and colloquia, and dissertation research.

## Degree Requirements:

97 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core ( 6 credit hours)
EXW 640 Analysis of Variance for Exercise and Wellness (3)
EXW 643 Correlation/Regression/Multivariate Statistics (3)

Required Research (12 credit hours)

Elective Research (17 credit hours)

Professional Development (5 credit hours)

Area of Focus (theme) (15 credit hours)

Dissertation (12 credit hours)

Additional Curriculum Information
Students are to tailor a course of study in either: nutrition and health, or physical activity and health. Within these areas, students are expected to focus their study in a specific thematic area. There are eight thematic areas to choose from:

- behavioral aspects of nutrition and physical activity
- biomechanics, movement control and injury prevention
- chronic disease prevention
- energy balance, metabolism and physiology
- epidemiology, surveillance and measurement
- health information, communication and technology
- lifespan, aging and special populations
- public health, community and health policy

Courses in the focus or thematic area are determined by the student and supervisory committee. Up to three but not more than nine credit hours in the focus area may be taken from a program outside the nutrition, exercise science and health promotion programs.

When approved by the student's supervisory committee and Graduate College, 30 credit hours from a previously awarded master's degree are allowed to be used for this degree.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree in any field, from a regionally accredited institution, and prefer that a data-based research thesis has been completed.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, and applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores (verbal, quantitative and writing)
- letter of intent
- professional resume
- three letters of recommendation
- teaching or research assistantship application
- writing sample (six to 10 pages)
- an oral interview with program faculty (in person or via Skype) prior to acceptance
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants must submit a TOEFL score unless the requirements for an exception have been met. Details are available at
https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

The letter of intent should indicate research or scholarly interest, primary program area, statement of career goals and name of a potential faculty mentor from the list of approved faculty mentors.

## Prerequisites

All applicants must have taken a graduate level research methods and a graduate level research statistics course prior to admission. Students will be expected to take a pretest in research methods and research statistics the summer prior to enrolling.

It is expected that students admitted to the program will have documented academic training and a strong interest in exercise science, nutrition science or health promotion. Thus, depending on the student's academic training, background, scholarly interests and focus area, a student may be asked to take undergraduate courses as deficiencies prior to or concurrently with graduate course enrollment.

Pathways through program
Two pathways through the program are available to students depending on their funding source: full-time via TA/RA funding, or part-time selffunded. With both pathways, the intent is to involve and embed students in ongoing research as well as in class study throughout their stay.

Students should see the program website for application deadlines and admission terms.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion/programs
HLTHN 410 BB
interdisciplinaryphd@asu.edu
602-496-2373

## Exercise and Wellness, MS (ECEXERMS)

Online Degree Search Title: Exercise and Wellness, MS
Campus: Downtown Phoenix

## Program Description:

The MS program in exercise and wellness offers unique opportunities for those interested in becoming scholarly professionals with advanced training in fitness and wellness, strength and conditioning, exercise and physical activity health promotion, or exercise and chronic disease prevention. The degree program is appropriate for those who wish to pursue careers in commercial fitness and wellness, strength and conditioning, worksite or corporate fitness, community physical activity health promotion, personal training for health and performance or life coaching; for professionals in education, counseling, nutrition, or other health related fields who wish to expand their knowledge and skill for working with fitness, exercise and physical activity behavior; and for those who wish to pursue further graduate study in fields such as exercise physiology, public health or physical therapy.

## Degree Requirements:

36 credit hours and a applied project, or 36 credit hours and a thesis, or 36 credit hours and a written comprehensive exam.

Required Core (9 credit hours)
EXW 501 Research Statistics (3)
EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)
EXW 542 Health Promotion (3)

Research (6 credit hours)
EXW 500 Research Methods (3)
EXW 591 Exercise and Wellness Seminar (1)
EXW 592 Research (2)

Electives (15-21 credit hours)

Culminating Experience ( $0-6$ credit hours)
EXW 599 Thesis (6) or
EXW 593 Applied Project (6) or
written comprehensive exam (0)

Additional Curriculum Information
All students must focus their plan of study in one of two areas: health promotion and physical activity or fitness and conditioning. The focus will determine the choice of electives available to students. For a list of approved elective courses, students should see the academic unit.

All students are admitted to the nonthesis option but may apply to the thesis option.

The nonthesis option requires an applied project or a written comprehensive exam as the culminating experience. The nonthesis option is an appropriate choice for those students who cannot devote full-time to their research endeavors or for students who are seeking to continue their education, advance their skill level as practitioners or advance their current careers. Students who take the written comprehensive exam are required to take six additional elective courses in the focus area.

In the thesis option, the thesis is considered the final integrative experience of the degree; it involves conducting research that is guided by a recognized research paradigm (e.g., scientific, interpretive) and producing a scholarly report of the process and results. The thesis option is a good choice for students who are interested in pursuing more advanced graduate study in the field.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution. Students are expected to have the coursework and undergraduate credit for the basic courses required for a BS degree in exercise and wellness. Students who do not have these course competencies can be admitted with deficiencies. Deficiencies are determined upon admission, and these courses must be completed, usually by the end of the first year of study. These courses are not considered part of the graduate plan of study. A graduate course may be substituted for a deficiency but will be evaluated on a case-by-case basis.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of career or research interests
- three professional letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must submit proof of English proficiency.

BIO 201 and BIO 202 must be completed prior to admission to the master's degree. Other deficiency courses may be taken prior to or during the master's degree program. The corresponding ASU course can be found in parentheses:

Human Anatomy and Laboratory (BIO 201 Human Anatomy and Physiology I)
Human Physiology and Laboratory (BIO 202 Human Anatomy and Physiology II)
Human Nutrition (NTR 241 Human Nutrition)
Exercise Physiology and Laboratory (EXW 315 Physiological Foundations of Movement)
Kinesiology and Laboratory (EXW 330 Kinesiological Foundations of Movement)
Exercise Testing and Laboratory (EXW 420 Exercise Testing)
Exercise Prescription (EXW 425 Exercise Prescription)

An undergraduate course in statistics is strongly recommended.

Students should see the program website for application deadlines.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/exercise-and-wellness-ms
HLTHN 406AB
healthpromotion@asu.edu
602-496-0862

## Exercise and Wellness (Healthy Aging), MS (NHEXWHMS)

Online Degree Search Title: Exercise and Wellness (Healthy Aging), MS
Campus: Downtown Phoenix

## Program Description:

The MS program in exercise and wellness with a concentration in healthy aging prepares the graduate student in the delivery of physical activity programs to older adults. Program content includes the theories of aging; the impact of aging on functional capacity and motor abilities; the role of lifestyle behaviors in aging, physical activity assessment and programming for older adults; physical activity and nutritional influences on healthful aging; and the relationship of exercise and chronic disease.

## Degree Requirements:

36 credit hours and a thesis, or 36 credit hours and a written comprehensive exam, or 36 credit hours including a capstone course (EXW 597).

Required Core ( 9 credit hours)
EXW 501 Research Statistics (3)
EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)
EXW 542 Health Promotion (3)

Concentration (15 credit hours)
EXW 535 Advanced Exercise Assessment and Prescription (3)
EXW 540 Mindfulness, Stress and Health (3)
EXW 568 Management and Treatment of Chronic Disease for the Clinical Exercise Physiologist (3)
KIN 523 Motor Control and Aging (3) OR EXW 635 Physical Activity and Aging (3)
NTR 551 Geriatric Nutrition (3)

Research (6 credit hours)
EXW 500 Research Methods (3)
EXW 591 Seminar (1)
EXW 592 Research (2)

Other Requirement (6)
EXW 584 Internship (6)

Culminating Experience (0 or 6 credit hours)
EXW 597 Capstone Project (6) OR
EXW 599 Thesis (6) OR
written comprehensive exam (0)

Additional Curriculum Information
EXW 584 Internship is only taken by students who select the written comprehensive exam culminating experience option.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
official transcripts
- GRE scores
- statement of career or research interests
- three professional letters of recommendation
- proof of English proficiency

Additional Application Information
Applicants are expected to have the coursework and undergraduate credit for the basic courses required for a BS degree in exercise and wellness. Students who do not have these course competencies can be admitted with deficiencies. Deficiencies are determined upon admission, and these courses must be completed, usually by the end of the first year of study. These courses are not considered part of the graduate plan of study. A graduate course may be substituted for a deficiency but will be evaluated on a case-by-case basis.

The following courses must be completed prior to or during the master's degree as deficiencies. The corresponding ASU course can be found in parentheses:

Human Anatomy and Laboratory (BIO 201 Human Anatomy and Physiology I)
Human Physiology and Laboratory (BIO 202 Human Anatomy and Physiology II)
Human Nutrition (NTR 241 Human Nutrition)
Exercise Physiology and Laboratory (EXW 315 Physiological Foundations of Movement)
Kinesiology and Laboratory (EXW 330 Kinesiological Foundations of Movement)
Exercise Testing and Laboratory (EXW 420 Exercise Testing)
Exercise Prescription (EXW 425 Exercise Prescription)

An undergraduate course in statistics is strongly recommended.

An applicant whose native language is not English (regardless of current residency) must submit a proof of English proficiency via a TOEFL score unless they meet the requirements for an exception.

Students should see the program website for application deadlines.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHN 406AB
healthpromotion@asu.edu
602-496-0862
Health Informatics, MAS (GCHLHINMAS)
Online Degree Search Title: Health Informatics, MAS
Campus: Online

## Program Description:

The MAS degree in health informatics is a flexible program formatted to meet the needs of working professionals. Core courses provide a background in clinical informatics, while electives allow students to specialize in focus areas such as data science or mobile health. The degree program prepares graduates with skills for careers in a wide range of health care settings. Professionals in nonhealth fields can also develop the skills needed to transition into careers in this rapidly expanding field

## Degree Requirements:

30 credit hours including the required applied project course course (BMI 593).

Required Core (12 credit hours)
BMI 601 Fundamentals of Health Informatics (3)
BMI 603 Health Informatics Database Modeling and Applications (3)
BMI 614 Current Perspectives in Health Informatics (3)
BMI 616 Clinical Decision Support and Evidence-Based Medicine (3)

Electives (15 credit hours)

Culminating Experience (3 credit hours)
BMI 593 Applied Project

## Admission Requirements:

Applicants must fulfill the requirements of the Graduate College and the College of Health Solutions

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related field such as biology, computer science, medicine, nursing, pharmacy or public health, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants are required to submit:.

- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- two letters of recommendation
- statement of purpose
- proof of English proficiency

Additional Admission Requirements
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score is required for applicants whose native language is not English.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-health-informatics)

## Contact Information:

Health Solutions, College of
Biomedical Informatics Program
https://chs.asu.edu/programs/health-informatics-mas
Mayo Clinic Scottsdale, JRB 210
bmi@asu.edu
480-884-0220
Integrated Behavioral Health - Clinical (Certificate), Certificate (NHIBHCGRCT)
Online Degree Search Title: Integrated Behavioral Health -Clinical (Graduate Certificate)
Campus: Online

## Program Description:

The certificate program in integrated behavioral health - clinical is designed to provide training to clinicians who aspire to work in integrated primary care behavioral health. Despite the growing need for behavioral health providers who can promote the physical and mental health of primary care patients, there remain few opportunities for specific clinical training in the field. Currently, much of the workforce consists of individuals licensed as social workers and counselors; however, few have received specific training in brief, focused interventions delivered in primary care clinics for a wide scope of health concerns. This certificate program is designed to provide students with a deeper understanding of models of primary care behavioral health, training on evidence-based approaches to behavioral health care, and population-based health, and medical literacy to ensure applicants have a working knowledge of the skills necessary for success in the integrated primary care arena.

## Degree Requirements:

Required Core (12 credit hours)
IBC 601 Models of Integrated Primary Care (3)
IBC 603 Brief Interventions in Primary Care (3)
IBC 604 Clinical Medicine/Pathophysiology (3)
IBC 611 Population-Based Behavioral Health Management (3)

Electives (3 credit hours)

Additional Curriculum Information
Students should see the academic unit for the approved course list of electives. Other coursework may be used with the approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree in a related field such as social work, counseling, family therapy, clinical psychology or nursing, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official graduate transcripts
- personal statement
- one letter of professional recommendation
- current resume or curriculum vita
- submission of licensure form and copy of license
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

All applicants are required to hold a master's degree that results in behavioral health licensure or license-eligibility. In rare cases, applicants will be considered with a master's degree and licensure unrelated to their degree (e.g., applicant with a master's degree in public health and licensure as a registered dietician). Consistent with the current admissions process for the Doctor of Behavioral Health program, licensure and licensure-eligibility is determined by the student's submission of an online form that is part of the supplemental application and a copy of their board-issued license.

The requirements for the personal statement are outlined on the online application.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/programs/integrated-behavioral-health-clinical-graduate-certificate
HLTHS 462
IBHcertificate@asu.edu
602-496-1354

## Integrated Behavioral Health - Management (Certificate), Certificate (NHIBHMGRCT) <br> Online Degree Search Title: Integrated Behavioral Health - Management (Graduate Certificate) <br> Campus: Online

## Program Description:

The certificate in integrated behavioral health --- management is designed to provide training to master's degree-level health care managers (or aspiring health care managers) on the integration of medical and behavioral services. Integrated health care has expanded significantly in recent years in conjunction with the expansion of the primary care medical home model and other funding initiatives that reimburse primary care practices for better managing the whole-health care of their patients, including treatment of mental health concerns and enhanced behavior change coaching that result in improved health outcomes. Despite the growing need for such clinics, few individuals have received training on models of primary care integration and business and funding initiatives required for successful integration.

## Degree Requirements:

Required Core (12 credit hours)
IBC 601 Models of Integrated Primary Care (3)
IBC 614 Quality and Performance Measurement, Improvement and Incentives in Health Care (3)
IBC 626 Behavioral Health Management (3)
IBC 630 Financial Management of Health Care (3)

Electives (3 credit hours)

Additional Curriculum Information
Students should see the academic unit for the approved course list of electives. Other coursework may be used with the approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

- graduate admission application and application fee
- official transcripts
- personal statement
- one letter of professional recommendation
current resume or curriculum vita
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The requirements for the personal statement are outlined on the online application.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/programs/integrated-behavioral-health-management-graduate-certificate
HLTHS 462
IBHCertificate@asu.edu
602-496-1354

## Integrated Health Care, MIHC (NHIHCMIHC)

Online Degree Search Title: Integrated Health Care, MIHC
Campus: Downtown Phoenix

## Program Description:

The MIHC program is designed to prepare graduates to develop, implement, evaluate and sustain integrated care programs in health care settings. Integrated behavioral care is the delivery of coordinated, integrated care for medical and behavioral conditions and the lifestyle behavior changes necessary for improved disease prevention and management.

The Master of Integrated Health Care curriculum is designed to provide students a foundation in models of integrated care, evidence-based interventions, and quality and performance management necessary to meet the "triple aim" of health care reform: improved patient experience of care, population health management, and cost-savings.

The degree program is expected to prepare graduates to meet the demand for integrated care programs in the emerging market that includes both the patient-centered, primary care medical home and the accountable care organization. This program is designed to benefit both health care clinicians with management responsibilities and managers or executives in health care settings.

## Degree Requirements:

30 credit hours including the required applied project course (IBC 593).

Required Core ( 21 credit hours)
IBC 520 Integrated Health Care: The Patient-Centered Medical Home (PCMH) (3)
IBC 530 Evidence-based Integrated Health Care (3)
IBC 540 Integrated Health Care Process Improvement (3)
IBC 550 Integrated Care Business Operations (3)
IBC 560 Strategic Business Planning and Big Data (3)
IBC 570 Financial Management (3)
IBC 585 Interprofessional Consultation, Leadership and Teamwork in Integrated Health Care (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
IBC 593 Applied Project (3)

Additional Curricular Information
Students select HCl 500 -level elective courses with approval from the academic unit.

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's degree in social or behavioral sciences, health, business, public health, management or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- personal statement
- official transcripts
curriculum vitae
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/programs/schools/doctor-behavioral-health
HLTHS 462
mihc@asu.edu
602-496-1354

## Medical Nutrition, MS (NHMNTRMS)

Online Degree Search Title: Medical Nutrition, MS
Campus: Online

## Program Description:

This MS program in medical nutrition is designed for current and future health care professionals, including "gap year" students, those who have completed their bachelor's degree but have not yet secured admission to medical, veterinary, dental, osteopathic, Physician Assistant or similar schools, and current medical students, residents, fellows, and practitioners (MD, DO, PA, DVM, DDS, etc.), seeking to develop a strong knowledge base in the nutritional sciences and its application in the health care field.

Students develop competence in nutritional biochemistry and its application in health maintenance, the treatment of disease, and disease prevention. Training in therapeutic diets, nutrition guidelines, and supplement and functional food usage will be integrated into coursework and culminating experiences. Self-directed learning using evidence-based nutrition research and case studies is emphasized, and students develop interpretive expertise and nutritional assessment techniques to use in clinical practice. Proficiency in reading and interpreting nutrition research is a key program goal

## Degree Requirements:

Required Core (9 credit hours)

NTR 502 Statistics in Research (3)

NTR 510 Food and Nutrition Across the Lifespan (3)

NTR 511 Medical Nutrition in the Care and Prevention of Disease (3)

Restricted Electives (12 credit hours)

Other Requirement (3 credit hours)

NTR 500 Research Methods (3)

NTR 593 Applied Project (6)

Additional Curriculum Information

For the approved list of restricted electives, students should see the academic unit. Restricted elective and other requirement coursework may be substituted with the approval of the student's graduate committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- one page personal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from previous instructors or professors.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/medical-nutrition-ms)

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu
ABC1 132
chs@asu.edu
602-496-0869

## Nutrition, MS (ECHNUTMS)

Online Degree Search Title: Nutrition, MS
Campus: Downtown Phoenix

## Program Description:

The MS program in human nutrition is based on the scientific foundations of nutrition, but also prepares students to have strong writing skills, computer literacy, interpretive expertise, problem-solving skills and research experiences. Students who have completed an accredited Didactic Program in Dietetics may also elect to apply to the ASU dietetic internship in order to meet the requirements to become a registered dietitian nutritionist. More information is available at https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion/how-become-registereddietitian (https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion/how-become-registered-dietitian).

The primary objective of the graduate program in nutrition is to provide advanced training in nutrition research. Graduate students are expected to develop competencies in research methods and in advanced practice knowledge relevant to their area of study. The skills and knowledge acquired
during the course of training should enable each student to develop professional competencies that can be applied to significant problems and issues within the field of nutrition and dietetics.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required Applied Project course (NTR 593).

Required Core (6 credit hours)
NTR 500 Research Methods (3)
NTR 501 Research Methods in Nutrition II (3)

Concentration (6 credit hours)

Electives (9 credit hours)

Statistics (3 credit hours)

Culminating Experience ( 6 credit hours)
NTR 593 Applied Project (6) or
NTR 599 Thesis (6)

Additional Curriculum Information
For the concentration, electives, and statistics requirements, students should see the academic unit for the approved course lists. Possible approved courses may include nutrition seminars. Graduate-level nutrition seminars vary by semester, in topics and availability. Current topics include:

NTR 503 Designing Health Behavior Change Interventions (3)
NTR 523 Vegetarian Nutrition (3)
NTR 527 Policies, Environment and Obesity Prevention (3)
NTR 529 Pediatric Nutrition (3)
NTR 532 Endocrine Pathophysiology and Nutrition (3)
NTR 535 Nutrigenomics (3)
NTR 537 Evidenced-Based Nutrition (3)
NTR 555 Nutrition and the Athlete (3)
NTR 598 Special Topics (3)

NTR 598 seminars reflect the changing nature of research and cover different subject areas each semester. Recent seminars include Advanced MNT, epidemiology, eating disorders, and sports nutrition.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree (nutrition or science is recommended) from a regionally accredited institution. Students who are pursuing the Master of Science in nutrition will need to complete the following prerequisites:

- anatomy and physiology
- biochemistry
- general chemistry with lab
- general nutrition for majors
- microbiology
- organic chemistry with lab
- statistics

These courses are part of the ASU Didactic Program in Dietetics required for ASU's BS degree in dietetics and to be eligible to apply for admission into an accredited dietetic internship to become a registered dietitian. If an applicant has completed a DPD program from another university, these prerequisites will be considered complete. Prerequisite courses can be in progress when the student submits the application; however, if the student is accepted into the Master of Science degree program, all prerequisites must be completed before the program begins in the fall semester.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- resume
personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A resume that summarizes the academic, volunteer and employment experiences of the applicant needs to be submitted with the graduate admission application.

A personal statement that includes the following must be submitted with the graduate admission application:

- a description of the applicant's significant professional responsibilities
- the applicant's professional goals and the reasons for the desire to enroll in ASU's program
- the applicant's strengths that will allow the applicant success in the program and in reaching professional goals
- the applicant's personal research interests, described as specifically as possible, including any previous research experience

Three letters of recommendation are required, including at least one from an instructor at the applicant's undergraduate school. Letters of recommendation can be submitted with the graduate admission online application.

There is not a required foreign language examination for this program

No interview is required.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/nutrition-ms
HLTHS 4th fl, Student Services Center
chs@asu.edu
602-496-0869

## Nutrition (Dietetics), MS (ECNTRDMS)

Online Degree Search Title: Nutrition (Dietetics), MS
Campus: Online

## Program Description:

The MS program in nutrition with a dietetics concentration is a nonthesis option for registered dietitian nutritionists seeking to continue their education and advance their skills as practitioners. Designed with working professionals and students' learning preferences in mind, the program is completely online and can be completed either full time or part time. The program is based on the scientific foundations of nutrition and prepares students to have strong writing skills, computer literacy, interpretive expertise and problem-solving skills.

Applicants to the Master of Science degree program in nutrition with a concentration in dietetics must have one year of full-time work experience as a registered dietitian nutritionist; however, applicants will not have to be employed at the time they apply to the program nor will students have to be employed to maintain in good standing with the program.

## Degree Requirements:

30 credit hours including the required applied project course (NTR 593).

Required Core (6 credit hours)
NTR 500 Research Methods (3)
NTR 501 Research Methods in Nutrition II (3)

Concentration (6 credit hours)

Electives (9 credit hours)

Statistics (3 credit hours)

Additional Curriculum Information
For the concentration, electives, and statistics requirements, students should see the academic unit for the approved course lists. Possible approved courses may include nutrition seminars. Graduate-level nutrition seminars vary by semester, in topics and availability. Current topics include:

NTR 503 Designing Health Behavior Change Interventions (3)
NTR 523 Vegetarian Nutrition (3)
NTR 527 Policies, Environment and Obesity Prevention (3)
NTR 529 Pediatric Nutrition (3)
NTR 532 Endocrine Pathophysiology and Nutrition (3)
NTR 535 Nutrigenomics (3)
NTR 537 Evidenced-Based Nutrition (3)
NTR 555 Nutrition and the Athlete (3)
NTR 598 Special Topics (3)

NTR 598 seminars reflect the changing nature of research and cover different subject areas each semester. Recent seminars include global nutrition, public health, functional foods and sports nutrition.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are required to have adequate academic preparation which includes a minimum of a BS or BA degree from a regionally accredited institution, current RD credential, and one year of full-time work experience as an RD.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of Registered Dietitian status
- resume
- personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score.

Applicants should submit proof of registered dietitian status by accessing the Commission on Dietetic Registration's website (https://www.cdrnet.org (https://www.cdrnet.org)) and complete the verification process using the online credential verification search.

A resume is required that summarizes the applicant's academic, volunteer and employment experiences.

Also required is a one- to two-page, typed, double-spaced, personal statement addressing the following: significant professional responsibilities the applicant has held; professional goals and reasons for desiring to enroll in this program; strengths that will help the applicant succeed in this program and in reaching their professional goals; and, personal interests in research, including, if applicable, studies involving the practice of dietetics

Three letters of recommendation are to be submitted with the application, including at least one from an employer or work supervisor.

Because passing the registered dietitian exam and gaining work experience in the field of dietetics are required for successful admission to the MS in human nutrition, dietetics concentration, the nutrition program graduate committee does not require applicants to take or submit scores from the GRE. In lieu of GRE scores, a telephone interview may be conducted.

There is not a required foreign language examination for this program

A personal or phone interview may be required.
program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-nutrition-dietetics?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/nutrition-dietetics-ms
HLTHS 4th fl, Student Services Center
chs@asu.edu
602-496-0869

## Obesity Prevention and Management, MS (NHOBSMS)

Online Degree Search Title: Obesity Prevention and Management, MS
Campus: Downtown Phoenix

## Program Description:

The MS in obesity prevention and management is an innovative degree program that draws on a wide array of expertise at ASU. The curriculum is designed to integrate perspectives from the social, applied, life and health sciences and provides advanced, graduate-level, problem-focused, experiential training that is grounded in evidence and best practices for effective prevention and management of obesity.

This degree program is geared toward postbaccalaureate students and professionals who wish to advance their understanding of the social, cultural, environmental, health and psychological issues associated with obesity. The program emphasizes the complex etiology of obesity and includes courses that will enhance students' ability to work with individuals and populations at risk of obesity to develop effective strategies for prevention and management of the condition across the lifespan.

## Degree Requirements:

30 credit hours including a thesis, or 30 credit hours including an applied project (OBS 593).

Required Core (3 credit hours)
OBS 501 Obesity Prevention and Management: An Introduction (3)

Electives (21 credit hours)

Culminating Experience (6 credit hours)
OBS 593 Applied Project (6) or
OBS 599 Thesis (6)

Additional Curriculum Information
Students choose one three-credit hour elective course from each of the following categories: concepts in behavior change, research methods and statistics.

Additional elective course selections will depend upon the student's chosen track. Students will select six credit hours from prescribed categories for each track and six credits from the following categories: cultural aspects of behavior change, general track, public health approaches for behavior change, and technological approaches for behavior change.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's (or equivalent) or master's degree in social or health science-related fields from a regionally accredited institution. The following entry-level competencies are needed for admission to the program: Students should have completed undergraduate-level courses in statistics and psychology and, ideally, have completed one or more courses in nutrition, physiology and chemistry.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit

- graduate admission application and application fee
- official transcripts
- GRE scores (verbal, quantitative and analytical)
- statement of educational and career goals
- writing sample
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students who have an undergraduate GPA of 3.25 or higher in the last 60 hours of their undergrad program may have the GRE requirement waived with approval of the academic unit.

No foreign language examinations are required for admittance to the program.

Writing sample: A two- to three-page application letter is required in which applicants explain why they want to pursue this degree and why they feel well-prepared to succeed in this graduate program.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/obesity-prevention-and-management-ms
HLTHS 4th fl, Student Services Center
chs@asu.edu
602-496-0869

## Science of Health Care Delivery, MS (NHSHCDMS)

Online Degree Search Title: Science of Health Care Delivery, MS
Campus: Downtown Phoenix, Online

## Program Description:

The MS program in the science of health care delivery focuses on the study and design of systems, processes, leadership and management used to optimize health care delivery and health for all. This degree program is designed for individuals with an interest in a career in the health care industry, providing students with knowledge and competencies to contribute in a patient-centered, safe and cost-effective health care system.

The curriculum is centered on high-value care, leadership and critical thinking, population health, informatics, systems engineering, management, and health economics and policy. Students apply concepts through case studies and team-based projects to facilitate integration of knowledge and competencies. Participating students work in a cohort through the program and are able to complete the degree in nine months (one academic year).

## Degree Requirements:

30 credit hours including the required capstone course (HCD 550).

Required Core (24 credit hours)
BMI 601 Fundamentals of Health Informatics (3)
HCD 501 Biostatistics and Data Management (3)
HCD 502 Health Care Systems and Design (3)
HCD 511 Health Economics, Policy and Payment Models (3)
HCD 520 Population Health (3)
HCD 532 Health Care Management and Finance (3)
HCD 570 Process Engineering (3)
HCD 575 Leadership and Professionalism (3)

Electives (3 credit hours)

Research (2 credit hours)
HCD 592 Research: PART ONE (1)
HCD 592 Research: PART TWO (1)

Culminating Experience (1 credit hour)
HCD 550 Capstone (1)

Additional Curriculum Information
Elective coursework must be 500 level and must be from the HCD course prefix.

## Admission Requirements:

Applicants must fulfill requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as biology, chemistry, biochemistry, nursing, public health, pharmacy, biomedical informatics, social work, premed, prehealth, nutrition, health promotion or others.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 credit hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of reference
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Three letters of reference from either academic or professional sources are required; reference letters from friends or relatives will not be accepted. Letters demonstrating involvement in health care, community service or leadership are encouraged.

A personal statement must be submitted that explains how the applicant plans to contribute to the health care system after the degree is obtained; how the program will help the applicant achieve the applicant's goals; what the applicant's career aspirations are; and what interested the applicant in this degree program.

A phone or video conference interview with the admissions committee may be required.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-science-science-health-care-delivery?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Health Solutions, College of
School for the Science of Health Care Delivery
https://chs.asu.edu/programs/schools/school-science-health-care-delivery
HLTHN 514
shcd@asu.edu
602-496-0092

## Science of Health Care Delivery (Certificate), Certificate (NHHCDGRCT)

Online Degree Search Title: Science of Health Care Delivery (Graduate Certificate)
Campus: Online

## Program Description:

Change in the health care system has accelerated in the past five years and will continue to do so as the health care system transforms itself to one based on value rather than on volume. The certificate program in the science of health care delivery addresses the current and future needs of the workforce in the health care industry, such as C-suite executives and administrators, health care providers (physicians, physician assistants, nurse practitioners and nurses), front line staff (respiratory therapists, occupational therapists, physical therapists and dietitians), and students in the health-related disciplines.

## Degree Requirements:

Required Core (9 credit hours)
HCD 502 Health Care Systems and Design (3)
HCD 511 Health Economics, Policy and Payment Models (3)
HCD 540 Seminar in Science of Health Care Delivery (3)

Track (6 credit hours)

Additional Curriculum Information
Students select one of the following tracks: quality and process improvement, clinical informatics, and leadership.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. The following disciplines are preferred: business or law (health care and business administration, economics, finance or law), engineering (biomedical engineering), general science (biology or physiology), health-related field (nursing, health policy or public health), or math or computer science (statistics or computer science).

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- evidence of work experience
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

More than two years of work experience in a health-related field is preferred.

Applicants must have basic competencies in college-level math, general biology (or physiology) and statistics. Course equivalencies include:

BIO 181 General Biology I
BIO 182 General Biology II
HCD 300 Biostatistics
MAT 117 College Algebra
or other coursework, with approval of the academic unit.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Health Solutions, College of
School for the Science of Health Care Delivery
https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-science-health-care-delivery
HLTHN 514
shcd@asu.edu
602-496-0092

## Speech and Hearing Science, PHD (LAHEARPHD)

Online Degree Search Title: Speech and Hearing Science, PhD
Campus: Tempe

## Program Description:

The interdisciplinary PhD program in speech and hearing science prepares scholars for careers in basic and applied research in academic, industrial or health care environments. Students pursue an individualized program with the unifying theme of human communication and disorders. Courses are taken from a variety of departments tailored to students' specific interests. In addition to a self-designed program of study, concentrations are offered in auditory and language neuroscience and in translational genetics of communication abilities. Students should visit the program website for further details about these options.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
Required Core (2 credit hours)
SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)
SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, 28 credit hours from a previously awarded master's degree are allowed to be used for the degree.

Students complete content area coursework that may include aspects of neuroscience, methodology, speech and hearing science, and other specialty areas. A student completes their plan of study under the guidance of their faculty mentor and program committee. A programmatic research experience prepares the student for basic or applied research leading to the dissertation.

## Admission Requirements:

Applicants must fulfill the requirements of the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics, or a related discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable bachelor's or master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of undergraduate and graduate study
- application cover letter and personal statement
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Professional letters of recommendation must be from three individuals who are familiar with the applicant's academic record and should contain contact information for the recommenders.

The personal statement must be 300 words or fewer and should include the experiences and qualities the student will bring to the program, along with the student's goals for the future.

## Contact Information:

Health Solutions, College of Department of Speech and Hearing Science https://chs.asu.edu/programs/speech-and-hearing-science-phd COOR 2211 shsgrad@asu.edu
480-965-2374

## Speech and Hearing Science (Auditory and Language Neuroscience), PHD (NHSHSALPHD)

Online Degree Search Title: Speech and Hearing Science (Auditory and Language Neuroscience), PhD
Campus: Tempe

## Program Description:

The auditory and language neuroscience concentration within the PhD program in speech and hearing science trains scholars in basic and applied research in the fields of auditory and language neuroscience. Students develop a strong foundation to conduct impactful neuroscience research related to healthy auditory and language abilities as well as the neural bases of communication disorders. The Department of Speech and Hearing Science at ASU is in a unique position to provide this integrated training experience because of its focus on innovative approaches to the field of speech, language and hearing science; the faculty's background includes engineering, neuroscience and psychology, in addition to world-class expertise in speech-language pathology and auditory neural prosthetics.

## Degree Requirements:

Required Core (2 credit hours)
SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)
SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Concentration (12 credit hours)

Research (21 credit hours)
SHS 792 Research (12)
research methods and statistics (9)

Electives or Additional Research (28 credit hours)

Other Requirements (9 credit hours)
SHS 790 Reading and Conference Professional Seminars (9)
preliminary exam (0)
comprehensive exams (0)

Culminating Experience (12 credit hours)
SHS 799 Dissertation (12)

Additional Curriculum Information
The concentration courses focus on issues related to auditory and language neuroscience. These credit hours may be accomplished in regular graduate level (500+) courses or in special topic seminars and independent studies. The student's program committee will guide selection of these courses, which may be focused on a broad base of areas related to auditory and language neuroscience.

Students should see the academic unit for approved concentration courses, professional seminars for SHS 790, research and electives. Other research and electives courses may be used with approval of the academic unit.

The preliminary exam research project will be within the field of auditory or language neuroscience, or both. Each student will give a formal presentation of their prospectus to their program committee. The defense for the preliminary exam research project includes a written document of the research project and an oral defense.

The comprehensive exams entail a written examination and an oral examination. The written exam will take one of the following formats: students write responses to questions posed by each committee member or students complete a written paper for each member of the committee.

For the proposed concentration, at least two of the three questions (or topics for the written papers) posed by the committee members must be focused within the area of auditory or language neuroscience, or both. The comprehensive examination committee will evaluate the written paper and the oral defense during a closed meeting with the student.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics or a related discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of undergraduate and graduate study
- application cover letter and personal statement
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Typically, applicants will have completed a master's or AuD degree or equivalent in speech and hearing science, psychology, linguistics or a related discipline. Applicants with a bachelor's degree in speech and hearing science, psychology, engineering or another related field, strong research interests, and a strong academic record also will be considered.

Students should see the program website for application deadlines.

Professional letters of recommendation must be from three individuals who are familiar with the applicant's academic record and should contain contact information for the recommenders.

## Contact Information:

Health Solutions, College of Department of Speech and Hearing Science
https://chs.asu.edu/programs/phd-speech-hearing-science
COOR 2211
shsgrad@asu.edu
480-965-2374

## Speech and Hearing Science (Translational Genetics of Communication Abilities), PHD (NHSHSTGPHD)

Online Degree Search Title: Speech \& Hearing Science (Translational Genetics of Communication Abilities), PhD

Campus: Tempe

## Program Description:

The translational genetics of communication abilities concentration within the PhD program in speech and hearing science provides doctoral students with training in an innovative approach to the clinical sciences, pioneered here at ASU, where the concepts of precision medicine are applied to all disciplines within communication sciences and disorders. Training in molecular genetics and bioinformatics will equip students to investigate the interactions among genetic, brain-based and behavioral traits.

Knowledge of genotype-phenotype associations provides the foundation for the translational components of this program: early identification and intervention, individualized management and interprofessional approaches. This program leverages not only ASU's strong research and clinical expertise across clinical linguistics but also its expertise in the biosciences and translational clinical sciences. Upon completion of this doctoral concentration, graduates will have the skills to discover and understand networks of genotype-phenotype associations and to contribute to more effective clinical management of communication disorders using preventative, targeted and interprofessional methods. Prior training in genetics is not required.

## Degree Requirements:

Required Core (2 credit hours)
SHS 701 Scientific Writing and Presentation in Communication Sciences and Disorders I (1)
SHS 702 Scientific Writing and Presentation in Communication Sciences and Disorders II (1)

Concentration (12 credit hours)

Research (21 credit hours)
SHS 792 Research (12)
research methods and statistics (9)

Electives or Additional Research (28 credit hours)

Other Requirements (9 credit hours)
SHS 790 Reading and Conference Professional Seminars (9) preliminary exam (0)
comprehensive exams (0)

Culminating Experience (12 credit hours)
SHS 799 Dissertation (12)

Additional Curriculum Information
The concentration courses focus on issues related to translational genetics. These credit hours may be accomplished in regular graduate level (500+) courses or in special topic seminars and independent studies. The student's program committee will guide selection of these courses, which may be focused on a broad base of areas related to translational genetics. All PhD graduates with this concentration are required to have foundational knowledge in genetics.

Students should see the academic unit for approved concentration courses, professional seminars for SHS 790, research and electives. Other research and electives courses may be used with approval of the academic unit.

The preliminary exam research project will be within the field of translational genetics of communication abilities. Each student will give a formal presentation of their prospectus to their program committee. The defense for the preliminary exam research project includes a written document of the research project and an oral defense.

Prior to commencing dissertation research, the student must pass a comprehensive written examination covering their field of study, which will be orally defended.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Health Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field and do not wish to earn a clinical master's degree, or if they have earned a master's degree or equivalent in speech and hearing science, psychology, linguistics or a related discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- application cover letter and personal statement
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must demonstrate a strong interest in translational genetics as indicated in the applicant's written statement of academic and professional goals

Typically, applicants will have completed a master's or AuD degree or equivalent in speech and hearing science, psychology, linguistics or a related discipline. Applicants with a bachelor's degree, strong research interests and a strong academic record also will be considered. Applicants who wish to study the genetics of a certain communication disorder but lack undergraduate or graduate level training in communication disorders will be required to take relevant courses in the Department of Speech and Hearing Science.

Students should see the program website for application deadlines.

Professional letters of recommendation must be from three individuals who are familiar with the applicant's academic record and should contain contact information for the recommenders.

## Contact Information:

Health Solutions, College of
Department of Speech and Hearing Science
https://chs.asu.edu/programs/speech-and-hearing-science-phd
COOR 2211
shsgrad@asu.edu
480-965-2374

## Integrative Sciences and Arts, College of

## Applied Biological Sciences, MS (TSAPBIOSMS)

Online Degree Search Title: Applied Biological Sciences, MS
Campus: Polytechnic

## Program Description:

The MS degree program in applied biological sciences offers advanced instruction in the ecology and sustainable management of natural and urban ecosystems. Rigorous programs of study involving field and laboratory work are custom-designed to apply ecological or biological principles to problems in species or ecosystem conservation. All programs culminate with the completion of an intensive, research-based thesis or applied project.

The program is supported by faculty members with backgrounds in:

- ecological restoration
- environmental microbiology
- environmental stress physiology
- desert horticulture
- plant-fungal ecology
plant systematics
- riparian and stream ecology
- urban micrometerology
- wildlife biology


## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years.
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Applied Biological Sciences (Applied Biological Sciences), BS
Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS
Applied Biological Sciences (Natural Resource Ecology), BS
Applied Biological Sciences (Preveterinary Medicine), BS
Applied Biological Sciences (Secondary Education in Biology), BS
Applied Biological Sciences (Sustainable Horticulture), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (ABS 592 and ABS 593).

Required Core (3 credit hours)
ABS 550 Vegetation Dynamics (3) or
ABS 555 Wildlife Dynamics (3)

Electives or Research (21 credit hours)

Culminating Experience (6 credit hours)
ABS 592 Research (3) and ABS 593 Applied Project (3)
ABS 599 Thesis (6)

Additional Curriculum Information
The electives coursework is chosen to support the student's educational objectives.

Students choose a thesis or applied project option. A final oral examination covering the thesis and related subject matter is required.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores or Miller Analogies Test scores
- resume
- statement of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants are expected to have completed 18 credit hours in biological sciences and closely related courses. Specific fields of study may have specific expectations regarding courses taken at the undergraduate level. Applicants not meeting these course requirements may be considered for admission with deficiencies.

The statement of intent (maximum 600 words) should explain the applicant's interest in environmental resources, academic background and educational objectives.

The letters of recommendation should be from references who are qualified to comment on the applicant's potential in the selected area of study.

Department faculty will evaluate the applications and supporting materials and recommend to Graduate Admission Services that the applicant should be granted admission (either regular or provisional) or denied admission. If admission is provisional, the Graduate College, in its letter of admission, will specify the provisions that need to be met to gain regular status. The school will inform successful applicants of the procedures for enrollment.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/
SANCA 233
cisa@asu.edu
480-727-1526

## Counseling, MC (EDCOUNMC)

Online Degree Search Title: Counseling, MC
Campus: Tempe

## Program Description:

The MC program is accredited by the Council for the Accreditation of Counseling and Related Educational Programs (http://www.cacrep.org/ (http://www.cacrep.org/)) and adheres closely to the 2016 CACREP standards. The mission of the master's degree program is to prepare students to become professional clinical mental health counselors, culturally competent to work with diverse clientele in a variety of mental health settings including colleges and universities, organizational settings, and community behavioral health agencies. Clinical mental health counselors seek to prevent or treat psychological problems and to promote the health of individuals, families, groups and organizations in a diverse society.

The program also instills in students the importance of research in advancing the counseling profession. One manifestation of the crucial link between practice and research is the three complementary functions of the program's state-of-the-art Counselor Training Center: services delivery, clinical training and research

Faculty research foci include (but are not limited to):

- career development
children and adolescents
- counseling process and outcome
- couple and family relationships
- intersections of ethnic and gender identities
- mental health disparities
play therapy
- retention in education
- socioeconomic status and financial stress

The faculty of the Master of Counseling program have endorsed the American Counseling Association's Code of Ethics and Multicultural Counseling Competencies.

## Degree Requirements:

60 credit hours and a thesis, or 60 credit hours and a written comprehensive exam.

Required Core (36 credit hours)
CED 501 Introduction to Research and Evaluation in Counseling (3)
CED 502 Counseling Research Data Analysis (3)
CED 522 Theories of Counseling and Psychotherapy (3)
CED 523 Psychological Tests (3)
CED 527 Prevention and Consultation (3)
CED 529 Lifespan Human Development (3)
CED 534 Occupations and Careers (3)
CED 545 Analysis of the Individual (3)
CED 567 Group Dynamics and Counseling (3)
CED 577 Counseling Prepracticum (3)
CPY 645 Professional Issues and Ethics (3)
CPY 671 Multicultural Counseling (3)

Electives or Research (6-12 credit hours)

Other Requirements (12 credit hours)
CED 680 Practicum: Seminar (3)
CED 680 Practicum: Clinic (3)
CED 684 Internship (6)

Culminating Experience ( $0-6$ credit hours)
CED 599 Thesis (6) or
written comprehensive exam (0)

Additional Curriculum Information
Students choose either a thesis or written comprehensive exam pathway. The thesis option is for students who are focusing their program on research and the written comprehensive exam is for students in the practitioner pathway. Students in the thesis option take six credit hours of elective or research coursework plus six credit hours of thesis. Students in the written comprehensive exam option take 12 credit hours of elective coursework.

CED 680 Practicum Seminar and Clinic and CED 684 Internship comprise the clinical portion of the program. They are required for all students. CED 580 Practicum Clinic and CED 584 Internship may be taken by students needing to log required clinical hours after CED 680 and CED 684 are completed. CED 580 and CED 584 are not required unless additional clinical hours are needed.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two- to three-page personal statement
- at least two and a maximum of three recommendation forms
- verbal and quantitative GRE scores
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The GRE test must be retaken if scores are more than five years old.

Nonacademic/Professional/Life Experiences:
Applicants are required to submit a two- to three-page personal statement that will indicate the applicant's qualifications and reasons for their interest in the program (e.g., professional experiences and personal attributes). Specifically, applicants are asked to provide a reflection on how their education and training as well as their professional experiences inform why they want to pursue the degree and how this program will help them meet their future goals. Applicants are also expected to discuss and elaborate on their ability to work and be sensitive to the needs of a multicultural and diverse society, including members of diverse racial or ethnic groups and individuals of a sexual minority.

Recommendations:
At least two but no more than three recommendation forms are to be submitted. These should be completed by persons able to evaluate the applicant's academic potential, professional experience and personal attributes.

Students should see the program website for application deadlines.

For more information, students should visit the school's website.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/graduate/ccp
EDB 446
ccp@asu.edu
480-965-8733

## Counseling Psychology, PHD (EDCPSYPHD)

Online Degree Search Title: Counseling Psychology, PhD
Campus: Tempe

## Program Description:

This American Psychological Association-accredited PhD program in counseling psychology adheres closely to the scientist-practitioner training model in preparing graduates for employment in academic and service delivery settings. Although faculty interests are diverse, there is a common emphasis on empirical data as the basis for culturally responsive professional practice. The faculty have endorsed the following from the APA: Ethical Principles of Psychologists and Code of Conduct; Guidelines on Multicultural Education, Training, Research, Practice and Organizational Change for Psychologists; and Guidelines for Psychological Practice with Lesbian, Gay and Bisexual Clients.

One manifestation of the program's commitment to the scientist-practitioner model is the three complementary functions of the program's state-of-the-art counselor training center: service delivery, clinical training and research.

Faculty research foci include couple and family relationships, intersections of ethnic and gender identities, counseling process and outcome, mental health disparities, socioeconomic status and financial stress, career development, retention in education, children and adolescents, and play therapy.

## Degree Requirements:

113 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral curriculum typically requires three to four years of full-time graduate study plus a yearlong internship in an American Psychological Association-approved setting. Each of these years involves coursework pertaining to theory, research and practice in counseling psychology. Students are expected to maintain full-time status. Full-time status involves being registered for at least nine credit hours per semester in the coursework years. This requirement applies only to the academic year and not summer sessions. At a minimum, students are required to complete two years of coursework in residence at ASU.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores (which can be no older than five years)
personal statement
- a completed biographical information form
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should be 600 words or less, and it should describe the applicant's history, academic and professional goals and reasons for selecting the counseling psychology program at ASU.

Applicants must submit a seven-page sample of the applicant's expository writing (e.g., taken from a paper prepared for a course or a report on a project the applicant has completed in this field).

The preference is that two of the recommendation letters be from persons familiar with the applicant's academic work.

Applicants should see the program website for application deadlines.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
EDB 446
ccp@asu.edu
480-965-8733

## Integrative Social Science, MS (LSISSMS)

Online Degree Search Title: Integrative Social Science, MS
Campus: Polytechnic

## Program Description:

The MS in integrative social science is an advanced degree program designed to cross-educate students in the social sciences in order to meet the complex issues that confront the human society in the 21st century. The emphasis of the program lies in bridging traditional disciplinary boundaries to immerse students in the myriad theories and skills available across disciplines, which otherwise would elude them with traditional disciplinary social science programs. Thus, graduates of the program are prepared with theory and research skill sets that allow them to draw from the best of the multiple disciplines of the social sciences as they confront a technically sophisticated 21 st-century world.

## Degree Requirements:

Required Core (12 credit hours)
ISS 501 Advanced Integrated Social Research Methods (3)
ISS 502 Advanced Seminar in Integrated Social Science (3)
ISS 504 Advanced Integrated Theories of Social Science (3)
ISS 505 Multivariate Methodologies of Social Science (3)

Electives or Research (12 credit hours)

Other Requirement (3 credit hours)
ISS 584 Internship (3)

Culminating Experience (3-6 credit hours)
ISS 593 Applied Project (3) or
ISS 599 Thesis (6)

Additional Curriculum Information
Students choose either the thesis or applied project option. The internship is only required for students in the applied project option and is a
structured practical experience that follows a contract or plan, which is supervised by faculty and practitioners.

For the elective and research coursework, students choose from a list of preapproved courses for a total of 12 credit hours. Students should contact the academic unit for a list of possible courses. Other courses may be used with approval from the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any social science or interdisciplinary field such as political science, sociology, philosophy, economics, psychology, public policy, administration or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 252
cisa@asu.edu
480-727-1395

## Narrative Studies, MA (LSNRSMA)

Online Degree Search Title: Narrative Studies, MA
Campus: Polytechnic

## Program Description:

The MA in narrative studies is a comprehensive program that explores narrative and storytelling across a range of cultures and historical periods.

With an emphasis on teaching and research, the program includes coursework that encourages students to pursue transdisciplinary inquiry. The degree program primes graduates for critical and eloquent engagement with the world beyond the university.

Equally suited to prepare candidates for further academic studies or to advance the careers of area educators in the language arts, this program also prepares graduates to begin careers in one of the many professions that value creativity, critical thinking and highly skilled communication, including teaching, writing, online publishing and editing.

## Degree Requirements:

Required Core (9 credit hours)

ENG 503 History of Narrative (3)

ENG 505 Narrative Research Methods (3)

ENG 509 Studies in Narrative Writing (3)

ENG 597 Graduate Capstone Seminar (3)

## Additional Curriculum Information

Students choose six courses from a restricted list for a total of 18 credit hours. Students should see the academic unit for the approved course list. Other courses (ENG,COM, FMS, HST, or appropriate field) may be utilized for up to six credit hours with approval from the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university in a related field such as English or any humanities discipline.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- written letter of intent that includes a detailed statement of purpose
- portfolio of at least three documents
- three letters of recommendation
proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The portfolio must include at least three documents that demonstrate the applicant's ability to write in a variety of genres. Portfolio documents can include both academic and professional writing for a range of audiences and purposes. At least one of the documents must be a sample of academic writing. One of the three documents can be a sample of creative writing. The portfolio should be 15 to 30 total pages in length. The writing samples in the portfolio will be evaluated using a rubric that considers several criteria, including intellectual focus, strength of argument and documentation, awareness of audience, organization, clarity, mechanical soundness and overall effectiveness.

The letters of recommendation should be either academic or professional and speak to the background and capabilities of the applicant.

## Contact Information:

Integrative Sciences and Arts, College of College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

## Technical Communication, MS (LSTCCMMS)

Online Degree Search Title: Technical Communication, MS
Campus: Polytechnic, Online

## Program Description:

The MS degree program in technical communication teaches students how to design, produce and manage print and digital texts using traditional and developing technologies. The curriculum provides students with a comprehensive understanding of the professional, cultural and ethical issues that shape the field; it balances theory and practice to ensure students develop the analytical abilities, technology expertise and hands-on skills necessary for success as a technical communicator.

Students who complete the program will be accomplished writers, editors, designers and researchers who are able to respond effectively to a range of audiences, issues and communication situations. The program will prepare students for technical communication positions in the private, public and nonprofit sectors and will offer professionals the opportunity to further advance their careers.

## Degree Requirements:

36 credit hours including a thesis, or 36 credit hours including the required applied project course (TWC 593), or 36 credit hours including the required capstone course (TWC 596).

Required Core ( 6 credit hours)
TWC 504 Applied Rhetoric and Technical Communication (3)
TWC 505 Research in Technical and Applied Communication (3)

Restricted Electives (24 or 27 credit hours)

Culminating Experience (3 or 6 credit hours)
TWC 593 Applied Project (6) or
TWC 596 Technical Communication Capstone (3)
TWC 599 Thesis (6)

Additional Curriculum Information
Students who do not have previous technical communication coursework or relevant industry experience must take TWC 501 Fundamentals of Technical Communication (3) as a restricted elective. For a full list of the approved electives courses, students should inquire with the academic unit.

Students complete an applied project, capstone course or thesis for the culminating experience. Students who choose the capstone will complete an additional three credit hours of elective coursework for a total of 27 elective credit hours.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
portfolio
three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Since this degree requires a high degree of proficiency in English, an applicant whose native language is not English will be expected to have one the following TOEFL scores: 600 traditional paper-based, 100 Internet-based, or 250 computer-based

All applicants must submit a written letter of application that includes a detailed statement of purpose as well as a portfolio of at least three documents that demonstrate the applicant's ability to write in a variety of genres. Portfolio documents can include both academic and professional writing for a range of audiences and purposes and need not be in the area of technical communication. The portfolio should be 15 to 30 pages in length. The writing samples in the portfolio will be evaluated using a rubric that considers several criteria, including a demonstration of the ability to focus on a specific purpose and to meet audience needs and show organization, clarity, mechanical soundness and overall effectiveness.

All applicants must submit three letters of reference, either academic or professional, that speak to the background and capabilities of the applicant.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-technical-communication?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/tech-comm
SANCA 251K
TechCom@asu.edu
480-727-5981

## Technical Communication (certificate), Certificate (LSTECGRCT)

Online Degree Search Title: Technical Communication (Graduate Certificate)
Campus: Polytechnic, Online

## Program Description:

Through the technical communication program, students learn how to produce and communicate technical information using traditional and digital technologies.

## Degree Requirements:

18 credit hours.

Core Requirement (9 credit hours)
TWC 501 Fundamentals of Technical Communication (3)
Choose two of the following courses:
TWC 511 Principles of Visual Communication (3)
TWC 521 Principles of Web Authoring (3)
TWC 531 Principles of Technical Editing (3)
Electives (9 credit hours)

Additional Curriculum Information
Students choose any 500 -level TWC courses as their electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Integrative Sciences and Arts.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.
Disclosure information for U.S. Department of Education Gainful Employment Program is available at https://catalog.asu.edu/files/disclosures/LSTECGRCT/Gedt.html (https://catalog.asu.edu/files/disclosures/LSTECGRCT/Gedt.html).

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/technical-communication-grad-certificate)

## Contact Information:

Integrative Sciences and Arts, College of College of Integrative Sciences and Arts https://cisa.asu.edu/tech-comm/grad
SANCA 251K
TechCom@asu.edu
480-727-598

## Interdisciplinary Arts \& Sciences, New College of

## Communication Studies, MA (ASCOMSTMA)

Online Degree Search Title: Communication Studies, MA
Campus: West

## Program Description:

The MA in communication studies is a cutting-edge degree program designed for students who wish to pursue a wide range of communication professions.

The program provides exposure to a variety of research methods, communication theories and practical applications, with a special emphasis on advocacy. Students use multiple perspectives to explore a variety of topics and issues in communication. These include how individuals and collectives participate effectively in personal relationships, organizational settings, and public dialogues across cultural contexts, and the impact and effects of media, mediated representations and new technologies. They also learn to use communication practices to advocate for others.

Although advocacy is a defining theme in the curriculum, students can tailor the program to their personal goals, focusing on topics such as interpersonal, organizational, sport, environmental, global or technology-mediated communication

Graduates are prepared to pursue doctoral work or careers in communication-driven fields such as public affairs, public relations, employee development, community relations and grassroots movements

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
American Studies, BA
Applied Science, BAS
Biology, BA
Communication, BA
Communication, BS
Environmental Science, BA
Ethnicity, Race and First Nations Studies, BA
History, BA
Interdisciplinary Arts and Performance, BA
Interdisciplinary Arts and Sciences, BA
Latin American Studies, BA
Philosophy, Religion and Society, BA
Political Science, BS
Political Science, BA
Psychology, BA
Psychology, BS
Social and Behavioral Sciences, BA
Social and Behavioral Sciences, BS
Sociology, BS
Sociology, BA
Women and Gender Studies, BS
Women and Gender Studies, BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

36 credit hours and a written comprehensive exam, or 36 credit hours including an applied project (CMN 593) and a written comprehensive exam,
or 36 credit hours, a written comprehensive exam and a thesis.

Required Core (9 credit hours)
CMN 502 Theory and Practice in Communication and Persuasion (3) or CMN 522 Argumentation and Advocacy (3)
CMN 505 Methods in Applied Communication Research (3)
CMN 506 Humanistic Inquiry and Field Research in Communication (3)

Electives (up to 21 credit hours)

Culminating Experience Options ( $0-6$ credit hours)
CMN 599 Thesis, with written comprehensive exam ( 6 credit hours)
CMN 593 Applied Project, with written comprehensive exam (3 credit hours)
written comprehensive examination (0 credit hours)

Additional Curriculum Information
Electives are selected in consultation with the student's program advisor. When appropriate, students may take up to six credit hours outside the program.

The thesis or applied project must demonstrate intellectual ability, academic ability and professional growth. The thesis is supervised and approved by the student's advisor and committee. An oral defense is required for the thesis. The applied project is supervised by the student's advisor. The achievements or results of the applied project should be made available to the public in the form of a presentation, poster, report or other form negotiated with the faculty advisor.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
-three letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae (optional)
- GRE scores (if applicable)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well; if faculty members are not available, then the applicant may submit letters of recommendation from individuals in supervisory or professional roles.

If the applicant does not meet the minimum GPA requirements, the application may be considered if accompanied by an official GRE score.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/communication-studies-ma-degree
FAB N100
ncgradadvising@asu.edu
602-543-3000
English, MA (ASENGLMA)
Online Degree Search Title: English, MA

## Campus: West

## Program Description:

The MA degree in English offered by the New College of Interdisciplinary Arts and Sciences is a comprehensive program that delves into the many facets of English: its literatures; its linguistic, social and cultural histories; and its capacities for persuasion, exposition and elucidation.

The program allows students to explore specific subject areas while working across a range of subdisciplines within English such as literary studies, rhetorical studies, composition and linguistics.

With an emphasis on teaching and research, the program includes electives to encourage students to pursue interdisciplinary inquiry and the culminating experience primes graduates for critical and eloquent engagement with the world beyond the university.

Equally suited to prepare candidates for doctoral study or to advance the careers of area educators in the language arts, the degree also prepares graduates to begin careers in one of the many professions that value creativity, critical thinking, and highly skilled communication.

## Degree Requirements:

30 credit hours including the required capstone course (ENG 597).

Required Core Courses (6 credit hours)
ENG 502 Contemporary Critical Theories (3) or MAS 505 Theories of Change, Culture and Mind (3)
ENG 582 Pedagogy (3)

Elective or Research Courses (12 credit hours)
ENG 500 Research Methods (3)
ENG or LIN courses (9)

Open Elective or Research Courses (9 credit hours)

Culminating Experience (3 credit hours)
ENG 597 Graduate Capstone Seminar (3)

Additional Curriculum Information
For electives or research, students should see the academic unit for the approved course list from ENG and LIN courses through New College. ENG 500 is a required research course for all students and must be included in the plan of study.

For the open elective or research courses, nine credit hours can be selected from ENG or non-ENG coursework offered by various academic units. The selection of coursework will be in consultation with the student's committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program; or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- three letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae (optional)
- GRE scores (if applicable)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well (if not available, then from individuals in supervisory or professional roles).

If the applicant does not meet the minimum GPA requirements, the application may be considered if accompanied by an official GRE score.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/english-ma
FABN100
ncgradadvising@asu.edu
602-543-3000

## Forensic Psychology, MS (ASFPSYMS)

Online Degree Search Title: Forensic Psychology, MS
Campus: Online

## Program Description:

The MS program in forensic psychology provides working professionals with an understanding of mental health issues and human behavior with respect to crime and the criminal justice and legal systems.

The curriculum involves specialized coursework in criminal law, criminal behavior, the diagnosis and treatment of mental disorders, and legal decision-making. Through these courses, students learn about the various roles for psychologists in the legal system and help them discover which roles they might like to pursue through careers in mental health, criminal justice or through additional graduate training. Graduates will not be license-eligible for clinical practice but will be well-prepared to enter advanced degree and continuing education programs in counseling and related fields.

## Degree Requirements:

33 credit hours including the required capstone course PSY 549.

Required Core (12 credit hours)
PSY 545 Advanced Legal Psychology (3)
PSY 546 Advanced Forensic Psychology (3)
PSY 547 Advanced Correctional Psychology (3)
PSY 573 Psychopathology (3)

Electives (6 credit hours)

Statistics and Methods (6 credit hours)
PSY 500 Research Methods (3)
PSY 515 Quantitative Analysis I (3)

Criminal Justice System Courses (6 credit hours)
CRJ 501 Seminar in Criminal Justice (3)
CRJ 513 Seminar in Courts and Sentencing (3)

Culminating Experience (3 credit hours)
PSY 549 Capstone in Forensic Psychology (3)

Additional Curriculum Information
Other courses for thestatistics and methods and criminal justice system courseworkmay be used with approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology, criminal justice, social science, or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are recommended, but not required for all applicants. Applicants with below a 3.30 GPA in the last 60 hours of the bachelor's degree are strongly encouraged to provide GRE scores.

Applicants should demonstrate evidence of a completed psychology, social science or criminology statistics course.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/forensic-psychology-ms
FAB N100
NCGradOnline@asu.edu
602-543-3000
Interdisciplinary Studies, MA (ASINTERMA)
Online Degree Search Title: Interdisciplinary Studies, MA
Campus: West

## Program Description:

The MA degree in interdisciplinary studies offered by the New College of Interdisciplinary Arts and Sciences is an innovative program that allows students to combine the study of two or more disciplines.

Founded on the conviction that solving problems in the 21st century often requires an interdisciplinary approach, this flexible program provides exposure to a variety of research methods, historical perspectives and modes of inquiry.

The program offers access to faculty members who are active practitioners of interdisciplinary inquiry. Working with the faculty, students may define their own area of emphasis or adopt an existing area within the humanities and social sciences.

The skills and knowledge that students acquire can be directed toward doctoral study or professional goals in any enterprise that engages in research or education, ranging from advertising and marketing, nonprofit leadership, and media production to museum curatorship, community college teaching, and leading-edge entrepreneurship

## Accelerated Degrees

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years.
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:

```
American Studies, BA
Applied Science, BAS
Communication, BS
Communication, BA
English, BA
Ethnicity, Race and First Nations Studies, BA
History, BA
Interdisciplinary Arts and Performance, BA
Interdisciplinary Arts and Sciences, BA
Philosophy, Religion and Society, BA
Political Science, BA
Political Science, BS
Psychology, BS
Psychology, BA
Social and Behavioral Sciences, BS
```

Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required capstone course (MAS 585).

Required Core ( 9 credit hours)
MAS 501 Methods for Interdisciplinary Inquiry (3)
MAS 502 Perspectives in Interdisciplinary Studies (3)
MAS 505 Theories of Change, Culture, and Mind (3)

Focus Area (15-18 credit hours)

Electives ( $0-3$ credit hours)

Culminating Experience ( 3 credit hours)
MAS 585 Capstone Course (3)

## Additional Curriculum Information

The core courses are designed as a sequence and are meant to guide students through the program, from learning about interdisciplinarity to practicing interdisciplinary research. Therefore, students are required to take each of the core courses at the first time that they are available while the student is enrolled in the program.

For the focus area coursework, students work with a faculty mentor to select 15 to 18 credit hours of graduate-level coursework that reflect a particular area of specialty or interest.

Students can select three credit hours of a graduate-level elective in order to reach the required 30 credit hours for the degree program.

Students should see the academic unit for a complete list of approved focus area coursework and electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- resume or curriculum vitae (optional)
- GRE scores (if applicable)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well (if not available, then from individuals in supervisory or professional roles).

If the applicant does not meet the minimum GPA requirements, the application may be considered if accompanied by an official GRE score.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/interdisciplinary-studies-ma
FAB N100
ncgradadvising@asu.edu
602-543-3000

## Law and Psychology, PHD (ASLPSYPHD)

Online Degree Search Title: Law and Psychology, PhD
Campus: Downtown Phoenix, West

## Program Description:

The PhD program in law and psychology is designed to train a new generation of scholars in the field by taking a broad interdisciplinary approach that combines rigorous training in the law and psychology field with training in advanced research methodology and statistics, criminological theory, and contextual training in other subfields of psychology. The goal of the program is for students to use this knowledge to tackle the many important but understudied areas where the legal system is in desperate need of empirical, psychological research.

## Degree Requirements:

Required Core (18 credit hours)
PSY 515 Quantitative Analysis I (3)
PSY 516 Quantitative Analysis II (3)
PSY 532 Analysis of Multivariate Data (3)
PSY 545 Advanced Legal Psychology (3)
PSY 546 Advanced Forensic Psychology (3)
PSY 550 Advanced Social Psychology (3)

Electives (39 credit hours)

Required Research (15 credit hours)
PSY 600 Research Methods (3)
PSY 792 Research (12)

Culminating Experience (12 credit hours)
PSY 799 Dissertation (12)

Additional Curriculum Information
Students are required to take 15 credit hours of research coursework and 39 credit hours of elective coursework.

When approved by the student's supervisory committee and Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology, criminal justice, social science, or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
http://lawpsych.asu.edu
FAB N100
ncgradadvising@asu.edu
602-543-3000

## Psychology, MS (ASPGSMS)

Online Degree Search Title: Psychology, MS
Campus: West, Online

## Program Description:

The MS degree in psychology offered by the New College of Interdisciplinary Arts and Sciences has two main program options. One is an intensive, research-oriented program culminating in a thesis or applied project. Students receive training in advanced research methodology and statistical analysis, grant proposal writing, laboratory instrumentation, data collection and manuscript development. Students gain first-hand exposure to designing and conducting research, analyzing data and developing presentations and manuscripts. Students are encouraged to present research reports at professional meetings and conferences and to publish as co-authors in faculty-guided research. This option is ideal for students who plan to pursue doctoral work or careers that involve psychological research methods such as marketing research, education research analysis, public policy analysis, research project management or program evaluation.

The program option offered online is designed to give students and working professionals an understanding of psychological theory and empirical research findings as they relate to human behavior, cognition, emotion, and attitudes. The coursework is designed to help students learn about the various roles of psychologists in society today and discover which they might like to pursue through careers in education, social service, for-profit and nonprofit organizations, management, or through additional graduate training.

Elective courses in all options are offered in several areas, including abnormal psychology, affective science, behavior analysis, cognitive psychology, developmental psychology, health psychology, legal psychology, psychophysiology and social psychology.

## Degree Requirements:

33 credit hours and written comprehensive exam, or 33 credit hours including the required applied project course (PSY 593) and a written comprehensive exam, or 33 credit hours, a written comprehensive exam and a thesis.

Required Core (6 credit hours)
PSY 502 Professional Issues in Psychology (3)
PSY 515 Quantitative Analysis I (3)

IN-PERSON DELIVERY OPTIONS:
Research (9 credit hours)
PSY 500 Research Methods (3)
PSY 592 Research (6)

THESIS OPTION
Other Requirement (6 credit hours)
PSY 516 Quantitative Analysis II (3)
PSY 517 Quantitative Analysis III (3)

Electives (9 credit hours)

Culminating Experience (6 credit hours)
PSY 599 Thesis (6)

## APPLIED PROJECT OPTION

Other Requirement (3 credit hours)
PSY 516 Quantitative Analysis II (3)

Electives (12 credit hours)

Culminating Experience (6 credit hours)
PSY 593 Applied Project (6)

ONLINE DELIVERY OPTION:
Research (3 credit hours)
PSY 500 Research Methods (3)

Electives (24 credit hours)

Culminating Experience (3 credit hours)
PSY 553 Capstone in General Psychology (3)

Additional Curriculum Information
Students choose one of three program options culminating in a thesis, applied project or capstone course. The capstone course option is only for students on the online campus. Thesis and applied project options are for the ground campus only.

Students completing a thesis or applied project must complete PSY 516 Quantitative Analysis II. In addition, thesis students will take PSY 517 Quantitative Analysis III and only nine credit hours of electives.

Students completing the capstone course (PSY 553) must take 24 credit hours of elective coursework and will not complete Quantitative Analysis II (PSY 516) nor any PSY 592 coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in applicable master's degree program. Priority is given to applicants who have achieved a 3.25 GPA or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- GRE scores (combined minimum verbal and quantitative score of 300)
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that the letters of recommendation are from faculty members who know the applicant's work well; if these are not available, then recommendations should be from individuals in supervisory or professional roles. Three letters of recommendation are required for applications to the ground option and two letters of recommendation are required for applicants to the online option.

Applicants for the applied project or thesis program option are required to submit a GRE score. Priority is given to applicants who have achieved a 305 or higher on the GRE. Submission of GRE scores may be waived for applicants to the online option.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-psychology)

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/masters-in-psychology
FAB N100
ncgradadvising@asu.edu
602-543-3000

## Social Justice and Human Rights, MA (ASJHRMA)

Online Degree Search Title: Social Justice and Human Rights, MA
Campus: West

## Program Description:

The MA degree program in social justice and human rights addresses urgent social issues related to human security, labor, migration, children family, education and the environment.

The coursework in this theoretically and methodologically rigorous program examines social issues in contexts defined by multiple and intersecting forms of social identity and disadvantage, including gender, race, ethnicity, class, sexuality and nationality.

The program requires an internship to be completed domestically or internationally, where students typically work alongside other advocates for social justice to help refugees, migrants, workers, and survivors of violence or human trafficking.

Students may select from three degree tracks: research, advocacy, or critical trauma studies and social work. The research track prepares students for positions as researchers, analysts and advocates in governmental, intergovernmental and nongovernmental agencies. The advocacy track prepares students to be leaders in nonprofit, social movement, governmental and intergovernmental organizations. The critical trauma studies and social work track prepares students to assist vulnerable people, especially survivors of extreme violence, poverty, war, sex trafficking, human trafficking, gender-based violence, and various forms of marginalization.

Graduates are also prepared to enter PhD programs.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
American Studies, BA
Applied Science, BAS
Biology, BA
Communication, BS
Communication, BA
English, BA
Environmental Science, BA
Ethnicity, Race and First Nations Studies, BA
History, BA
Interdisciplinary Arts and Performance, BA
Interdisciplinary Arts and Sciences, BA
Latin American Studies, BA
Philosophy, Religion and Society, BA
Political Science, BA
Political Science, BS
Psychology, BA
Psychology, BS
Social and Behavioral Sciences, BS
Social and Behavioral Sciences, BA
Sociology, BA
Sociology, BS
Women and Gender Studies, BA
Women and Gender Studies, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

33 credit hours and a thesis, or 33 credit hours including the required applied project course (JHR 593)

Required Core (15 credit hours)
JHR 501 Proseminar in Social Justice and Human Rights (3)
JHR 506 Grant Writing and Development for Social Justice and Human Rights (3)
JHR 510 Problem-Based Seminar in Social Justice and Human Rights (3)
JHR 525 Action Research in Social Justice and Human Rights (3)
JHR 584 Internship (3)

Track (9 credit hours)

Electives (0-3 credit hours)

Research (3 credit hours)
JHR 500 Research (3)

Culminating Experience (3-6 credit hours)
JHR 593 Applied Project (3) or
JHR 599 Thesis (6)

Additional Curriculum Information
This program has three tracks: social justice and human rights research, social justice and human rights advocacy, and critical trauma studies and social work. Students select one of the three tracks and select courses for the track and electives requirements in consultation with faculty.

Students completing an applied project for their culminating experience will select an additional electives course for three credit hours to meet the program's 33 credit hour requirement.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in applicable master's degree program.

All applicants must submit:

- graduate application application and application fee
- official transcripts
- statement of purpose
- two letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- GRE scores
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

It is preferred that letters of recommendation be from faculty members who know the applicant's work well; if these are not available, letters of recommendation from individuals in supervisory or professional roles will be accepted. If letters of recommendation from two faculty members are not available, then it is strongly preferred that at least one letter be from a faculty member.

If the applicant does not meet the minimum GPA requirements, the application may still be considered.

Applicants should see the program website for application deadlines.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/social-justice-and-human-rights-ma
FAB N100
ncgradadvising@asu.edu
602-543-3000
Social Technologies, MA (ASSTCMA)
Online Degree Search Title: Social Technologies, MA
Campus: West

## Program Description:

ASU's West campus offers a MA in social technologies for those interested in understanding, managing and researching social media and other technologies that affect social and organizational change. The program engages the theory of social technologies through its application, and it prepares graduates to be leaders in the field of social media, work with the social and human dimensions of emerging technologies, consult on broader uses of technology by for-profit, non-profit, and governmental organizations, or continue on to doctoral work.

The social technologies program provides a grounding in social, behavioral, cultural and design approaches to understanding social media, surveillance, political participation, technology policy, digital gaming, mobile computing, wearable technologies, the Internet of Things and a range of human-machine interfaces.

The flexible curriculum consists of three required courses in the theory, research, and application of social technologies as well as a range of inperson and online elective courses from across the university, and it culminates in a six credit hour capstone project.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biology, BA
Environmental Science, BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

33 credit hours including the required applied project (STC 593).

Required Core ( 6 credit hours)
STC 505 Theories of Social Technology (3)
STC 510 Applied Social Technology (3)

Electives and Research Courses (21 credit hours)

Culminating Experience ( 6 credit hours)
STC 593 Applied Project (6)

Additional Curriculum Information
Students are required to take 21 credit hours of electives and research coursework, including at least one research methods course from CMN 505, CMN 506, JHR 500 or MAS 501 for three credit hours. Students should see the academic unit for a complete list of approved electives and research courses

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the New College of Interdisciplinary Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
-three letters of recommendation
- an academic writing sample (preferred) or professional writing sample
- GRE scores (if applicable)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of purpose should describe the educational background, scholarly interests, and academic and professional goals of the applicant.

If the applicant does not meet the minimum GPA requirements, the application may be considered if accompanied by an official GRE score.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/social-technologies-ma
FAB N100
ncgradadvising@asu.edu
602-543-3000

## Journalism \& Mass Communication, Walter Cronkite School of

## Business Journalism, MS (CSBSJMS)

Online Degree Search Title: Business Journalism, MS
Campus: Online

## Program Description:

The MS degree in business journalism includes journalism and business coursework offered by the Walter Cronkite School of Journalism and Mass Communication and the W. P. Carey School of Business. The program is designed to give journalists and communications professionals around the world a competitive edge in the globally expanding job market in business journalism and related fields. The program may be completed in as little as one-and-a-half years.

## Degree Requirements:

30 credit hours including the required applied project (MCO 593).

Required Core (27 credit hours)
ACC 501 Basics of Financial Performance Reporting and Analysis (1.5)
ACC 504 Basics of Internal Measures of Success: Managerial Accounting (1.5)
ECN 504 Basics of Decisions, Market Structure and Games: Managerial Economics (3)
MCO 503 Media Law (3)
MCO 550 Issues in Coverage of Business and the Economy (3)
MCO 551 Better Business Reporting (3)
MCO 552 Data in Business Journalism (3)
MCO 556 Media Entrepreneurship (3)
MGT 501 Basics of Leading People, Teams and Organizations: Organization Theory (3)
WPC 504 Basics of Understanding Facts: Statistics for Managers (3)

Culminating Experience (3 credit hours)
MCO 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in journalism, mass communication, public relations, business or a closely related field from a regionally accredited institution, and have some professional communications experience.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. A TOEFL score of at least 100 on the Internet-based test is required. Applicants can have these scores automatically submitted to ASU and the Cronkite School by using institution code 4007.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/business-journalism-ms)

## Contact Information:

Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm
https://asuonline.asu.edu/online-degree-programs/graduate/master-science-business-journalism
CRONK 302
cronkitegrad@asu.edu
602-496-5555

## Business Journalism (Certificate), Certificate (CSBSJGRCT)

Online Degree Search Title: Business Journalism (Graduate Certificate)
Campus: Online

## Program Description:

The graduate certificate program in business journalism is designed to give professional journalists a competitive edge in the globally expanding job market for business journalists. The program is offered through the Cronkite School's Donald W. Reynolds National Center for Business Journalism and is taught by top faculty at the Walter Cronkite School of Journalism and Mass Communication. The certificate can be completed in one year, and a portion of the graduate coursework may be applied to the Cronkite School's master's degree in mass communication.

## Degree Requirements:

15 credit hours.

Required Core (15 credit hours)

Culminating Experience: None required.

Additional Curriculum Information
Students should see the academic unit for the approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in journalism, mass communication or a related field from a regionally accredited institution, or if they have earned a bachelor's degree, in any field, and have professional journalism experience.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 semester hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a resume or biographical sketch
- a 350- to-500-word personal statement that serves as a writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score of at least 100 on the Internet-based test (iBT). Students can have these scores automatically submitted to ASU and the Cronkite School by using institution code 4007. Students should note the policies and procedures at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

Applicants should have official transcripts of all college-level work sent to Graduate Admission Services.

The Cronkite School's graduate committee will review complete applications on a rolling basis and submit its admission recommendations to Graduate Admission Services for final approval.

There are no required admission examinations.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm
https://cronkite.asu.edu/
CRONK 306E
cronkiteinfo@asu.edu
602-496-5555

## Digital Audience Strategy, MS (CSDASMS)

Online Degree Search Title: Digital Audience Strategy, MS
Campus: Online

## Program Description:

The MS program in digital audience strategy prepares students to design and execute large-scale digital audience strategy through a data-driven, multidisciplinary, hands-on curriculum.

Students learn to measure and analyze how consumers interact with content online, on social media and on mobile devices. Using those measurement skills, students develop strategies and tactics to grow audiences through search engine optimization, search engine marketing, paid and organic social media campaigns, and digital content creation. They work with real-world clients to develop, test and execute audience growth strategies in real time.

Through required coursework in ethics, media law and entrepreneurship, students learn to make ethical business decisions regarding consumer privacy, digital data security and community engagement. Through elective courses, students develop additional expertise in areas such as management and intellectual property. Students graduate from the program ready to drive innovation and business development in the digital age.

## Degree Requirements:

Required Core (21 credit hours)

MCO 503 Media Law (3)

MCO 556 Media Entrepreneurship (3)

MCO 561 Defining the Digital Audience (3)

MCO 562 Search Engine Strategy for Digital Audience Acquisition (3)

MCO 563 Social Media Campaigns and Engagement (3)

MCO 564 Digital Audience Research and Behavior (3)

MCO 565 Digital Audience Analytics (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)

MCO 566 Digital Audience Management (3)

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in journalism, communications, public relations or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores must be at least 100 for the Internet-based TOEFL iBT.

In 350 to 500 words, the letter of intent should describe the applicant's interest in the Master of Science program in digital audience strategy, explain how previous academic or professional experience will inform the applicant's work in the program and how the program will help achieve personal or career goals of the applicant.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/digital-audience-strategy-ms)

## Contact Information:

Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm
https://cronkite.asu.edu/degree-programs/admissions/graduate-programs
CRONK 302
cronkitegrad@asu.edu
602-496-5055

## Digital Audiences (certificate), Certificate (CSDASGRCT)

Online Degree Search Title: Digital Audiences (Graduate Certificate)
Campus: Online

## Program Description:

The graduate certificate in digital audiences prepares students to execute digital audience strategy in any industry. Students learn to measure and analyze how consumers interact with content online, on social media and on mobile devices. Using those measurement skills, students develop strategies and tactics to grow audiences through search engine optimization, search engine marketing, paid and organic social media campaigns, and digital content creation. This program is designed for professionals who want to develop new skills, take on new responsibilities, or more effectively promote their work.

Degree Requirements:

MCO 561 Defining the Digital Audience (3)

MCO 562 Search Engine Strategy for Digital Audience Acquisition (3)

MCO 563 Social Media Campaigns and Engagement (3)

MCO 564 Digital Audience Research and Behavior (3)

MCO 565 Digital Audience Analytics (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in communications, political science, business or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores must be at least 100 for the Internet-based TOEFL (iBT).

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/digital-audience-strategy-graduate-certificate)

Change of Major Requirements: .-
Contact Information:
Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm
https://cronkite.asu.edu/degree-programs/admissions/graduate-programs
CRONK 302
cronkitegrad@asu.edu
602-496-5055

## Journalism and Mass Communication, PHD (CSJMCPHD)

Online Degree Search Title: Journalism and Mass Communication, PhD
Campus: Downtown Phoenix

## Program Description:

This PhD program in journalism and mass communication is designed to be small, student-centered and scholarly research-oriented. It is based on the following priorities:

[^3]communication philosophy, theory and methods. The program prepares students for research-oriented careers in journalism and mass communication education and related fields.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (18 credit hours)

Electives (18 credit hours)

Other Requirements ( 24 credit hours)
previous master's degree or additional hours approved by the supervisory committee (24)

Research (12 credit hours)

Dissertation (12 credit hours)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

Students entering the program with a master's degree in journalism or mass communication, or a related field, must complete 60 credit hours of coursework. Students who are admitted to the program without a master's degree will be required to complete an additional 24 credit hours of coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- test scores on the quantitative and verbal sections of the GRE, with the verbal score being particularly important to the Cronkite School's graduate committee
- three letters of recommendation
- personal statement of interest ( 350 to 500 words in length)
- resume
- samples of scholarly work
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores must be at least 600 for the paper-based examination and 100 for the Internet-based.

Students should see the program website for application deadlines and admission terms. Applicants must meet all deadlines and application requirements to be considered.

The Cronkite School's doctoral committee reviews complete and on-time applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

## Contact Information:

Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm https://cronkite.asu.edu/phd
CRONK 302
cronkitegrad@asu.edu
602-496-5555

## Mass Communication, MMC (CSMCOMMMC)

Online Degree Search Title: Master of Mass Communication, MMC
Campus: Downtown Phoenix

## Program Description:

The Walter Cronkite School of Journalism and Mass Communication's 12-month MMC degree program uses the teaching hospital method to immerse students in the practice of journalism and prepare them for careers in today's rapidly evolving media industry.

This 36-credit hour program begins with a multimedia "boot camp" in which students learn to report and produce content for digital and broadcast platforms. From there, students dive deeper into advanced courses in broadcast production, investigative reporting, online media, business reporting, Spanish-language news, transborder coverage or digital media entrepreneurship. Students learn how to navigate a dramatically different 21 st-century media environment through classes and a symposium specifically focused on the future of journalism. The program culminates in a professional immersion experience in one of the Cronkite School's news bureaus in Los Angeles, Phoenix or Washington, D.C. Working under the guidance of award-winning journalists, these capstone programs offer real-world experience in a professional news environment.

The Cronkite School is housed in a world-class facility in the heart of downtown Phoenix, the nation's fifth largest city and 12th largest media market. The school is also home to Arizona PBS. Student journalists can walk to the state's largest newspaper, to the NBC and Fox television affiliates, and they are in walking distance to cover major events at city hall, at county, state and federal agencies and at major sporting and cultural venues.

The cornerstone of the graduate program is the journalism school's professional programs:

- Cronkite News Phoenix: Students produce a daily newscast on Arizona PBS (reaching 1.9 million households) and digital content for cronkitenews.azpbs.org (https://cronkitenews.azpbs.org/), Cronkite News social platforms and partner sites across Arizona. https://cronkite.asu.edu/content/masters-degree-journalism
- Cronkite News Washington: Students cover Congress, the White House and the U.S. Supreme Court for Cronkite News and partner newsrooms. https://cronkite.asu.edu/content/masters-degree-journalism
- Cronkite Noticias: Students produce Spanish-language news for digital and broadcast platforms in collaboration with Univision Arizona.
https://cronkite.asu.edu/content/masters-degree-journalism
- Carnegie-Knight News21: Students produce major national investigations in partnership with newsrooms such as The Washington Post and NBCNews.com. https://cronkite.asu.edu/content/masters-degree-journalism
- New Media Innovation and Entrepreneurship Lab: Journalism, engineering, design and business students work together to create cutting-edge digital products and launch new businesses. https://cronkite.asu.edu/content/masters-degree-journalism


## Concurrent Degrees:

This degree is also offered as concurrent degree program with:

> Legal Studies, MLS

Sustainability Solutions, MSUS

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Journalism and Mass Communication, BA
Sports Journalism, BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required applied project course (MCO 593), or 30 credit hours including the required capstone course (MCO 570 ), or 36 credit hours including the required capstone course (MCO 570).

Required Core (20 credit hours)
MCO 502 Journalism Skills (8)
MCO 503 Media Law (3)
MCO 510 Data Journalism (3)
MCO 525 21st-Century Media Organization and Entrepreneurship (3)
MCO 530 History, Philosophy, and Ethics of Journalism (3)

Electives (6 credit hours)

Culminating Experience (9 credit hours)
MCO 570 Master of Mass Communication Capstone (9)

Additional Curriculum Information
The master's degree program is a full-time, 36 credit hour program. Students with extensive professional journalism experience may be offered the opportunity to pursue the 30 credit hour mid-career option.

Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- personal statement of interest (350 to 500 words in length).
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores must be at least 600 for the paper-based examination and 100 for the Internet-based.

Scores on the quantitative and verbal sections of the GRE are required, with the verbal score being particularly important to the journalism school's graduate committee.

Applicants should see the program website for application deadlines and admission terms, and applicants must meet all deadlines and application requirements to be considered.

The Cronkite School's graduate committee reviews complete and on-time applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

## Contact Information:

Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm
https://cronkite.asu.edu/content/masters-degree-journalism
CRONK 302
cronkitegrad@asu.edu
602-496-5555

## Sports Journalism, MA (CSSPJMA)

Online Degree Search Title: Sports Journalism, MA
Campus: Downtown Phoenix

## Program Description:

Sports journalism is the fastest-growing sector of the news media industry, with continued growth on all platforms: specialty magazines, multimedia outlets, and broadcast channels and networks.

The Walter Cronkite School of Journalism and Mass Communication's MA program in sports journalism gives students unparalleled preparation for careers in sports media and communications through in-depth, hands-on multimedia writing and reporting courses. Students learn the values and principles embodied by Walter Cronkite in classes that focus on sports journalism ethics and the challenges faced by the industry. Students complete their programs with a capstone experience in the school's Los Angeles or Phoenix sports bureaus.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Journalism and Mass Communication, BA Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

36 credit hours including the required capstone course (MCO 570).

Required Core (23 credit hours)
MCO 502 Journalism Skills (8)
MCO 503 Media Law (3)
MCO 510 Data Journalism (3)
MCO 526 Advanced Issues in 21st-Century Sports and Media (3)
MCO 529 Ethics and Diversity in Sports Journalism (3)
MCO 540 Sports Reporting (3)

Electives or Research (3 credit hours)

Other Requirement (1 credit hour)
MCO 598 Special Topics (1)

Culminating Experience (9 credit hours)
MCO 570 Capstone: Cronkite News - Los Angeles Sports Bureau (9) or
MCO 570 Capstone: Cronkite News - Phoenix Sports Bureau (9)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Walter Cronkite School of Journalism and Mass Communication.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- scores on the quantitative and verbal sections of the GRE, with the verbal score being particularly important to the journalism school's graduate committee.
- three letters of recommendation
- personal statement of interest (350 to 500 words in length)
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores must be at least 600 for the paper-based examination and 100 for the Internet-based.

Students should see the program website for application deadlines and admission terms. Applicants must meet all deadlines and application requirements to be considered

The Cronkite School's graduate committee reviews complete and on-time applications. Recommendations for admission are made to Graduate Admission Services, where the final admission decisions are made.

## Law, Sandra Day O'Connor College of

## Biotechnology and Genomics, LL.M. (LWGENOMLLM)

Online Degree Search Title: Biotechnology and Genomics, LLM
Campus: Downtown Phoenix

## Program Description:

The LLM in biotechnology and genomics is offered through the Sandra Day O'Connor College of Law's Center for Law, Science and Innovation, the nation's oldest, largest and most comprehensive research center focusing on the intersection of law and science. Through classroom instruction and guided independent study, Master of Laws candidates will examine the legal issues surrounding genetic applications such as:

- cloning
- forensic evidence
- gene testing
- gene therapy
- genetically modified organisms
- stem cells and behavioral genetics

The issues relate to:

- business planning
confidentiality
- evidentiary standards
- intellectual property
- international trade
- liability
licensing
- privacy
- regulation

Master of Laws in biotechnology and genomics students explore and examine the law that enables and constrains the development, control and application of biotechnology and genomics. Relevant legal fields include:

- agricultural law and policy
- health law, particularly public health law
- intellectual property

Forensic science and ethical constraints upon the various contemplated uses are also important elements of the program. Because the legal, ethical and policy aspects of genomics and biotechnology are of global significance, this program is also beneficial for non-U.S. lawyers. Candidates for a Master of Laws degree must have received their JD or comparable terminal law degree from another country.

## Degree Requirements:

The program is designed to be completed in nine months on a full-time basis but also may be pursued on a part-time basis. A degree candidate must complete 24 credit hours of coursework to obtain the Master of Laws degree in biotechnology and genomics. A candidate may elect to write a graduate thesis for either three or six credit hours or can elect not to write a thesis and fulfill the equivalent credits with other coursework. Two required courses are: genetics and the law; and biotechnology: science, law and policy.

The remaining credit hours generally will be obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

Applicants should see the program website for application deadlines.

Admission to the program is competitive. In order to be admitted, an applicant must have completed a Juris Doctor degree program or a law degree program at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program. Selection will be based on:

- academic background and potential
career experience and ambitions
- diversity of experience and background
space and resource limitations in the law school
- strength of experience related to the program sought and other factors

For an application to be considered complete, it must include the following:

- completed Law School Admissions Council (LSAC) electronic application form (available at https://law.asu.edu/admissions/apply/lm (https://law.asu.edu/admissions/apply/llm))
- completed LLM Credential Assembly Service (CAS) report (https://www.lsac.org/llm/application-process/checklist-for-the-IIm-application-process
(https://www.Isac.org/llm/application-process/checklist-for-the-Ilm-application-process))
- required application fee
- resume that does not exceed three typed pages
- personal statement that does not exceed 1,250 words (double-spaced typed pages)
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred
- two letters of recommendation
- writing sample

Additional Application Information
Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate College and College of Law English proficiency requirements.

## Contact Information:

## Law, Sandra Day O'Connor College of

Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/llm
BCLS 420
Ilmasu@asu.edu
480-965-1474
Health Law and Policy (Certificate), Certificate (LWHLPGRCT)
Online Degree Search Title: Health Law Policy (Graduate Certificate)
Campus:

## Program Description:

The health law and policy graduate certificate in ASU's Sandra Day O'Connor College of Law is a pivotal step to a health law career for graduates of this program. The certificate is designed to immerse students in multiple areas of health law and policy, broadening their knowledge and skills in preparation for applied practice.

## Degree Requirements:

Required Core (5 credit hours)

LAW 650 Health Law (3)

LAW 651 Public Health Law (2)

Electives (10 credit hours)

Culminating Experience
writing requirement and active participation in health law

Students are required to participate in at least one of the following activities (other activities consistent with this listing may also be considered by the Program/Certificate Director or designee):

- active participation as an officer for at least one year in the student Health Law Society
- editorial board position for at least one year with JURIMETRICS
health or public health law-based externships (upon approval from Program Director or designee) for at least 1 semester or summer session
research assistant for at least one semester or summer session with the Public Health Law \& Policy Program (or other centers or programs at ASU Law, provided research is focused predominantly on health-related topics)

The student must write a substantial paper on a health or public health law topic of at least 15 single-spaced pages and under guidance of a College of Law faculty member. Papers satisfying the college ¿s Graduation Writing Requirement or Flexible Writing Requirement or law journal requirements can fulfill this certificate requirement, including as part of seminar courses among the elective courses.

Each student must earn a cumulative average grade of at least 3.00 (scale is $4.00=$ "A") for courses taken to satisfy the substantive requirements of the health law and policy certificate. A student also must earn a minimum grade of a "B-" for any course applied toward the certificate.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution Applicants must be existing J.D. or LLM students who are currently enrolled in coursework and in good academic standing with the ASU College of Law

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- admission application for the certificate program through Law Interactive. Students should refer to the College of Law website.

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- proof of English proficiency
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Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Further specific requirements for admission to the certificate program can be found on the Sandra Day O'Connor College of Law website.

## Contact Information:

Law, Sandra Day O'Connor College of
College of Law Dean's Office
https://www.law.asu.edu/faculty/centers/public-health-law-program
BCLS 340
publichealthlaw@asu.edu
480-965-6181
Indian Law (certificate), Certificate (LWLAWGRCI)
Online Degree Search Title: Indian Law (Graduate Certificate)
Campus:

## Program Description:

The Indian law certificate program is designed for students who plan to practice Indian law, particularly students who may be representing tribal communities directly after graduation.

To be eligible to pursue the Indian law certificate, a student must be enrolled in the JD degree program at the Sandra Day O'Connor College of Law and be in good standing. Transfer applicants may be admitted to the certificate program if they otherwise meet the admission standards of the Sandra Day O'Connor College of Law.

The certificate requires substantive coursework, a minimum grade requirement, practice experience in Indian law and the College of Law graduation writing requirement written on an Indian law topic.

## Degree Requirements:

The certificate requires a minimum of 21 hours of substantive work in Indian law and related fields. The following courses are required:

LAW 632 Federal Indian Law I
LAW 704 Federal Indian Law II
LAW 776 Indian Legal Clinic
two advanced Indian law courses approved by the faculty director of the Indian law program

The remaining credits are elective courses approved by the faculty director. Students must complete a substantial paper on an Indian law topic approved by the faculty director. Students must receive a grade of " C " (scale is $4.00=$ " A ") or above or a "Pass" in each course used to fulfill the Indian law certificate requirements.

More specific requirements for completion of the Indian law certificate can be found on the Sandra Day O'Connor College of Law website.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Students wishing to pursue the Indian law certificate must be enrolled in the Juris Doctor degree program at the Sandra Day O'Connor College of Law and must be in good standing. Specific requirements for the Indian law certificate program can be found at the college's website.

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://www.law.asu.edu/faculty/centers/ilp
BCLS 420
ilp@asu.edu
480-965-6204
Juris Doctor of Law, JD (LWJDJD)
Online Degree Search Title: Juris Doctor, JD
Campus: Downtown Phoenix

## Program Description:

The JD degree program offers a large selection of courses with options for transdisciplinary study with other departments on campus. Students will find the opportunity to take classes with a more traditional, theoretical focus and to take advantage of many options that focus on the development of practice skills. The college hosts:

- The Center for Law and Global Affairs
- The Center for Law, Science and Innovation
- The Center for Public Health Law and Policy
- The Indian Legal Program
- The Lodestar Dispute Resolution Center


## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
Justice Studies, PhD
Psychology, PhD
Social Work - Standard Program, MSW
W. P. Carey MBA - Full-Time Program

## Degree Requirements:

Satisfactory completion of the course of study offered by the Sandra Day O'Connor College of Law leads to the Juris Doctor degree.

To be eligible for the Juris Doctor degree, a student must satisfy all the following:

- Admission to the college as a candidate for the degree is required, as is satisfaction of any conditions imposed at the time of admission or prior to graduation during the course of law study.
- Successful completion of a minimum of 88 hours of academic credit is required, of which 72 must be graded with a cumulative weighted average of 2.0 or better (scale is $4.00=$ " $\mathrm{A} "$ ).
- No more than four credit hours of "D" (deficient) grade work after the first year can be applied toward the 88 hours.
- Completion of all required first-year courses is required.
- Satisfaction of the graduation writing requirement is required (see Section II, E of college policies).
- A maximum of 12 credits of externship work, a maximum of seven credits of independent study, and a maximum of four professional development credits can be counted toward the 88 credits required for graduation.
- All 88 credits required for graduation must be earned at the ASU College of Law unless prior approval by the dean's designee is granted (see Section IX, A and Section XI, B of the college policies).
- Completion of the degree requirements may be done no earlier than 24 months and no later than 84 months after commencing study at the law school or a law school from which the school has accepted transfer credit. A transfer student must complete the work of at least three semesters in the ASU Sandra Day O'Connor College of Law immediately preceding the granting of a degree.
- Satisfaction of the Flexible Writing Requirement is required (see Section II, H of the college policies).
- Satisfaction of the Experiential Learning Requirement is required (see Section II, G of the college policies).
- A minimum of 64 units must be obtained from courses that involve attendance at regularly scheduled class sessions. The following do not count toward these required 64 units: all externships; independent studies; courses taken outside the law school under section IX A; credits received for working for a journal under section X F; credits received for Moot Court under section X G; credits received for being a teaching assistant; credits received from any clinic other than Civil Justice Clinic, Immigration Law and Policy Clinic, Indian Legal Clinic, Innovation Advancement Legal Clinic, Mediation Clinic, Post Conviction Clinic; and credit from courses without regularly scheduled meetings.
- A maximum of 29 transfer credits can be counted toward the 88 credits necessary for graduation.


## Admission Requirements:

Applicants with degrees from foreign institutions must meet the Graduate College and College of Law English proficiency requirements.

The Sandra Day O'Connor College of Law at Arizona State University enrolls only one first-year Juris Doctor class per year, and it enters in the fall semester. The Juris Doctor degree is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. Each year, far more applications are submitted to the Sandra Day O'Connor College of Law than the college's facilities and programs can accommodate. Thus, admission is competitive. The Sandra Day O'Connor College College of Law makes its admission decisions based upon all information contained in the applicant's file.

To be considered for admission to the program, an applicant must have taken the LSAT and have earned, or expect to have earned by the time of enrollment in law school, a bachelor's degree from an accredited four-year college or university. Further, a candidate must complete the application for admission and submit all mandatory attachments. Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the College of Law by LSAC with the applicant's LSAT record. Applicants must apply electronically through https://www.lsac.org (https://www.lsac.org/).

The Sandra Day O'Connor College of Law will provide full file review to 100 percent of the completed applications to the Juris Doctor program. While the applicant's undergraduate record and LSAT score are important predictors, no decision will be made on objective criteria alone. Among the other factors considered by the admission committee are:

[^4]- publications
- service in the Armed Forces
- the rigor of the undergraduate course of study
- work experience

Students should see the program website for application deadlines.

For an application to be considered complete, it must include the following:

- a complete Credential Assembly Service report, with all transcripts and letters of recommendation or evaluations
- the completed application, including explanations for affirmative answers to conduct, character and fitness questions
- LSAT scores from Law School Admissions Council
- a personal statement that does not exceed two double-spaced, typed pages
- the required application fee
- a resume that does not exceed three typed pages

The Credential Assembly Service report must be from the current application year.

## Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu
BCLS 420
asulaw.admissions@asu.edu
480-965-1474

## Law and Sustainability (Certificate), Certificate (LWLSUSGRCT)

Online Degree Search Title: Law and Sustainability (Graduate Certificate)

## Campus:

## Program Description:

The law and sustainability graduate certificate within ASU's Sandra Day O'Connor College of Law is instrumental in propelling ASU law students into environmental sustainability-related legal careers. Environmental sustainability is a primary emphasis at ASU, and this certificate program leverages that emphasis by recognizing those law students who have successively immersed themselves in the study of sustainability-related law courses during their time at the law school.

## Degree Requirements:

Required Core (6 credit hours)

LAW 619 Energy Law and Policy (3)

LAW 631 Environmental Law (3)

LAW 639 Natural Resource Law (3)

LAW 643 Water Law (3)

Electives (9 credit hours)

Culminating Experience
writing requirement and active participation in Sustainability Law

Additional Curriculum Information

Students must select two of the required core courses from the above list.

Each student must earn a cumulative average grade point average of at least 3.00 (scale is $4.00=$ "A") for the courses taken to satisfy the substantive coursework requirement of the law and sustainability certificate program. A student also must earn a minimum grade of "B" for any course taken outside of ASU Law, if permitted.

Each student must participate in at least two different activities from the following list:

- active participation on the board of the law school ¿s Environmental Law Society student chapter
extramural environmental or sustainability moot court competitions (upon approval from Program
Director or Faculty Director)
- law and sustainability-based externships (upon approval from Program Faculty Director or Director)
- Sustainability Law Research Seminar
- the Mentorship Initiative in Sustainability Law

Each student must write a substantial paper on a topic related to law and sustainability. The paper must be at least 15 pages in length and written under the guidance of a member of the College of Law faculty. A paper written to satisfy the College of Law's graduate writing requirement or flexible writing requirement can fulfill this writing requirement, including a paper written as part of a seminar course included on the list of elective courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants must be existing J.D. or LLM students who are currently enrolled in coursework and in good academic standing with the ASU College of Law.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- admission application for the certificate program through Law Interactive. Students should refer to the College of Law website.
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Further specific requirements for admission to the certificate program can be found on the Sandra Day O'Connor College of Law website.

## Contact Information:

Law, Sandra Day O'Connor College of
College of Law Dean's Office
https://www.law.asu.edu/degree-programs/programs/sustainability
BCLS 478
LawandSustainability@asu.edu
480-965-7553
Law, Science, \& Technology (certificate), Certificate (LWLAWSTCE)
Online Degree Search Title: Law, Science, and Technology (Graduate Certificate)

## Campus:

## Program Description

The law, science and technology certificate program is for students with science and technology interests and is limited to students in good standing pursuing a JD degree at the Sandra Day O'Connor College of Law.

Students can choose to earn a general LST certificate or focus in one or more of the following areas:

- data, privacy and security
- environmental and sustainability law
- genomics and biotechnology
- health law
- intellectual property


## Degree Requirements:

Students must satisfy their graduation writing requirement on a topic related to law, science and technology. The paper must meet all of the Sandra Day O'Connor College of Law requirements for a graduation writing requirement and must be supervised by a center fellow.

A minimum cumulative GPA of at least 3.00 (scale is $4.00=$ " A ") is required for those courses that satisfy the substantive coursework requirements of the certificate. Courses used to satisfy the core or focus area requirements may not be taken for pass or fail credit. A student may take one elective course on a pass or fail basis.

Substantive coursework is required in law, science and technology subjects for a minimum of seven courses, earning at least 16 credit hours, at the Sandra Day O'Connor College of Law. Two courses are chosen from the designated core courses and five courses are chosen from a list of elective courses.

Each student is encouraged to actively participate in the events (speakers, conferences, symposia) sponsored by the Center for Law, Science and Innovation and to participate in at least one approved activity for two semesters.

Additional details of the program requirements for the law, science and technology certificate can be found in the Sandra Day O'Connor College of Law Statement of Student Policies.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Students wishing to pursue the law, science and technology certificate must be enrolled in the Juris Doctor program at the Sandra Day O'Connor College of Law and be in good standing.

Specific requirements for admission to the law, science and technology certificate program can be found on the college website

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://www.law.asu.edu/faculty/centers/lsi
BCLS 420
Lsi@asu.edu
480-965-5386
Laws, LL.M. (LAWLAWSLLM)
Online Degree Search Title: Laws, LLM
Campus: Downtown Phoenix

## Program Description:

The LLM program allows one year of post-JD study tailored to the scholarly and practice interests of participating students. Study is available in a variety of areas in which the law school holds particular strength

With more than 250 unique courses to choose from each year (https://law.asu.edu/admissions/courses (https://law.asu.edu/admissions/courses)), the 24 -credit hour Master of Laws program is customized to meet students' career goals with focus on popular areas of study: https://law.asu.edu/degree-programs/programs (https://law.asu.edu/degree-programs/programs). The graduate program is flexible with fall and spring starts as well as full-time and part-time options. In order to be admitted to the Master of Laws program, applicants must have completed a JD degree or a law degree at a foreign institution that would qualify an applicant to practice law.

The college also offers a Master of Laws in biotechnology and genomics (https://law.asu.edu/degree-programs/llm/biotech-genomics (https://law.asu.edu/degree-programs//lm/biotech-genomics)) and a Master of Laws in tribal policy, law and government (https://law.asu.edu/degree-programs/llm/tribal-policy-law-government (https://law.asu.edu/degree-programs/llm/tribal-policy-law-government)).
(https://law.asu.edu/content/asu-college-law-informational-webinars).

Focus Areas:

- Health Law https://law.asu.edu/degree-programs/programs/health-law (https://law.asu.edu/degree-programs/programs/health-law)
- Indian Law https://law.asu.edu/degree-programs/programs/indian-law (https://law.asu.edu/degree-programs/programs/indian-law)
- International Law https://law.asu.edu/degree-programs/programs/international (https://law.asu.edu/degree-programs/programs/international)
- Law and Sustainability https://law.asu.edu/degree-programs/programs/sustainability (https://law.asu.edu/degreeprograms/programs/sustainability)
- Patent Practice https://law.asu.edu/degree-programs/programs/patent (https://law.asu.edu/degree-programs/programs/patent)
- Rule of Law and Governance https://law.asu.edu/degree-programs/programs/international/rule-law-governance (https://law.asu.edu/degree-programs/programs/international/rule-law-governance)
- Science and Technology Law https://law.asu.edu/degree-programs/programs/law-technology (https://law.asu.edu/degree-programs/programs/law-technology)
- Sports Law and Business https://law.asu.edu/degree-programs/programs/sports-law-business (https://law.asu.edu/degree-programs/programs/sports-law-business)
- LLM in Biotechnology and Genomics https://law.asu.edu/degree-programs//lm/biotech-genomics (https://law.asu.edu/degree-programs/llm/biotech-genomics)
- LLM in Tribal Policy, Law and Government https://law.asu.edu/degree-programs/llm/tribal-policy-law-government (https://law.asu.edu/degree-programs/llm/tribal-policy-law-government)


## Degree Requirements:

The program requires 24 credit hours. Required courses will depend on the student's particular concentration in the degree. International students will be required to take LAW 596 Professional Legal Writing. A candidate may elect either to write a master's degree portfolio paper or complete an applied project. The remaining credit hours generally will be obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a Juris Doctor degree in the U.S. or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country.

All applicants must submit:

- completed LLM application form and application fee
- official transcripts
- resume, not exceeding three typed pages
- statement of interest, not exceeding 1,250 words (double-spaced, typed pages)
- two letters of recommendation
- writing sample
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the College of Law website for acceptable TOEFL scores and additional information for foreign educated applicants.

Applicants are encouraged to apply electronically through https://www.lsac.org. (https://www.lsac.org/)

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC. Transcripts are required from all institutions attended, and transcripts showing that the bachelor's degree and law degree were conferred must be included.

Admission to the program is competitive. Selection will be based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school and other factors.

Potential applicants should see the program website for application deadlines.

## Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/llm
BCLS 420
Ilmasu@asu.edu
480-965-1474

## Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)

Online Degree Search Title: Laws (Global Legal Studies), LLM
Campus: Downtown Phoenix

## Program Description:

The LLM program allows one year of post-JD study tailored to the scholarly and practice interests of participating students. The concentration in global legal studies is designed in coordination with the College of Law's Center for Law and Global Affairs. The program draws on the unique focus of the center and the faculty's international and transnational legal expertise in global health, the environment, human rights, trade and emerging technologies. The program emphasizes transdisciplinary study and links rigorous legal training with the research and scholarship drawn from political science, policy studies, anthropology and sustainability.

## Coursework

Students can take a wide variety of courses on international topics, ranging from international environmental law to international human rights law to international institutions. These include business-related courses such as international contracts, international taxation, international commercial arbitration and international business transactions.

## Externships

Students that participate in externships gain practical experience that makes them more competitive for jobs at home and abroad. ASU Law can place every eligible enrolled student into an externship at organizations in Arizona (https://law.asu.edu/about/new-building
(https://law.asu.edu/about/new-building)) or Washington, D.C., like the U.S. State Department, World Bank, International Rescue Committee, Department of Homeland Security and Human Rights First. ASU Law DC-based externship opportunities are available to view here: https://law.asu.edu/experiences/externships/washington (https://law.asu.edu/experiences/externships/washington). The opportunity for students to network with international decision-makers, opinion leaders, and top practitioners is further amplified through ASU's large DC presence (https://washingtondc.asu.edu/\#why-is-asu-in-washington-dc (https://washingtondc.asu.edu/\#why-is-asu-in-washington-dc)).

## Community Involvement

Students can engage with globally minded leaders in the legal, government and business communities to develop professionally. For instance, the Phoenix Committee on Foreign Relations hosts events and other forums for select students to engage with prominent leaders and practitioners on trending international issues. Each year, LGA holds a workshop with the American Red Cross on international humanitarian law that brings students, members of the military, and community leaders together to learn more about the principles governing armed conflict.

## Degree Requirements:

The program is designed to be completed in one academic year (nine months) on a full-time basis but may also be pursued on a part-time basis. A degree program candidate must complete 24 credit hours of coursework. A candidate may elect to write a master's degree portfolio paper or, instead, can elect to complete an applied project. Required coursework includes two of the following courses:

LAW 615 Public International Law (3)
LAW 691 International Institutions (2)
LAW 709 International Human Rights (2-3)
LAW 768 International Business Transactions (2-4)

An international student whose initial law degree is not from a U.S. law school is required to take the following course:

LAW 596 Professional Legal Writing (2)

The remaining credit hours will generally be obtained from the list of elective courses in international law.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a Juris Doctor degree in the U.S. or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country.

All applicants must submit:

- completed LLM application form and application fee
- official transcripts
- resume, not exceeding three typed pages
- statement of interest, not exceeding 1,250 words (double-spaced, typed pages)
- two letters of recommendation
writing sample
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the College of Law website for acceptable TOEFL scores and additional information for foreign educated applicants.

Applicants are encouraged to apply electronically through http://www.lsac.org (http://www.lsac.org/)

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC. Transcripts are required from all institutions attended, and transcripts showing that the bachelor's degree and law degree were conferred must be included.

Admission to the program is competitive. Selection will be based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school and other factors.

Potential applicants should see the program website for application deadlines.

## Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/llm
BCLS 420
Ilmasu@asu.edu
480-965-1474

## Legal Studies, MLS (LWLGSMLEGS)

Online Degree Search Title: Legal Studies, MLS
Campus: Downtown Phoenix, Online

## Program Description:

For people who want to understand legal principles and apply them to their fields of interest without actually becoming a lawyer, the Sandra Day O'Connor College of Law offers the MLS degree program. The Master of Legal Studies is a 30 credit hour graduate program for those interested in learning about the law or whose work intersects with the law. The Master of Legal Studies program is flexible and is offered in the fall and spring, full-time and part-time as well as on-ground and online https://law.asu.edu/degree-programs/mls/online (https://law.asu.edu/degreeprograms/mls/online)

Students can focus their program on popular areas of study (https://law.asu.edu/degree-programs/programs (https://law.asu.edu/degreeprograms/programs)) or pursue the Master of Legal Studies concurrently with several graduate business degrees from the W. P. Carey School of Business, a Master of Sustainable Solutions from the School of Sustainability, or a Master of Mass Communication from the Walter Cronkite School of Journalism and Mass Communication. The Master of Legal Studies program is also offered with a concentration in patent practice.

To learn more, applicants should attend one of many offered webinars: https://law.asu.edu/content/asu-college-law-informational-webinar (https://law.asu.edu/content/asu-college-law-informational-webinars).

MLS Focus Areas:
On-ground

- Business Law
- Conflict Resolution https://law.asu.edu/degree-programs/programs/conflict-resolution (https://law.asu.edu/degree-programs/programs/conflictresolution)
- Criminal Law
- Entrepreneurship Law and Strategy https://law.asu.edu/degree-programs/programs/entrepreneurship-law-strategy (https://law.asu.edu/degree-programs/programs/entrepreneurship-law-strategy)
- Health Law https://law.asu.edu/degree-programs/programs/health-law (https://law.asu.edu/degree-programs/programs/health-law)
- HR and Employment Law (also offered online)
- Indian Law https://law.asu.edu/degree-programs/programs/indian-law (https://law.asu.edu/degree-programs/programs/indian-law)
- International Law https://law.asu.edu/degree-programs/programs/international (https://law.asu.edu/degree-programs/programs/international)
- Law and Sustainability https://law.asu.edu/degree-programs/programs/sustainability (https://law.asu.edu/degreeprograms/programs/sustainability)
- Patent Practice https://law.asu.edu/degree-programs/programs/patent (https://law.asu.edu/degree-programs/programs/patent)
- Rule of Law and Governance https://law.asu.edu/degree-programs/programs/international/rule-law-governance (https://law.asu.edu/degree-programs/programs/international/rule-law-governance)
- Science and Technology Law https://law.asu.edu/degree-programs/programs/law-technology (https://law.asu.edu/degree-programs/programs/law-technology)
- Sports Law and Business (offered as the MSLB degree) https://law.asu.edu/degree-programs/mls-sports-law-business (https://law.asu.edu/degree-programs/mls-sports-law-business)

Online only

- Criminal Law https://law.asu.edu/degree-programs/mls/mls-online/criminal-law-mls (https://law.asu.edu/degree-programs/mls/mls-online/criminal-law-mls)
- HR and Employment Law https://law.asu.edu/degree-programs/mls/mls-online/hr-concentration-mls (https://law.asu.edu/degreeprograms $/ \mathrm{mls} / \mathrm{mls}$-online $/ \mathrm{hr}$-concentration-mls)
- Intellectual Property Law https://law.asu.edu/degree-programs/mls/mls-online/intellectual-property-mls (https://law.asu.edu/degree-programs/mls/mls-online/intellectual-property-mls)
- Sports Law and Business https://law.asu.edu/degree-programs/mls/mls-online/sports-business-mls (https://law.asu.edu/degreeprograms $/ \mathrm{mls} / \mathrm{mls}$-online/sports-business-mls)
- Sustainability Law https://law.asu.edu/degree-programs/mls/mls-online/sustainability-mls (https://law.asu.edu/degree-programs/ms/mls-online/sustainability-mls)

Note: Pursuant to American Bar Association standards, no law credits completed prior to admission to a JD program, including credits earned in the Master of Legal Studies program, may be transferred to a future Juris Doctor program under any circumstances.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
Accountancy, MACC
Information Management, MS
Management, MS
Master of Mass Communication, MMC
Real Estate Development, MRED
Sustainability Solutions, MSUS
Taxation, MTax
W. P. Carey MBA - Full-Time Program
W. P. Carey MBA - Professional Flex Program

## Degree Requirements:

The program consists of 30 credit hours of approved study. The degree program can be completed on a full-time or part-time basis. Students are required to take:

LAW 581 U.S. Law and Legal Analysis (3)

Students are required to choose one of the following basic foundational courses:

LAW 515 Contracts* or LAW 530 Fundamentals of Contract Law (4/3)
LAW 516 Criminal Law (3)*
LAW 517 Torts (2/4)*
LAW 518 Civil Procedure (3/5)*
LAW 522 Constitutional Law I (3)*
LAW 523 Property (2/4)*
LAW 602 Civil Procedure II (3/4)
LAW 604 Criminal Procedure (3)
LAW 625 Constitutional Law II (3/4)
LAW 654 Business Organizations (3/4)
LAW 664 Intellectual Property (2/4)
*Students may enroll in a maximum of two courses marked with an asterisk.

The remainder of the credits are electives. Elective course selection will be flexible, to accommodate the diversity of intellectual and professional interests the program is intended to serve.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from an accredited four-year college or university in the United States or attained a comparable degree from a foreign institution.

All applicants must submit:

- completed MLS application form and application fee
- official transcripts
- resume, not exceeding three typed pages
- personal statement (typed, double-spaced), not exceeding 1,250 words
- two letters of recommendation
- writing sample
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the College of Law website for acceptable TOEFL scores and additional information for foreign educated applicants.

Applicants with degrees from foreign institutions must submit transcripts to World Education Services (https://www.wes.org (https://www.wes.org)).

Admission to the program is competitive. Selection will be based on a variety of factors, including academic background and potential, diversity of experience and background, career experience and ambitions, space and resource limitations in the law school and other factors.

Graduate school entrance exams (e.g. LSAT, GRE, GMAT) are not required.

Potential applicants should see the program website for application deadlines.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-legal-studies?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/mls
BCLS 420
mlsasu@asu.edu
480-965-1474

## Legal Studies (Patent Practice), MLS (LWLPPMLEGS)

Online Degree Search Title: Legal Studies (Patent Practice), MLS
Campus: Downtown Phoenix

## Program Description:

The concentration in patent practice within the MLS degree program prepares students for the practice of patent law as registered patent agents with the United States Patent and Trademark Office. The concentration program focuses on providing students with substantial doctrinal knowledge about patent law as well as practical skills training, including a capstone clinical course, relevant in the patent law field.

Undergraduates with an engineering or hard science degree can draft and submit patent applications on behalf of themselves and others by passing the patent bar exam and becoming a registered Patent Agent with the USPTO. Additionally, many law firms, corporations, entrepreneurial ventures, and others hire nonlawyers to draft patents.

At ASU's Sandra Day O'Connor College of Law, the patent practice focus provides students with a detailed understanding of patent law and a general understanding of intellectual property and the U.S. legal system. Skills gained enable students to successfully assist clients in securing their patentable invention rights.

## Patent Agent

Trends show that many law firms, large corporations and other companies that rely on patent prosecution expertise are increasing their hiring and use of patent agents. Patent agents are nonlawyers but are approved by the USPTO to represent individuals and companies in the patent prosecution process.

Not surprisingly, patent agents are well-paid. According to the American Intellectual Property Law Association, the average salary is $\$ 131,333$ and $\$ 147,978$ for all patent agents having five or fewer years of experience and who are employed at law firms who participated in the 2015 AIPLA Economic Survey.

## Clinical Experience

Students in the Lisa Foundation Patent Law Clinic (https://law.asu.edu/experiences/clinics/lisa-foundation
(https://law.asu.edu/experiences/clinics/lisa-foundation)) receive hands-on experience in real-world patent prosecution and learn skills needed to recognize and obtain valuable and enforceable patents for clients that later may be successfully licensed or litigated. Regardless of whether students plan to practice transactional patent law or work in patent litigation, the clinic gives students insight into both areas of practice so they may understand the impact that actions taken during the patent procurement process have during a subsequent patent litigation.

Through their clinical experience, students work with independent inventors and start-up companies to draft and prosecute patent applications in the USPTO under the supervision of licensed patent attorneys. Additionally, students learn to conduct validity and infringement analyses while gaining valuable skills such as patent due diligence, valuation and licensing strategies.

The clinic focuses on providing students with hands-on experience in the most commonly encountered practical areas such as inventor interviewing, patentability searching and opinion drafting, patent application and office action response drafting, and examiner interviewing.

## Degree Requirements:

Required Core (3 credit hours)
LAW 581 US Law and Legal Analysis (3)

Concentration (18 credit hours)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
clinical experience (Lisa Foundation Patent Law Clinic) (3)

Total required credit hours (30)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Admission to the concentration requires a bachelor's degree in one of the following:

- aeronautical engineering
- agricultural engineering
- biochemistry
- biology
- biomedical engineering
- botany
ceramic engineering
- chemical engineering
- civil engineering
- computer engineering
- computer science*
- electrical engineering
- electrochemical engineering
- electronics technology
- engineering physics
- food technology
- general chemistry
- general engineering
- geological engineering
- industrial engineering
- marine technology
- mechanical engineering
- metallurgical engineering
- microbiology
- mining engineering
- molecular biology
- nuclear engineering
- organic chemistry
- petroleum engineering
- pharmacology
- physics
- textile technology
*Acceptable computer science degrees must be accredited by the Computer Science Accreditation Commission of the Computing Sciences Accreditation Board or by the Computing Accreditation Commission of ABET on or before the date the degree was awarded.

A minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program is required. A minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in the applicable master's degree is required.

All applicants must submit:

- completed MLS application form and application fee
- official transcripts
resume, not exceeding three typed pages
- statement of interest (typed, double-spaced) not exceeding 1,250 words
- two letters of recommendation
- a writing sample
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency as indicated by acceptable scores. Applicants should have a TOEFL score above 600 (paper), 250 (computer) or 100 (Internet). Exceptional candidates with relevant experience and background who have scores of at least 590 (paper), 243 (computer) or 96 (Internet) also will be considered. Applicants must meet the requirements of the Graduate College as well as those of the Sandra Day O'Connor College of Law

Applicants with degrees from foreign institutions must submit transcripts to World Education Services (www.wes.org (https://www.wes.org)).

There is no required admission examination.

Potential applicants should see the program website for application deadlines.

## Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/programs/patent
BCLS 420
mlsasu@asu.edu
480-965-1474

## Sports Law and Business, JD (LWSLBJD)

Online Degree Search Title: Law (Sports Law and Business), JD

## Campus:

## Program Description:

The sports law and business concentration under the JD program provides real-world experience to aspiring professionals and future lawyers, teaching them how to approach and solve industry problems through the lens of sports by considering all regulatory, revenue, reputational and relationship factors involved in a given scenario. It provides the theoretical and practical knowledge and experience necessary for success at the nexus of sports and law.

## Degree Requirements:

Required Core (30 credit hours)

LAW 515 Contracts (4)

LAW 516 Criminal Law (3)

LAW 517 Torts (4)

LAW 518 Civil Procedure (4)

LAW 519 Legal Method and Writing (3)

LAW 522 Constitutional Law I (3)

LAW 523 Property (4)

LAW 524 Legal Advocacy (2)

LAW 638 Professional Responsibility (3)

Concentration Courses (15 credit hours)

LAW 675 Professional Sports Law (3) or LAW 676 Amateur Sports Law (3)
non-JD SLB courses (6)
sports-related internship, externship, advanced research (3)
sports-related elective (3)

LAW Electives (43 credit hours)

Additional Curriculum Information

Students should see the academic unit for available concentration and elective courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- a complete Credential Assembly Service report, with all transcripts and letters of recommendation or evaluations
- the completed application, including explanations for affirmative answers to conduct, character and fitness questions
- LSAT scores from the Law School Admissions Council
- a personal statement that does not exceed two double-spaced, typed pages
- the required application fee
- a resume that does not exceed three typed pages

Additional Application Information

The Sandra Day O'Connor College of Law at Arizona State University enrolls only one first-year Juris Doctor class per year, and it enters in the fall
semester. The Juris Doctor degree is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. Each year, far more applications are submitted to the Sandra Day O'Connor College of Law than the college's facilities and programs can accommodate. Thus, admission is competitive. The Sandra Day O'Connor College of Law makes its admission decisions based upon all information contained in the applicant's file.

To be considered for admission to the program, a candidate must complete the application for admission and submit all mandatory attachments. Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the College of Law by LSAC with the applicant's LSAT record. Applicants must apply electronically through https://www.lsac.org (https://www.lsac.org).

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The Credential Assembly Service report must be from the current application year.

Students should refer to the program website for application deadlines.

## Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/sports-law-business
BCLS 558
mslbasu@asu.edu
480-965-0304

## Sports Law and Business, LL.M. (LWSLBLLM)

Online Degree Search Title: Laws (Sports Law and Business), LLM

## Campus:

## Program Description:

The sports law and business concentration under the LLM program provides real-world experience to aspiring professionals and future lawyers, teaching students how to approach and solve industry problems through the lens of sports by considering all regulatory, revenue, reputational and relationship factors involved in a given scenario. The program gives theoretical and practical knowledge and experience necessary for success at the nexus of sports and law.

## Degree Requirements:

Concentration Courses (12 credit hours)

LAW 675 Professional Sports Law (3) or

LAW 676 Amateur Sports Law (3)
non-JD SLB courses (6)
sports-related internship, externship, advanced research (3)

Electives or Research (12 credit hours)

LAW 670 Pro Sport Team Operations and Legal Issues (3) or

LAW 671 Sports Venue Construction: Legal and Financial Issues (3) or

LAW 673 Risk Management for Venues in the Sports Industry (3) or

LAW 674 NCAA Compliance, Infractions and Enforcement (3)

LAW electives (9)

Additional Curriculum Information

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a Juris Doctor degree in the U.S. or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- admission application for the program through Law Interactive (see the College of Law website)
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Specific further requirements for admission to the concentration can be found on the Sandra Day O'Connor College of Law website

## Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/sports-law-business
BCLS 558
mslbasu@asu.edu
480-965-0304

## Sports Law and Business, MLS (LWSLBMLS)

Online Degree Search Title: Legal Studies (Sports Law and Business), MLS

## Campus:

## Program Description:

The sports law and business concentration under the MLS program provides real-world experience to aspiring professionals and future lawyers, teaching them how to approach and solve industry problems through the lens of sports by considering all regulatory, revenue, reputational and relationship factors involved in a given scenario. The program gives the theoretical and practical knowledge and experience necessary for success at the nexus of sports and law.

## Degree Requirements:

Required Core (6 credit hours)

LAW 581 U.S. Law and Legal Analysis (3)

LAW course from an approved list (3)

Concentration (9 credit hours)

LAW 675 Professional Sports Law (3) or LAW 676 Amateur Sports Law (3)
non-JD SLB courses (6)

Electives or Research (15 credit hours)

Additional Curriculum Information

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in any field from an accredited four-year college or university in the United States or attained a comparable degree from a foreign institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- the completed MLS application form
- the required application fee
- a resume that does not exceed three typed pages
- a personal statement (typed, double-spaced) that does not exceed 1,250 words
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree was conferred
- two letters of recommendation
- a writing sample
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants with degrees from foreign institutions must submit transcripts to World Education Services (https://www.wes.org/ (https://www.wes.org/)) and meet the Graduate College and Sandra Day O'Connor College of Law English proficiency requirements.

Specific further requirements for admission to the concentration can be found on the Sandra Day O'Connor College of Law website

## Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/sports-law-business
BCLS 558
mslbasu@asu.edu
480-965-0304

## Sports Law and Business, MSLB (LWSLBMSLB)

Online Degree Search Title: Sports Law and Business, MSLB
Campus: Downtown Phoenix

## Program Description:

The Sandra Day O'Connor College of Law at Arizona State University offers a master's degree in sports law and business, in partnership with the W.P. Carey School of Business and in full cooperation with ASU's athletics department.

The MSLB program provides students with the training to understand the regulatory and revenue forces that drive the increasingly global sports industry: legal, policy, business, branding and marketing. The program uses a small class environment to deliver a problem- and project-based legal and business curriculum taught by recognized academic and professional leaders. That curriculum, together with an applied project, prepares students with the skills necessary to address the difficult issues present in the sports industry.

This unique graduate degree can be completed on a full-time basis in a 12-month period or in two or fewer years for part-time students working in the field.

## Degree Requirements:

36 credit hours including the required applied project course (SLB 593).

Required Core (24 credit hours)
LAW 581 U.S. Law and Legal Analysis (3)
SLB 510 Amateur Sports Law: MSLB (2)
SLB 511 Career Strategies \& Business Communications in the Sports Industry (1)
SLB 512 Professional Sports Law: MSLB (2)
SLB 513 Sports Law and Business (3)
SLB 514 Negotiations \& Alternative Dispute Resolutions in the Sports Industry (3)
SLB 515 Sports Business Strategies \& Executive Decisions (3)
SLB 516 Revenue Generation in the Sports Industry (2)
SLB 517 Marketing for Sports Organizations (3)
SLB 518 Sports Analytics (2)

Electives or Research (9 credit hours)

Culminating Experience (3 credit hours)
SLB 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Sandra Day O'Connor College of Law.

A minimum of a bachelor's degree is required from a regionally accredited four year college or university in the United States or a comparable degree from a foreign institution. Possible majors include but are not limited to the following:

- business (finance, accounting, marketing, etc.)
- communications
- journalism
prelaw
- sports management or business

All applicants must submit:

- complete MSLB application for admission submitted through the Sandra Day O'Connor College of Law at
https://law.asu.edu/admissions/apply/mslb (https://www.law.asu.edu/admissions/apply/mslb)
- application fee
- official transcripts
- resume that does not exceed three typed pages
- statement of interest that does not exceed 1,250 words (double-spaced, typed pages)
- two letters of recommendation
- writing sample no less than two typed pages
- explanations to affirmative answers to any conduct questions
- proof of English proficiency

Additional Application Information
A student whose native language is not English (regardless of current residency) must provide evidence of English proficiency as indicated by acceptable scores. Applicants should have a TOEFL score more than 600 (paper), 250 (computer), or 100 (Internet). Exceptional candidates with relevant experience and background who have scores of at least 590 (paper), 243 (computer) or 96 (Internet) also will be considered. ASU's institutional code is 4007

Official transcripts from all postsecondary institutions of higher education attended must be submitted to the College of Law. An official transcript is a transcript certified by the issuing school and sent directly to ASU or delivered to ASU in a sealed envelope with a seal intact.

Applicants who have received undergraduate or graduate degrees from foreign institutions must have their transcripts evaluated by World Education Services, and WES must send that evaluation to the offices of the Sandra Day O'Connor College of Law.

Admission to the program is competitive. Selection will be based on a variety of factors, including academic background and potential, diversity of experience and background, career experience and ambitions, space and resource limitations in the law school and other factors.

## Contact Information:

## Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)

## Online Degree Search Title: Tribal Policy, Law, and Government, LLM

Campus: Downtown Phoenix

## Program Description:

The LLM in tribal policy, law and government is designed for lawyers and law school graduates who desire to work on issues related to tribal law and federal Indian law at the professional and academic levels. The Sandra Day O'Connor College of Law is a leading institution in producing graduates specializing in Indian law. The College of Law is also home to the nationally known Indian Legal Program, established in 1988.

The program provides students with a detailed understanding of the nature of tribal government and of law and policy development within the domestic federal structure. Candidates will benefit from the extensive resources committed to the Indian legal program, including a director and staff and an Indian law clinic with its own full-time director and staff.

The core curricular offerings focus on domestic tribal law, federal Indian law and American institutions of law and government. The program explores the expression of domestic law within contemporary administrative, governmental and judicial institutions.

ASU is located in the heart of the southwestern U.S., home to roughly one-third of the native population in the U.S. and where many of the largest Indian nations in the country are located. The university is the academic home for several nationally known scholars who do research on American Indian issues and houses many unique resources for such scholarship, including the Labriola Collection at Hayden Library.

## Degree Requirements:

The program is administered by the Indian Legal Program and is oriented toward students who seek practical experience in tribal law and federal Indian law. It provides intensive instruction to students who graduated from a law school that had few or no courses in Indian law and who now seek to practice in these areas at a professional level. This degree program requires a minimum of 24 credit hours of study. A thesis is not required.

Students will immerse themselves in the study of tribal law and federal Indian law and will apply the knowledge and experience they gain through the practical component of the degree program which may consist of research projects for tribal courts and governments; state, tribal and federal court practice; and tribal code drafting.

Graduates will be well-equipped for professional positions that require knowledge and expertise in tribal law and federal Indian law. Students have the option of pursuing the degree on a part-time basis.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and College of Law English proficiency requirements.

Admission to the program is competitive. In order to be admitted, an applicant must have completed a JD degree or law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program.

Selection will be based on:

- academic background and potential
- career experience and ambitions
- diversity of experience and background
- space and resource limitations in the law school
- strength of experience related to the program sought, and other factors

Applicants are encouraged to apply electronically through https://www.lsac.org (https://www.lsac.org). For an application to be considered complete, it must include the following:

- the completed LLM application form
- the required application fee
- a resume that does not exceed three, typed pages
- a statement of interest that does not exceed 1,250 words, typed and double-spaced
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred
- two letters of recommendation
- a writing sample

Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC.

Students should see the program website for application deadlines.

## Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
https://law.asu.edu/degree-programs/llm
BCLS 420
Ilmasu@asu.edu
480-965-1474

## Liberal Arts \& Sciences, College of

## Actuarial Science, MS (LAACTMS)

Online Degree Search Title: Actuarial Science, MS

Campus: Tempe

## Program Description:

The MS program in actuarial science builds on the strength, experience and reputation of ASU. While keeping the core technical learning outcomes in place, it also includes a new, focused set of professional learning outcomes aligned with the needs of the ever-evolving insurance industry. These guide students' development of professional competencies through coursework, independent projects and opportunities outside of the classroom, while remaining firmly based on a strong foundation of scholarly technical work in actuarial science. The program emphasizes broad awareness and appreciation of current issues faced by insurance industry practitioners as well as innovative resolutions provided by actuaries.

Actuaries must pass a series of intensive professional exams to become credentialed, and this degree program prepares students for these credentialing exams.

## Degree Requirements:

Required Core (6 credit hours)

ACT 560 Advanced Data Analytics in Insurance I (3)

ACT 561 Advanced Data analytics in Insurance II (3)

Electives or Research (21 credit hours)

Culminating Experience (3 credit hours)

ACT 593 Applied Project (3)

Additional Curriculum Information

For electives and research, students select seven courses from an approved list. Students should see the academic unit for the approved course list. Other courses may be used with approval of the academic unit.

Only 6 credit hours of 400 -level coursework will be allowed on the plan of study per Graduate College policy.

## Admission Requirements:

An applicant must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree (or equivalent) or master's degree from a regionally accredited college or university in a related field such as mathematics, statistics, business, economics and predictive analytics.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- GRE scores
- two letters of recommendation
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should have completed the following courses with a "B" or better (scale is $4.00=$ "A"). ASU equivalents are given in parenthesis. Courses may be substituted with approval of the academic unit.

Linear Algebra (MAT 342 or MAT 343)

Calculus Sequence 1-3 (MAT 270, 271, and MAT 272)

Applied Statistics (STP 420)

Advanced Calculus (MAT 370 or MAT 371)

## Contact Information:

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/admission/graduate-admission
WXLR 216
grad.math@asu.edu
480-965-3951

## African Studies (certificate), Certificate (LAAFRICACE)

Online Degree Search Title: African Studies (Graduate Certificate)
Campus: Tempe

## Program Description:

Students pursuing this certificate in African studies gain access to an extensive range of information and systematic knowledge committed to the new model of African and African diaspora studies that focuses on the intersections of race, culture and gender with transdisciplinary perspectives.

As this certificate program offers students an international dimension to the study of peoples and cultures of African descent, students will invigorate their knowledge about global issues and further expand their research pursuits. This certificate program characterizes the faculty members' intellectual and research strengths and the curriculum's transdisciplinary strategies and research approaches that highlight the continuities and disjuncture of history and experiences throughout Africa and the diaspora

## Degree Requirements:

18 credit hours.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Students who are not regularly admitted to a graduate degree program may still pursue the certificate.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program. When applicable, applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in a master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Official copies of transcripts must be submitted from all college and universities where the applicant earned a bachelor's or master's degree.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/graduate-certificates
WILSN 125
SSTgraduate@asu.edu
480-965-7682

## American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)

Online Degree Search Title: American Indian Studies (Cultural Resource Revitalization and Sust), MS
Campus: Tempe

## Program Description:

The MS in American Indian studies is a transdisciplinary program that results in an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge. Students acquire problem-solving skills useful in a range of professional arenas, including governmental, private and nonprofit agencies. The focus of this curriculum is on languages, cultures, arts, activism, histories, legal policy and education from an American Indian studies paradigm perspective. Delivery is mainly through in-person courses.

The cultural resource revitalization and sustainability concentration explores the development and implementation of American Indian-focused cultural resources management processes and analyze how policies and laws can improve or hinder the protection of American Indian cultural and funerary patrimony.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core ( 9 credit hours)
AIS 501 American Indian Studies Paradigms (3)
AIS 502 American Indian Studies Research Methods (3)
AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)
AIS 599 or AIS 580 Thesis or Applied Project (6)

Additional Curriculum Information

Students may select a thesis or nonthesis option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students will complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should visit https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency) for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
American Indian Studies Program
https://americanindian.clas.asu.edu
DISCVRY 356
aisgradadvising@asu.edu
480-965-3634

## American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)

Online Degree Search Title: American Indian Studies (Indigenous Rights and Social Justice), MS
Campus: Tempe

## Program Description:

The MS in American Indian studies is a transdisciplinary program that provides students with an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge. Students acquire problem-solving skills in a range of professional arenas, including governmental, private and nonprofit agencies. The program focuses on languages, cultures, the arts, activism, histories, legal policies and education from an American Indian studies paradigm and perspective. Delivery is in-person courses.

The indigenous rights and social justice concentration explores the historical dimensions of colonization on American Indian political, economic and cultural institutions. Students will analyze the legal, political and social implications of American Indian relationships with federal, state and local governments and investigate processes that American Indian nations and community members use to strategize and work toward social justice and Indigenous rights.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with American Indian Studies, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core (9 credit hours)
AIS 501 American Indian Studies Paradigms (3)
AIS 502 American Indian Studies Research Methods (3)
AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)
AIS 580 Practicum (6) or
AIS 599 Thesis (6)

Additional Curriculum Information
Students may select a thesis or nonthesis option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students will complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should visit https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency) for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
American Indian Studies Program
https://americanindian.clas.asu.edu
DISCVRY 356
aisgradadvising@asu.edu
480-965-3634

## American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)

Online Degree Search Title: American Indian Studies (Tribal Leadership and Governance), MS
Campus: Tempe

## Program Description:

The MS in American Indian studies is a transdisciplinary program that provides students with an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge. Students acquire problem-solving skills useful in a range of professional arenas, including governmental, private and nonprofit agencies. The program focuses on languages, cultures, arts, activism, histories, legal policy and education from an American Indian studies paradigm and perspective. Delivery is through in-person courses.

The tribal leadership and governance concentration explores traditional and modern concepts of Indian education leadership, tribal government leadership, tribal governments, decision-making and legislation, constitutional reform, planning, economic development, community development, nation rebuilding, tribal courts, administration and planning.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with Public Administration - Downtown Phoenix, MPA

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's
degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with American Indian Studies, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core (9 credit hours)
AIS 501 American Indian Studies Paradigms (3)
AIS 502 American Indian Studies Research Methods (3)
AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)
AIS 580 Practicum (6) or
AIS 599 Thesis (6)

Additional Curriculum Information
Students may select a thesis or nonthesis option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students will complete an applied project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should visit https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency) for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
American Indian Studies Program
https://americanindian.clas.asu.edu
DISCVRY 356
aisgradadvising@asu.edu
480-965-3634

## American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)

Online Degree Search Title: American Indian Studies (Visual and Oral Culture), MS
Campus: Tempe

## Program Description:

The MS in American Indian studies is a transdisciplinary program that results in an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge. Students gain problem-solving skills in a range of professional arenas, including governmental, private and nonprofit agencies. The program focuses on the languages, cultures, arts, activism, histories, legal policy and
education from an American Indian studies perspective. Delivery is through in-person courses.

The visual and oral culture concentration explores and contributes to American Indian culture and history as it exists in visual, material and written forms through creative writing, literature, poetry, film, photography, performing arts, digital arts, oral tradition, and history and communication from an American Indian studies paradigm.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

Required Core ( 9 credit hours)
AIS 501 American Indian Studies Paradigms (3)
AIS 502 American Indian Studies Research Methods (3)
AIS 503 Contemporary Issues of American Indian Nations (3)

Concentration (9 credit hours)

Electives (6 credit hours)

Culminating Experience (6 credit hours)
AIS 580 Practicum (6) or
AIS 599 Thesis (6)

Additional Curriculum Information
For concentration and electives options, students should see the academic unit for approved courses.

Students will select a thesis or nonthesis option. Both are research projects, but the applied project is more applied in nature. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctoral degree. Nonthesis students will complete a practicum project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial-level position within an organization or agency.

The required core classes emphasize the knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, Indigenous rights and social justice, cultural resource revitalization, and sustainability or tribal leadership and governance.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as history, justice studies, sociology, ethnic studies, anthropology, political science or education.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should visit https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency) for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
American Indian Studies Program
https://americanindian.clas.asu.edu
DISCVRY 356
aisgradadvising@asu.edu
480-965-3634

## American Media and Popular Culture, MAS (LAAMPCMAS)

Online Degree Search Title: American Media and Popular Culture, MAS
Campus: Online

## Program Description:

The MAS program in American media and popular culture features innovative approaches to the study of film, television and digital media using historic methods, critical theory and creative expression as modes of analysis. Delivered exclusively online, the program explores the aesthetic, industrial, social and cultural dimensions of American media production within a dynamic, interactive and flexible learning environment. Working professionals and lifelong learners conclude the program with a critical media education across a wide range of texts and platforms, guided by a faculty that includes noted media scholars, critics and filmmakers. The program is designed to be completed in two years.

## Degree Requirements:

30 credit hours including the required applied project course (FMS 593).

Required Core ( 9 credit hours)

Electives (21 credit hours)

Culminating Experience (0 credit hours)
written comprehensive exam

Additional Curriculum Information
The program consists of nine credit hours of core courses, 21 credit hours of electives and a written comprehensive exam. Students should review the webpage and then consult the director.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- letters of recommendation (optional)
- application essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

The two-page statement should describe past academic work, reasons for pursuing the MAS, and the skills that prepare the applicant for this degree.

Applicants will be asked to write and submit a three-page essay that assesses their knowledge of media theory and critical analysis skills. The subject of the essay will be given in the online application. Applicants should demonstrate the ability to write well and construct a persuasive critical argument. Appropriate secondary sources should be used in this essay. While letters of recommendation are optional, applicants may include two or three letters in their application.

Recommenders should be former teachers or supervisors, addressing the applicant's academic performance, motivation and character.

An interview via Skype may be requested before final admission decisions are made.

## Contact Information:

Department of English
https://english.clas.asu.edu/node/250
RBH 125
enggrad@asu.edu
480-965-3194

## American Studies, MA (LAAMSTMA)

Online Degree Search Title: American Studies, MA
Campus: Tempe

## Program Description:

American studies is constituted by a multi- and transdisciplinary inquiry into the communities and cultures, values and ideologies, and social formations and institutions of the United States. American studies scholars seek to evaluate the processes and ideas that inform this country and its influences upon other cultures and communities, domestically and abroad.

While the array of disciplines spans the arts, humanities, and social sciences, the expertise of our faculty at ASU covers a broad range of historical, literary and media studies, as well as interdisciplinary and community-based approaches. The master's degree students are trained to expand their understanding of the history of American cultures and social conditions while learning the critical contexts for understanding contemporary trends in North America. The master's degree provides students with an advanced analytic foundation in American culture and society in all its variety and complexity.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (AMS 593).

Required Core (3 credit hours)
AMS 502 American Studies: Theory and Method (3)

Electives or Research (21-24 credit hours)

Culminating Experience (3 or 6 credit hours)
AMS 593 Applied Project (3) or
AMS 599 Thesis (6)

Additional Curriculum Information
For electives or research, students should see the academic unit for the approved course list. Students choose 21 credit hours for the thesis option or 24 for the applied project option.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants holding a bachelor's or master's degree in American studies or a closely related field are preferred.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- writing sample
- curriculum vitae
- two letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The history program requires a TOEFL score of at least 600 (PBT) or 90 (iBT).

The writing sample may be an article (published or unpublished), a research paper, a seminar paper, or any other extended sample of expository skill. A minimum of 4,000 to 5,000 words is required. The document should not be password protected.

The statement of purpose should be addressed to the American Studies Graduate Studies Committee. It must explain the applicant's scholarly background and training, career goals, the area of study the applicant wishes to pursue, and why the applicant wants to pursue graduate study at ASU. It must be about 500 words in length.

Two references are required. Applicants should contact faculty or professional supervisors they intend to use for references prior to listing them on the application, and inform the intended recommenders that they will be receiving an email from the ASU American studies program asking them to complete a questionnaire and provide comments on the applicant's suitability for graduate study. Updated email addresses for references should be confirmed before submitting them on the application. References from family members or relations are not recommended.

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/content/american-studies-ma
COOR 4595
SHPRSGradinfo@asu.edu
480-965-5778

## Animal Behavior, PHD (LAANBPHD)

Online Degree Search Title: Animal Behavior, PhD
Campus: Tempe

## Program Description:

The PhD in animal behavior is a transdisciplinary graduate degree program that provides doctoral-level training in mechanistic and functional approaches to understanding behavior in a variety of animal taxa.

The study of behavior is at the interface of several scientific disciplines, including physiology, ecology and evolution. This program offers the diverse but specialized array of skills and knowledge needed to produce excellent research in animal behavior.

Graduates will gain knowledge and skills with applied scientific value in areas such as veterinary science and mental and behavioral health in humans. The ecological focus of the program feeds into valley, state and global priorities in biological conservation and ecosystem sustainability.

## Degree Requirements:

84 credit hours, a prospectus and a dissertation.

Required Core (8 credit hours)
ANB 601 Research Strategies in Animal Behavior (4)
ANB 602 Current Issues in Animal Behavior (4)

Electives (21 credit hours)
The department and the student's advisor will determine these courses in conjunction with the student.

Research (43 credit hours)

Culminating Experience (12 credit hours)
dissertation (12)

Additional Curriculum Information
Core courses ANB 601 and ANB 602 are 1 credit-hour courses, each taken 4 times.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related discipline, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admissions application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

GRE scores of 50 percent verbal and 70 percent quantitative are desired.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Anthropology, PHD (LAANTHRPHD)

Online Degree Search Title: Anthropology, PhD
Campus: Tempe

## Program Description:

The School of Human Evolution and Social Change is an excellent choice for students interested in pursuing a PhD in the classic fields of anthropology:

- archaeology
- bioarchaeology
- evolutionary anthropology
- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. The flexible graduate curricula are designed to encourage students to design innovative plans of study in order to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics
- chemistry
- environmental economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but also to finding solutions to humankind's greatest challenges.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hours required for the doctorate. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (scale is $4.00=$ " A ") average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Undergraduate coursework in anthropology is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Applicants also may submit with their application materials an optional scholarly writing sample not to exceed 20 to 30 double-spaced pages.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu/
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)

Online Degree Search Title: Anthropology (Complex Adaptive Systems Science), PhD
Campus: Tempe

## Program Description:

The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the classic fields of anthropology:

## - archaeology

- bioarchaeology
- evolutionary anthropology
- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. The flexible graduate curricula are designed to encourage students to design innovative plans of study to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics
- chemistry
- environmental economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but to finding solutions to humankind's greatest challenges.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate degree program. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation ( 54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctoral degree program.

All students must maintain an average GPA of 3.20 (scale is $4.00=$ " A ") in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in complex adaptive systems science, 12 credit hours will be selected from an approved list of applicable courses related to complexity.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study and they typically will have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Undergraduate coursework in anthropology is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu/
SHESC 233
shesc.grad@asu.edu

## Anthropology (Urbanism), PHD (LAURBPHD)

Online Degree Search Title: Anthropology (Urbanism), PhD
Campus: Tempe

## Program Description:

The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the classic fields of anthropology:

- archaeology
- bioarchaeology
- evolutionary anthropology
- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. The flexible graduate curricula are designed to encourage students to design innovative plans of study to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics
- chemistry
- environmental economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but to finding solutions to humankind's greatest challenges.

The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate. This leaves 30 credit hours of coursework, 12 hours of research credit and 12 hours of dissertation credit ( 54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (scale is $4.00=$ " A ") average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in urbanism, 15 credit hours will be selected from an approved list of applicable courses related to urbanism. These courses will include the core urbanism course, GCU 516, as well as one course from each of the four urbanism clusters. These clusters are:

- built form
- culture and society
- institutions and governance
- natural environment


## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Undergraduate coursework in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Applicants may submit an optional scholarly writing sample, not to exceed 20-30 double-spaced pages, to be included in their application materials.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu/
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Applied Behavior Analysis, MS (LAAPBAMS)

Online Degree Search Title: Applied Behavior Analysis, MS
Campus: Tempe

## Program Description:

Offered by the Department of Psychology, this MS program in applied behavior analysis is a full-time, scientifically based, two-year program that meets the Behavior Analyst Certification Board fourth edition task list for coursework with more than 270 classroom hours and 1,500 hours of practicum fieldwork. Successful graduates will be able to sit for BACB certification and once certified, they will be eligible for state-licensure. The program's learning outcomes include mastery across three major areas as identified by the BACB: basic behavior-analytic skills, client-centered responsibilities and foundational knowledge.

Applied behavior analysis training in the Department of Psychology at ASU includes supervised experience and instruction in:

- behavior analytic attitudes such as determinism, empiricism and parsimony
- fundamental elements of behavior change and behavior change procedures
- identification, assessments and interventions for behavioral excesses, deficiencies and challenging behavior
- professional ethics and conduct of ABA
- training others in the science and practice of ABA
- use of different behavioral measurement types and systems
- use of experimental designs to determine relationships among and between measurement, relevant variables and behavior


## Degree Requirements:

42 Credit hours including the required applied project course (PSB 593).

Required Core ( 24 credit hours)
PSB 501 Basic Principles of Applied Behavior Analysis (3)
PSB 510 Basic Principles of Experimental Analysis of Behavior (2)
PSB 511 Advanced Research Methods (2)
PSB 520 Ethical Issues and Professional Standards in Applied Behavior Analysis (3)
PSB 530 Behavioral Observation and Functional Assessment (3)
PSB 540 Development of Applied Behavioral Intervention Programs (3)
PSB 563 Basic Principles of Organizational Behavior Management (2)
PSB 573 Advanced Principles of Learning and Analysis of Behavior (3)
PSB 578 Applied Behavior Analysis in Developmental Disorders (3)

Electives or Research (4 credit hours)
PSB 591 Seminar (2)
PSB 598 Special Topics (2)

Other Requirements (9 credit hours)
PSB 580 Practicum: Applied Behavior Analysis (4)
PSB 583 Fieldwork: Applied Behavior Analysis (5)

Culminating Experience (5 credit hours)
PSB 593 Applied Project (5)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in psychology, human development, sociology or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- SlideRoom application and fee
- official transcripts
- statement of purpose form
- applicant response form
- curriculum vitae or resume
- GRE scores
- two academic letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The Department of Psychology application process is completed online through ASU's Graduate Admission Services which includes the application form and official transcripts. Application to the Department of Psychology Master of Science program in applied behavioral analysis is also completed via SlideRoom to process supplemental application materials. The SlideRoom account requires an additional fee. To apply to the program, students must follow the instructions on the applied behavioral analysis admission checklist.

It is strongly recommended that applicants download and print the Master of Science in applied behavioral analysis admission checklist to ensure completion of the application process and inclusion of all the required supplemental forms.

The statement of purpose form should describe professional and academic aspirations.

Applicants must submit two academic letters of recommendation, one of which should be from a tenure-track faculty member associated with the applicant's most recent degree program. If the applicant's graduation year is greater than five years from the application date, then a letter from a recent or current employer may be substituted.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of Psychology
https://psychology.clas.asu.edu/content/applied-behavior-analysis-ms
PSY 243
msabapsych@asu.edu
480-727-5024
Applied Linguistics, PHD (EDAPLPHD)
Online Degree Search Title: Applied Linguistics, PhD
Campus: Tempe

Applied linguistics combines research topics in the linguistics sciences and education to pursue principled approaches to language-related concerns. The applied linguistics PhD program at Arizona State University is focused on simultaneous and developmental bilingualism in children and adolescents. Faculty participate in the program from within multiple curricular units across the institution's four campuses. The program encourages transdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most. The program prepares students for entrance into the field as teachers, scholars and professionals.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Foundation Coursework (18 credit hours)
Overview of the Field: A three-credit course providing a survey of the field of applied linguistics is required. (3)
Linguistics: Coursework in theoretical linguistics, including one approved linguistics elective, is required. (15)

Teaching Internship (1 credit hour)

Colloquia (8 credit hours)
A four-semester sequence of two-credit colloquium meetings is required for students in the first two years.

Research Methods (6 credit hours)
Students must take two courses in research methods, selected in consultation with the advisor.

Research Specialization (33 credit hours)
In consultation with the program director, students take 11 three-credit courses in their field of specialization.

Breadth (6 credit hours)
Two courses in a secondary concentration area are required.

Dissertation (12 credit hours)

Additional Curriculum Information
An oral defense of the dissertation is required.

There must be a minimum of 54 credit hours beyond the master's degree level, including a minimum of 12 units of dissertation credit. All students in the program must satisfy 18 credit hours of foundation coursework.

Because applied linguistics is transdisciplinary in nature, applicants may differ from one another with regard to their prior experience and preparation. For instance, while some applicants may have substantial prior training in core theoretical linguistics (foundations) others may have considerable preparation in an area related to a supported concentration. Students should consult the program director for assistance in planning their degree programs. The program director may address potential redundancies in a student's program requirements with prior academic preparation by allocating a maximum of 30 credit hours from an awarded and approved graduate degree toward the applied linguistics program requirements, or the director may permit the student to take additional elective courses in lieu of introductory courses covered in an undergraduate program.

Language Requirement: Students in the applied linguistics doctoral program must demonstrate proficiency in a second language equivalent to two years of study. A language appropriate to the student's area of interest is selected in consultation with the advisor. The language requirement must be satisfied, by examination or coursework, prior to advancement to candidacy. Computer or other nonhuman languages may not be used to satisfy this requirement. Students for whom English is a second language may use their first language to satisfy the requirement by examination. Course credit used to satisfy the language requirement cannot be used to satisfy other program requirements and cannot be counted toward the total required 84 credit hours.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- GRE general test scores
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/node/242
RBH 125
enggrad@asu.edu
480-965-3194

## Applied Mathematics, PHD (LAAPMPHD)

## Online Degree Search Title: Applied Mathematics, PhD

Campus: Tempe

## Program Description:

This PhD program in applied mathematics is intended for students with superior computational and mathematical modeling ability. It emphasizes a solid mathematical foundation and promotes creative scholarship in an application discipline. The School of Mathematical and Statistical Sciences at Arizona State University has faculty in applied mathematics with outstanding transdisciplinary research programs with strong external funding.

Current research interests include mathematical epidemiology and mathematical ecology, mathematical neuroscience, environmental fluid dynamics and high performance computing, imaging and inverse problems, supply chain dynamics, control and optimization, computational methods for ordinary and partial differential equations, analysis of differential equations, and geophysical and environmental fluid dynamics.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Five core courses (15)
MAT 591 Seminar (3)
MAT 799 Dissertation (12)

Students must pass a written comprehensive examination and an oral dissertation prospectus. Each student must write a dissertation and defend it orally in front of five dissertation committee members. Students should see the department website for examination information.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, applied mathematics, economics, engineering or a natural science from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- resume
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Additional eligibility requirements include:

- be competitive in an applicant pool as evidenced by coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371)
- have scientific programming skills (desirable)


## Contact Information:

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR A216
grad.math@asu.edu
480-965-3951

## Applied Mathematics for the Life \& Social Sciences, PHD (LAAMLPHD)

Online Degree Search Title: Applied Mathematics for the Life and Social Sciences, PhD
Campus: Tempe

## Program Description:

The PhD program in applied mathematics for the life and social sciences focuses on training researchers to analyze scientific questions at the intersection of the mathematical, life and social sciences. Graduates of the program will be making innovative and far-reaching scientific contributions that rely on cutting-edge computational mathematical and modeling approaches. This program focuses on producing quantitative scientists and applied mathematicians conducting high-level, transdisciplinary research. The faculty includes mathematicians, statisticians, theoretical biologists and social scientists from five different schools at Arizona State University.

There is a high demand for first-rate scientists, researchers and faculty interested in meeting the challenges faced by communities in the 21 st century. Institutional research and planning programs create space and opportunity to address such challenges on a global scale. The health, environmental and natural resource challenges in Arizona and the nation are urgently in need of a large pool of researchers with these transdisciplinary skills.

There are three tracks a student can follow. Applied mathematics is a more in-depth focus on the tools applied to the life and social sciences such as dynamical systems, computational and numerical methods, simulation and mathematical analysis. Life sciences focuses on understanding the tools for representing the structure and operation of complex biological and ecological processes. Social sciences focuses on understanding the tools for representing the structure and operation of complex social systems and processes.

By offering courses that enhance transdisciplinary exchanges and collaboration among the faculty and students interested in addressing questions of social relevance, the program builds upon foundations already established in:

- bioinformatics
- computational sciences
ecology
- genomics
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science fields


## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate degree. This leaves 30 credit hours of coursework, 12 credit hours of research credit and 12 hours of dissertation credit ( 54 credit hours total) to be earned post-admission.

Students entering the program without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing in the later stage of the doctoral program.

All students must maintain a 3.20 (scale is $4.00=$ "A") average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

All students are required to complete a sequence of core courses. The core competencies consist of:

- core math skills
- deterministic modeling or computational methods
- math biology
- statistics and probability
- stochastic modeling


## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. A master's degree in the social sciences (e.g., anthropology, gender studies, geography, sociology), life sciences or related fields (e.g., biology, ecology, genomics), applied mathematics, mathematics or statistics is preferred.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
personal statement outlining educational and professional goals
current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample of 20 to 30 double-spaced pages, to be included in their application materials.

Prior to admission, students should have completed, at the undergraduate junior or senior level, a minimum of the following:

- 15 credit hours of mathematics or statistics
- nine credit hours of life sciences and social sciences coursework at the senior or college graduate level
- no fewer than three credit hours each of life sciences and social sciences coursework


## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Applied Mathematics for the Life and Social Sciences (Complex Adaptive Systems Science), PHD (LAAMLCPHD)

Online Degree Search Title: Applied Math for the Life and Social Sciences (Complex Adaptive Sys Science), PhD Campus: Tempe

## Program Description:

The PhD program in applied mathematics for the life and social sciences focuses on training researchers to analyze scientific questions at the intersection of the mathematical, life and social sciences.Graduates of the program will be making innovative and far-reaching scientific contributions that rely on the cutting-edge computational mathematical and modeling approaches. This program focuses on producing quantitative scientists and applied mathematicians who conduct high-level transdisciplinary research. The program's faculty include mathematicians, statisticians, theoretical biologists and social scientists from five different schools at Arizona State University.

There is a high demand for first-rate scientists, researchers and faculty interested in meeting the challenges faced by communities in the 21 st century. Institutional research and planning programs create space and opportunity to address such challenges on a global scale. The health, environmental and natural resource challenges in Arizona and the nation are urgently in need of a large pool of researchers with these transdisciplinary skills.

There are three tracks a student can follow. Applied mathematics is a more in-depth focus on the tools applied to the life and social sciences, such as dynamical systems, computational and numerical methods, simulation and mathematical analysis. Life sciences focuses on understanding the tools for representing the structure and operation of complex biological and ecological processes. Social sciences focuses on understanding the tools for representing the structure and operation of complex social systems and processes.

By offering courses that enhance transdisciplinary exchanges and collaboration among the faculty and students interested in addressing questions of social relevance, the program builds upon foundations already established in:

- bioinformatics
- computational sciences
- ecology
- genomics
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science fields

The complex adaptive systems science concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post-admission

Students entering the program without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctoral program

All students must maintain a 3.20 (scale is $4.00=$ "A") average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in complex adaptive systems science, six credit hours will be selected from an approved list of applicable courses related to complexity.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and students typically will have a member of the complex adaptive system science graduate faculty as a member of their doctoral supervisory committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. A master's degree in the social sciences (e.g., anthropology, sociology, gender studies or geography), life sciences or related fields (e.g., biology, genomics or ecology), applied mathematics, mathematics or statistics is preferred.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample of 20 to 30 double-spaced pages, to be included in their application materials.

Prior to admission, students should have completed at the undergraduate junior or senior level a minimum of the following:

- 15 credit hours of mathematics or statistics
- nine credit hours of life sciences and social sciences coursework at the senior or college graduate level
- no fewer than three credit hours each of life sciences and social sciences coursework


## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Asian Languages and Civilizations (Chinese), MA (LACHINAMA)

Online Degree Search Title: Asian Languages/Civilizations (Chinese), MA
Campus: Tempe

## Program Description:

The Chinese graduate program in the School of International Letters and Cultures offers an MA degree with a focus in one of two areas:

- literature, linguistics, religion and culture
- pedagogy

A focus on literature, linguistics, religion and culture prepares students for further academic training, for entrance to professional schools in such fields as law, business, journalism and translation, and for a general level of knowledge about the languages and cultures of China as an asset to a professional career. The pedagogy focus is intended for students whose major interest is in teaching modern Chinese in K-16 environments.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course ( CHI 593 ).

The plan of study for the master's degree includes a minimum of 30 credit hours of graduate-level work as approved by the candidate's supervisory committee, a thesis or an applied project option. The plan must include a 500-level bibliography and research methods course offered by the department. When approved by the candidate's supervisory committee, nine credit hours of advanced-level work in another language or in closely related courses may be included in the plan. Students who are primarily interested in teaching at the secondary or community college levels may select a plan of study with a focus in language pedagogy.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Chinese or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The writing sample should represent the applicant's thinking and writing skills on a topic connected with Chinese culture.

Candidates for the master's degree should present the equivalent of an undergraduate major in Chinese upon entrance to the program. Those who lack this background but who show strong potential and meet the Graduate College admission requirements, including those with regard to English proficiency, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular plan of study for the master's degree.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/77
LL 440
silc@asu.edu
480-965-6281

# Asian Languages and Civilizations (Japanese), MA (LAJAPANMA) 

Online Degree Search Title: Asian Languages/Civilizations (Japanese), MA
Campus: Tempe

## Program Description:

The Asian languages faculty in the School of International Letters and Cultures offer a graduate program leading to an MA in Asian languages and civilizations with a concentration in Japanese. In addition to preparing some students for further academic training, the program helps to prepare students for jobs relating to Japan (in fields such as law, business, journalism and translation) and for entrance into professional schools. Students who see higher-level understanding of the language and culture Japan as a valuable asset to a professional career are an ideal fit for this program, as are students who want to pursue doctoral studies in the same or a closely related field.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (JPN 593)

The plan of study for the Master of Arts includes a minimum of 30 credit hours of graduate-level work and a thesis, as approved by the candidate's supervisory committee, or 27 credit hours of coursework and three credit hours of applied project. The plan must include a 500-level bibliography and research methods course offered by the department. When approved by the candidate's supervisory committee, nine hours of advanced-level work in another language or in closely related courses may be included in the plan.

Students who are primarily interested in teaching at the secondary or community college levels may select a plan of study with an area of study in language pedagogy. Students seeking a master's degree in Asian languages and civilization should consult their Graduate College representative. In keeping with the idea of in-situ experience as a key ingredient for advanced intellectual understanding, all degree candidates must have spent at least nine continuous months in a Japanese language environment within four years of entering the program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in Japanese or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
personal statement
- resume
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The writing sample should represent the applicant's thinking and writing skills on a topic connected with Japanese culture. The personal statement should highlight the applicant's motivations and skills and indicate why they are interested in the Japanese graduate program. Candidates for the program should present the equivalent of an undergraduate major in Japanese upon entrance to the program. Those who lack this background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a conditional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular plan of study for the master's degree.

Students should see the School of International Letters and Cultures website for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/74
LL 440
silc@asu.edu
480-965-6281

## Asian Studies (certificate), Certificate (LAASIANCE)

Online Degree Search Title: Asian Studies (Graduate Certificate)
Campus: Tempe

## Program Description:

The graduate certificate program in Asian studies offers graduate students a transdisciplinary specialization in Asian language and area studies. The certificate is available in two tracks: the East Asia track that includes China, Japan and Korea; and the Southeast Asia track that includes Burma, Laos, Thailand, Vietnam, Malaysia, Singapore, Indonesia, the Philippines, Brunei and Timor Leste.

## Degree Requirements:

18 credit hours.

Required Core (6 credit hours)
two courses at the 500 level or above dealing with Asian content from a single discipline

Electives ( 6 credit hours)
two courses at the 500 level or above dealing with Asian content from a discipline other than that chosen for the core courses

Other Requirements (6 credit hours)
language proficiency requirement: two courses at the 400 level or above in one Asian language (Chinese, Indonesian, Japanese, Korean, Thai, Vietnamese)

Culminating Experience ( 0 credit hours)
a thesis or capstone project on a topic related to the student's region of emphasis and selected in consultation with the student's faculty mentor

Additional Curricular Information
Students work closely with a faculty advisor from the Center for Asian Research to develop a cohesive curriculum tailored to their individual goals and interests.

Some of the coursework from the discipline in which the student is earning a graduate degree may be used to satisfy these requirements.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Graduate students currently enrolled in any discipline may pursue a certificate in Asian studies in conjunction with their degree program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.For more information, please visit https://students.asu.edu/graduate/proficiency. (//students.asu.edu/graduate/proficiency.)

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://car.clas.asu.edu/certificate-programs/
COOR 6651
car@asu.edu
480-727-3766

## Astrophysics, PHD (LAASTPHPHD)

Online Degree Search Title: Astrophysics, PhD
Campus: Tempe

## Program Description:

The PhD program in astrophysics is designed to develop creative scholarship and prepare students for professional careers in astrophysics, astronomy or related fields

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (51 credit hours)

Other Requirements (20 credit hours)*
AST 521 Stars and Interstellar Medium I (3)
AST 522 Stars and Interstellar Medium II (3)
AST 523 Stars and Interstellar Medium III (3)
AST 531 Galaxies and Cosmology I (3)
AST 532 Galaxies and Cosmology II (3)
AST 533 Galaxies and Cosmology III (3)
AST 591: Seminar: Topic (1)
SES 501: SESE Colloquium (1)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree.
*Substitutions for Other Requirements may be made per departmental approval.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- scores on the general GRE
- scores on the physics GRE
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should see the program website for application deadlines.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-grad@asu.edu
480-965-5081

## Astrophysics and Astronomy, MS (LAASTPHMS)

Online Degree Search Title: Astrophysics and Astronomy, MS
Campus: Tempe

## Program Description:

The MS program provides fundamental graduate training in astrophysics and astronomy. It prepares candidates for further graduate study or for careers in related fields such as scientific staff positions at government laboratories, teaching at the community college level and technical positions in industry.

## Degree Requirements:

30 credit hours and a thesis.

Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (3 credit hours)

Other Requirements ( 20 credit hours)
AST 521 Stars and Interstellar Medium I (3)
AST 522 Stars and Interstellar Medium II (3)
AST 523 Stars and Interstellar Medium III (3)
AST 531 Galaxies and Cosmology I (3)
AST 532 Galaxies and Cosmology II (3)
AST 533 Galaxies and Cosmology III (3)
AST 591 Seminar: Topic (1)
SES 501 SESE Colloquium (1)

Culminating Experience (6 credit hours)
SES 599 Thesis (6)

Additional Curricular Information
For other requirement courses, substitutions may be made per department approval.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- scores on the general GRE
- scores on the physics GRE
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

Contact Information:
Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-grad@asu.edu
480-965-5081

## Atmospheric Science (certificate), Certificate (LAATMOSCE)

Online Degree Search Title: Atmospheric Science (Graduate Certificate)
Campus: Tempe

## Program Description:

The transdisciplinary certificate program in atmospheric science is administered by an executive committee composed of faculty from the Ira A. Fulton Schools of Engineering and the College of Liberal Arts and Sciences. The objective of this program is to recognize Arizona State University graduate students who complete a dissertation on a topic related to the atmospheric or oceanic sciences under the supervision of a faculty member from one of the cooperating departments.

## Degree Requirements:

16 credit hours.

A minimum of 16 credit hours will be required in order to qualify for the atmospheric science certificate, consisting of:
three three-credit-hour courses from a list of courses in the core disciplines (9) two three-credit-hour courses from a list of electives at the 400 level or above (6)
a capstone seminar (1)

Considering the diversity of courses and in order to ensure a transdisciplinary flavor, all prospective recipients will have their certificate program approved by the certificate executive committee. Certificates will only be awarded to students who are enrolled in an MA, MS, MNS or PhD program at ASU. The student's thesis or dissertation must also be related to some aspect of atmospheric science.

The core courses are offered at least once every other year, so the certificate may be completed within two years.

Specific requirements are:
approval by the certificate committee of the student's proposed course selection completion of one course from each of the core disciplines with a grade of " B " $(3.00)$ or better completion of two courses from the list of electives with a grade of "B" (3.00) or better completion of the capstone seminar, which is one credit hour completion of a dissertation on a topic related to the atmospheric or oceanic sciences

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.
or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/graduate-certificates
COOR 5671
geoplan.gradprograms@asu.edu
480-965-7533
Biochemistry, MS (LABIOCHMS)
Online Degree Search Title: Biochemistry, MS
Campus: Tempe

## Program Description:

Students earning an MS degree in biochemistry in the School of Molecular Sciences are trained in the fundamental aspects of the discipline, but most also will choose to learn by joining transdisciplinary teams that work on larger, mission-based contemporary problems in areas such as:

- biogeochemistry
- energy and sustainability
- fundamental chemical biology
- materials and nanoscience
- medicine and health
- structure function and dynamics

The master's degree program in biochemistry in the School of Molecular Sciences provides students with the training they need to solve biological problems at the molecular scale and to contribute to research in current challenging societal issues.

## Degree Requirements:

30 credit hours and a thesis.

500-level or above courses as approved by the school (12)
BCH 501 or CHM 501 Seminar or other seminar course as approved by the school (4)
BCH 592 Research courses (8)
BCH 599 Thesis (6)

Additional Curricular Information
The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. A written thesis is required and must be successfully defended during a public final oral defense. Students must maintain a minimum GPA of 3.00 (scale is $4.00=$ "A") or better.

A program fee in the amount of $\$ 300$ per semester is required in addition to the normal tuition costs.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu/graduate-study
PSD 102
smsgrad@asu.edu
480-965-4664

## Biochemistry, PHD (LABIOCHPHD)

Online Degree Search Title: Biochemistry, PhD
Campus: Tempe

## Program Description:

The PhD program in biochemistry in the School of Molecular Sciences provides students with the training they need to solve biological problems at the molecular scale and to be successful independent scientists who can contribute to current challenging societal issues. Students earning a doctoral degree in biochemistry from the school are fully trained in all fundamental aspects of the discipline, but most also will choose to learn by joining transdisciplinary teams that work on larger, mission-based contemporary problems in areas such as:

- biogeochemistry
- energy and sustainability
- fundamental chemical biology
materials and nanoscience
medicine and health
- structure function and dynamics

Students should visit the prospective student page (https://sms.asu.edu/graduate-study (https://sms.asu.edu/graduate-study)) to learn more about this doctoral program and the graduate research page (https://sms.asu.edu/graduate-study/research (https://sms.asu.edu/graduate-study/research)) to learn more about the cutting-edge, transdisciplinary research being conducted in the school. The doctoral program in biochemistry prepares students for professional careers in industry, government and academia.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Six graduate-level courses (12-18)
Enrollment in a BCH 501/CHM 501 seminar each semester (8)
BCH 792 Research (46-52)
BCH 799 Dissertation (12)

Additional Curriculum Information
The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. Qualifying exams consisting of a written comprehensive exam, an oral comprehensive exam and a prospectus are required to advance to candidacy. Students must successfully defend their dissertation during a public final oral defense. Students must also maintain a minimum GPA of 3.00 (scale is $4.00=$ "A") or better.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

In addition to the admission application, applicants must complete an online supplemental application to the School of Molecular Sciences. The supplemental application will be available 24 to 48 hours after submission of the admission application. The personal statement and contact information for the letters of recommendation will be submitted as part of the supplemental application. Information about the supplemental application can be found on the department's website. Applications lacking a supplemental application will not be reviewed.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu/graduate-study
PSD 102
smsgrad@asu.edu
480-965-4664

## Biochemistry (Medicinal Biochemistry), MS (LABCHMCMS)

Online Degree Search Title: Biochemistry (Medicinal Chemistry), MS
Campus: Tempe

## Program Description:

The faculty in the School of Molecular Sciences offer a program leading to the MS in biochemistry with a concentration in medicinal chemistry. This program is intended for students who plan to continue their educational training in pharmacy or medical school or in a related field and want to expand their background knowledge in biochemistry before beginning their professional education.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biochemistry, BS
Biochemistry (Medicinal Chemistry), BS
Chemistry, BS
Molecular Biosciences and Biotechnology, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required applied project (research paper) course (CHM 593 or BCH 593).

A minimum of 30 credit hours are required, including coursework, seminars, research and an applied project consisting of a written research paper. Courses are selected by students in consultation with their supervisory committee based on the research area.

The Master of Science in biochemistry is awarded when the student has obtained a minimum cumulative GPA of 3.00 (scale is $4.00=$ " A ") in coursework, demonstrated quality performance in the laboratory and completion of the research project, completed and presented an approved research paper at an oral defense to the student's supervisory committee, and met all deadline dates and requirements set by the Graduate College.

A program fee in the amount of $\$ 300$ per semester is required in addition to the normal tuition.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants interested in pursuing the accelerated degree program should review the requirements and submit a pre-application found on the School of Molecular Sciences website prior to submitting a formal Graduate Admission Services application to the degree program.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu/node/9
PSD 102
smsgrad@asu.edu
480-965-4664
Biology, MS (LABIOMS)
Online Degree Search Title: Biology, MS
Campus: Tempe

## Program Description:

This MS program in biology is designed to prepare students for careers in teaching and research in educational, medical, industrial and governmental institutions.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Biomedical Sciences), BS
Biological Sciences (Conservation Biology and Ecology), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Microbiology, BS
Microbiology (Medical Microbiology), BS
Molecular Biosciences and Biotechnology, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis.

Each student's plan is prepared in consultation with the supervisory committee, consisting of a professor in the major and two additional faculty members. A typical plan of study consists of:
research credit (8-14 credit hours)
coursework and additional seminars ( $9-15$ credit hours)
seminar (1 credit hour)
thesis (6 credit hours)

The remainder of the plan of study usually consists of a mixture of coursework, readings, conferences and seminars in the student's primary and related fields, and research credits.

Courses and research credits can be distributed in any combination appropriate to the student's individual educational goals. A final oral examination covering the thesis and related subject matter is administered by the supervisory committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology or a related discipline, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Desired Qualifications:

- GRE scores: 50 percent verbal and 70 percent quantitative
- research experience


## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Biology, PHD (LABIOPHD)

Online Degree Search Title: Biology, PhD
Campus: Tempe

## Program Description:

The biology PhD program offers individualized courses of study tailored to students interests that include laboratory, field and theoretical work. Flexibility in the program is achieved by requiring only one core class, which is a choice between two topics that cover the breadth of the research directions in this program.

Electives are also as flexible as possible and include areas outside of biology. The major goal of this program is to provide opportunities to create an adaptable and general degree that allows both traditional and interdisciplinary approaches in any area of biology.

## Degree Requirements:

84 credit hours, a oral comprehensive exam, a prospectus and a dissertation.

Required Core (3-4 credit hours)
BIO 614 Biometry (4) or
BIO 620 Research Prospectus Writing (3)

Additional Curriculum Information
The program is tailored to the needs of the individual student. The plan of study is developed by the student and a supervisory committee consisting of a major professor and three additional faculty members. The electives credit hours are comprised of coursework showing breadth in biology subdisciplines, seminars and research.

An oral comprehensive examination is required in order to advance to candidacy, and a formal defense of the final written dissertation is required prior to graduation.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology or a related discipline from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Desired Qualifications:

- GRE scores: 50 percent verbal and 70 percent quantitative
- research experience


## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Biology (Biology and Society), MS (LABIOSMS)

Online Degree Search Title: Biology (Biology and Society), MS
Campus: Tempe

## Program Description:

In the biology and society concentration of the MS program in biology, students examine topics where biology intersects with society. The concentration program tailors individual plans of study to individual needs and interests, with a solid grounding in life and related sciences and with a rigorous analytical and interdisciplinary education. Three tracks offer suggested courses for those wishing to focus on these areas: bioethics, policy and law; ecology, economics and ethics of the environment; and history and philosophy of science

The bioethics, policy and law track trains students in the pressing moral, policy and legal issues raised by the biosciences and biomedicine, and in the disciplinary methods necessary to address these issues. Ecology, economics and ethics of the environment trains students in the theory and empirical methods for understanding, analyzing and shaping policy for coupled human-natural systems. The history and philosophy of science track trains students in the conceptual foundations of science, especially the epistemological and methodological assumptions that shape science and its progress.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biological Sciences, BS
Biological Sciences (Biology and Society), BS
Biological Sciences (Conservation Biology and Ecology), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis.
An individual student plan is developed in consultation with the student's advisor and committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- writing sample
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
Students are expected to have completed the equivalent of core requirements for an undergraduate major in biology or a related discipline (typically evolution, genetics and other courses appropriate to the student's particular interests). Students without an undergraduate-level competency in the sciences may be considered for conditional admission to the biology and society concentration.

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

GRE scores of 50 percent verbal and 70 percent quantitative are desired.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Biology (Biology and Society), PHD (LABIOSPHD)

Online Degree Search Title: Biology (Biology and Society), PhD
Campus: Tempe

## Program Description:

In the biology and society concentration of the PhD program in biology, students examine topics with biological and social dimensions that are best understood together, rather than in isolation. The concentration provides plans of study tailored to individual needs and interests. It encompasses a solid grounding in life sciences and related sciences and provides a rigorous analytical and interdisciplinary education. Students may further
specialize in one of four tracks:

Bioethics, policy and law
This track focuses on pressing moral, policy and legal issues raised by biosciences and biomedicine, and on the methods needed to address them.

History and philosophy of science
This track focuses on the conceptual foundations of science, especially the epistemological and methodological assumptions that shape science and its progress.

Ecology, economics and ethics of the environment
This track focuses on the theory and empirical methods for understanding, analyzing and shaping policy that steer us toward a more productive, equitable and sustainable ecological future.

Biology education research
This track focuses on using education research to identify ways to broadly improve undergraduate biology education.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3-4 credit hours)
BIO 614 Biometry (4) or
BIO 620 Research Prospectus Writing (3)

Electives (68-69 credit hours)

Culminating Experience (12 credit hours)
BIO 799 Dissertation (12)

Additional Curriculum Information
An individual student program is developed in consultation with the student's advisor and committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Students are expected to have completed the equivalent of core requirements for an undergraduate major in biology or a related discipline (typically evolution, genetics and other courses appropriate to the student's particular interests). Students without an undergraduate-level competency in the sciences may be considered for conditional admission to the biology and society concentration.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- writing sample
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Desired GRE scores are 50 percent verbal and 70 percent quantitative.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences

## Biology (Complex Adaptive Systems Science), PHD (LABIOCPHD)

Online Degree Search Title: Biology (Complex Adaptive Systems Science), PhD
Campus: Tempe

## Program Description:

The PhD program in biology with a concentration in complex adaptive systems science trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and candidates typically will have a member of the complex adaptive systems science graduate faculty as a member of the doctoral supervisory committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Only students admitted to participating doctoral programs may apply for a complex adaptive systems concentration. A letter of application from the student must be sent to the chair of the complex adaptive systems science graduate faculty. The application will be reviewed by members of the graduate faculty who will make final admission recommendations to the Graduate College.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768
Biomimicry, MS (LABMYMS)
Online Degree Search Title: Biomimicry, MS
Campus: Online

## Program Description:

ASU, in conjunction with Biomimicry 3.8, has developed an MS program designed to empower change agents passionate about a world mentored by life's genius. Graduates work toward innovative and sustainable solutions to pressing global challenges --- like the way business is conducted, buildings and products are designed, governments are run, health care is provided, and goods are manufactured to how future generations will be educated --- inspired by nature's time-tested sustainable solutions developed over the last 3.8 billion years.

The Master of Science program in biomimicry is designed to prepare students to facilitate the practice of biomimicry across corporate, government, education and nongovernment organization sectors. Students will gain biomimicry experience in biome-based applications, business case studies, biological strategy research and in each student's self-designed biomimicry project in the student's chosen career field.

For more information and to view current research, students should visit http://biomimicry.asu.edu/ (http://biomimicry.asu.edu/).

## Degree Requirements:

30 credit hours and a portfolio.

Required Core (13 credit hours)
BMY 501 Essentials of Biomimicry (1)
BMY 502 Life's Principles (4)
BMY 503 Biology Taught Functionally (4)
BMY 504 Biomimicry Thinking (4)

Electives or Research (11 credit hours)

Other Requirements (6 credit hours; choose 3)
BMY 530 Virtual Design Lab Practicum (2)
BMY 580 Topic: BioBrainstorm Practicum (2)
BMY 580 Topic: Biomimicry Case Study Practicum (2)
BMY 580 Topic: Biomimicry Genius of Place Practicum (2)

Culminating Experience
portfolio

Additional Curriculum Information
For electives or research, students should contact the academic unit for the approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- questionnaire (to be filled out and uploaded)
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-biomimicry?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Biomimicry (Certificate), Certificate (LABMYGRCT)

Online Degree Search Title: Biomimicry (Graduate Certificate)
Campus: Online

## Program Description:

The graduate certificate program in biomimicry, the practice of emulating nature's strategies for human designs, is offered at ASU in conjunction with Biomimicry 3.8.

The program is designed to introduce and delve into the core fundamentals of biomimicry, such as biomimicry thinking and life's principles with the intention to apply the knowledge and tools to one's specific interests or discipline. Participants will have the opportunity, through dedicated time and mentorship from instructors, to explore the application of these core fundamentals in their own discipline, field or area of interest during the biomimicry virtual design lab.

Graduates will have the ability to work toward innovative and sustainable solutions within their discipline, drawing upon time-tested sustainable solutions of the last 3.8 billion years.

## Degree Requirements:

15 credit hours and a practicum.

Required Core (13 credit hours)
BMY 501 Essentials of Biomimicry (1)
BMY 502 Life's Principles (4)
BMY 503 Biology Taught Functionally (4)
BMY 504 Biomimicry Thinking (4)

Culminating Experience (2 credit hours)
BMY 530 Virtual Design Lab Practicum (2)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program

Applicants must submit the following:

- graduate admissions application and application fee
- official transcripts
- fill out and upload questionnaire
- curriculum vitae or resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-biomimicry?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

Contact Information:
Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768
Chemistry, MS (LACHEMMS)

Online Degree Search Title: Chemistry, MS
Campus: Tempe

## Program Description:

Students earning an MS degree in chemistry in the School of Molecular Sciences are trained in the foundation disciplines of analytical, organic, physical, inorganic, and environmental chemistry and geochemistry, but most will also choose to learn by joining transdisciplinary research teams that work on larger, mission-based contemporary problems in areas such as:

- energy and sustainability
- frontiers of chemical measurement
- fundamental molecular science
- geologic and biospheric science
- materials and nanoscience
- medicine and health
- structure function and dynamics

The master's degree program in chemistry provides students with the training they need to solve molecular scale problems and to contribute to research in current challenging societal issues.

## Degree Requirements:

30 credit hours and a thesis.

500-level or above courses as approved by the school (12)
BCH 501 or CHM 501 Seminar or other seminar course as approved by the school (4)
CHM 592 Research (8)
CHM 599 Thesis (6)

Additional Curriculum Information
The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. A written thesis is required and must be successfully defended during a public final oral defense. Students must maintain a minimum GPA of 3.00 (scale is $4.00=$ " A ") or better.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry, or closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu/graduate-study
PSD 102
smsgrad@asu.edu
480-965-4664
Chemistry, PHD (LACHEMPHD)

Online Degree Search Title: Chemistry, PhD
Campus: Tempe

## Program Description:

The PhD program in chemistry in the School of Molecular Sciences provides students with the training they need to solve molecular scale problems and to be successful independent scientists who can contribute to current challenging societal issues. Students earning a doctorate in chemistry from the School of Molecular Sciences are trained in the foundation disciplines of analytical, organic, physical, inorganic, environmental or geological chemistry, but most also will choose to learn by joining transdisciplinary research teams that work on larger, mission-based contemporary problems in areas such as:

- energy and sustainability
- frontiers of chemical measurement
- fundamental molecular science
- geologic and biospheric science
- materials and nanoscience
- medicine and health
- structure function and dynamics

Students should visit the prospective student page (https://sms.asu.edu/graduate-study (https://sms.asu.edu/graduate-study)), to learn more about this doctoral program and the graduate research page (https://sms.asu.edu/graduate-study/research (https://sms.asu.edu/graduate-study/research)) to learn about the cutting-edge, transdisciplinary research being conducted in the school. The doctoral program in chemistry prepares students for professional careers in industry, government and academia.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
six graduate-level courses (12-18)
enrollment in a BCH 501 or CHM 501 seminar each semester (8)
CHM 792 Research (46-52)
CHM 799 Dissertation (12)

Additional Curriculum Information
The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research.

Qualifying exams consisting of a written comprehensive exam, an oral comprehensive exam and a prospectus are required to advance to candidacy. Students must successfully defend their dissertation during a public final oral defense.

Students must also maintain a minimum GPA of 3.00 (scale is $4.00=$ "A") or better.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- GRE scores
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

In addition to the admission application, applicants must complete an online supplemental application to the School of Molecular Sciences. The supplemental application will be available 24 to 48 hours after submission of the admission application. The personal statement and contact information for the letters of recommendation will be submitted as part of the supplemental application. Information about the supplemental
application can be found on the School of Molecular Sciences website. Applications lacking a supplemental application will not be reviewed.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu/graduate-study
PSD 102
smsgrad@asu.edu
480-965-4664

## Communication, MA (LACOMMOMA)

Online Degree Search Title: Communication, MA
Campus: Online

## Program Description:

The MA in communication is designed to provide professionals with advanced training in the theory and practice of communication to prepare them for success in their careers and a dynamic job market.

The flexible delivery offers easy access to a rigorous education that delivers instruction in social influence, global communication, best workplaces practices, and more. The program includes a culminating experience that allows students to focus their training in their areas of interest.

## Degree Requirements:

30 credit hours including the required capstone course (COM 550).

Required Core (9 credit hours)
COM 501 Research Methods in Communication (3)
COM 504 Theories and Models in Communication (3)
COM 540 Conducting Communication Research (3)

Other Requirements (18 credit hours)
COM 598 Topic: Communication in the Conflict Transformation (3)
COM 598 Topic: Communication in Gender (3)
COM 598 Topic: Communication and Global Contexts (3)
COM 598 Topic: Communication and Workplace (3)
COM 598 Topic: Social Influence and Persuasion (3)
COM 598 Topic: Training and Development (3)

Culminating Experience (3 credit hours)
COM 550 Capstone (3)

Additional Curriculum Information
For the other requirements section, other courses may be used with the approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in communication or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-communication)

## Contact Information:

Liberal Arts \& Sciences, College of
Hugh Downs School of Human Communication
https://humancommunication.clas.asu.edu
STAUF A412
Suzanne.Atkin@asu.edu
480-321-6068

## Communication, PHD (LACOMMOPHD)

Online Degree Search Title: Communication, PhD
Campus: Tempe

## Program Description:

The graduate faculty members of communication offer a transdisciplinary graduate program leading to the PhD in communication. Areas of emphasis are available in interpersonal, intercultural and organizational communication. This program also provides coursework and resources in rhetoric and performance studies.

The program is housed in the Hugh Downs School of Human Communication and is designed to prepare scholars for research-oriented careers in universities and in the public or private sectors. Students are provided training in communication theory, research methodology, and a specialization in one or more areas of concentration. The goal of the program is to meet the needs of students whose interests transcend traditional disciplinary boundaries as exemplified by participation in our transdisciplinary research initiatives.

## Degree Requirements:

96 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The doctorate requires a minimum of 66 credit hours beyond an appropriate master's degree.

Coursework for a typical plan of study is distributed as follows:
required core courses (6)
area of concentration (36)
COM 792 Research (12)
COM 799 Dissertation (12)

Students are required to demonstrate proficiency in research methods (statistics, computer languages, content analysis methods, interviewing, participant observation, etc.) which, in the judgment of the supervisory committee, is needed for the student's dissertation research.

Students are required to take three credit hours of COM 792 Prospectus/Dissertation Practicum and three credit hours of COM 792 Seminar Assistant.

Students must take at least one of the three advanced methods courses:

COM 607 Contemporary Rhetorical Methods (3)
COM 608 Multivariate Statistical Analysis of Data in Communication (3)
COM 609 Advanced Qualitative Research Methods in Communication (3)

The required theory course is COM 604 Theory Construction in Communication (3).

Two transdisciplinary theory and methodology courses are required of all students in the program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit:

- graduate admission application and application fee
- official GRE scores
- official transcripts
- resume or curriculum vitae
- statement of goals
- three letters of recommendation
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should visit the Hugh Downs School of Human Communication website for further details.

## Contact Information:

Liberal Arts \& Sciences, College of
Hugh Downs School of Human Communication
https://humancommunication.clas.asu.edu
STAUF A412
PHDCOM@asu.edu
480-965-5096
Computer-Assisted Language Learning (Certificate), Certificate (LACALLGRCT)
Online Degree Search Title: Computer-Assisted Language Learning (Graduate Certificate)
Campus: Tempe

## Program Description:

The graduate certificate program in computer-assisted language learning focuses on the application of technology in foreign language teaching and research. It provides the practical, hands-on skills needed to create and evaluate learning and teaching materials with new computer-based technologies. The certificate program teaches students how to use technology effectively to facilitate instructed second-language acquisition and how to develop, manage and maintain a cutting-edge language computing facility. It also provides students with a solid theoretical and pedagogical framework for the integration of technology into the foreign language curriculum and provides them with the tools necessary to teach language courses in either a hybrid or distance-learning environment.

## Degree Requirements:

15 credit hours.

Required Core (6 credit hours)
ENG 557 Computer-Assisted Language Learning (3)
SLC 510 Computer-Assisted Language Learning Praxis (3)

Restricted Electives (3 credit hours)
LIN 520 Second-Language Acquisition Theories (3) OR
SLC 515 Second-Language Acquisition (3)

Electives (6 credit hours)

Additional Curriculum Information
For restricted electives, students may select an approved second language acquisition course equivalent to LIN 520 or SLC 515 with department approval.

## Admission Requirements:

All applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned from a regionally accredited institution a bachelor's or master's degree with a major or minor in foreign language study, English, or English education.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students may apply for admission to the certificate program once they have been accepted into a graduate degree program in the School of International Letters and Cultures or other school or department at ASU.

Applicants must have an undergraduate major in the language they will teach or be native speakers of the language they will teach, or they must have a minor or ASU minor equivalency as determined by SILC policies (18 upper-division credit hours, including at least three credit hours from the 400 level in their undergraduate program). Current graduate student applicants who do not meet the language requirements must be enrolled in a foreign language graduate program, the Teaching English to Speakers of Other Languages program, an applied linguistics graduate program, or a closely related field (determined by the directors). A teaching certification is not required as this certificate program is open to graduate students with an interest in computer-assisted language learning and who meet the admission requirements.

Applicants must have completed an introduction to linguistics or applied linguistics course at the time of application (to be verified by the certificate directors). The course does not count toward the 15 credit hours required for the certificate.

Applicants must complete a language teaching methods course (to be verified by the certificate directors.) This course also may be taken at ASU prior to completion of the certificate program. The course does not count toward the 15 credit hours required for the certificate.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/
LL 62A
silc@asu.edu
480-965-6281

## Creative Writing, MFA (LACWRITMFA)

Online Degree Search Title: Creative Writing, MFA
Campus: Tempe

## Program Description:

The MFA in creative writing at ASU has always been an unswervingly student-first program. Through small classes, intimate workshops, or one-toone mentoring, the centuries-old apprenticeship model thrives within the New American University. Poets and fiction writers work with an outstanding faculty that has published more than 80 books and has garnered national and international attention through awards that include:

- Guggenheim, Howard Foundation, and National Endowment for the Arts fellowships
- Pulitzer Prize
- International Griffin Poetry Prize
- Walt Whitman Award from the Academy of American Poets
- two Medals of Achievement from the National Society of Arts and Letters

Additionally, in concert with the Master of Fine Arts program, the Virginia G. Piper Center for Creative Writing offers students a variety of creative and global fellowship opportunities each year, including two teaching fellowships in Singapore; four to five global residency fellowships to study and write abroad; one to two fellowships to provide summer funding for writing; and other generous forms of support that include graduate assistantships and travel scholarships.

Furthermore, students have access to a variety of professional development opportunities, including serving on the editorial board of an international literary journal, Hayden's Ferry Review, and internships with Four Way Books.

## Degree Requirements:

48 credit hours, a written comprehensive exam, and an applied project (ENG 593).

Other Requirement (6 credit hours)
ENG 592 Research (6)

Culminating Experience (3 credit hours)
ENG 593 Applied Project (3)

Additional Curriculum Information
The creative writing program requires 48 credit hours of study evenly divided between writing courses, and literature courses designed to inform that writing.

While students are expected to satisfy these requirements in the genre in which they were accepted, the program encourages cross-genre study and electives can include courses taken outside of the creative writing program, even outside the English department.

A written comprehensive exam and an applied project are required.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Applicants should have an undergraduate major in English or creative writing; however, exceptional students who do not have either of these undergraduate majors may be admitted on the basis of writing excellence.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- creative manuscript
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

Students applying for funding must submit a statement of teaching philosophy. Students should see the Department of English website for specific details. TA applicants also must submit an academic writing sample.

The personal statement should include the applicant's writing background, intended area of specialization, a brief self-evaluation of recent work and the applicant's goals. The statement should be single-spaced, up to 1000 words.

Applicants must also submit three copies of the creative manuscript, up to 20 pages of poetry or up to 30 pages of prose.

The three letters of recommendation must consist of one copy of each letter from three recommenders.

The personal statement, the creative manuscript copies, and the letters of recommendation must be sent directly to:

Creative Writing Program
ASU Department of English
PO Box 870302
Tempe, AZ 85287-0302

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/admission/graduate-admission/master-fine-arts-creative-writing
RBH 152
enggrad@asu.edu
480-727-9130

Critical Theory (certificate), Certificate (LACRTGRCT)
Online Degree Search Title: Critical Theory (Graduate Certificate)
Campus: Tempe, West

## Program Description:

The certificate program in critical theory provides students with historical and thematic approaches to critical theory and promotes the skills required for the interpretation and production of concepts based in continental philosophy and used broadly in the arts, humanities and social sciences. Students learn about key thinkers and movements in critical theory, which offer the tools for creating a critical engagement with society and culture, for interpreting social and cultural objects and texts, and for the production of new theoretical ideas. This transdisciplinary certificate program provides opportunities to study theoretical approaches as applied across a wide range of arts, humanities and social science disciplines.

## Degree Requirements:

15 credit hours and a Portfolio.

Required Core ( 3 credit hours)
ENG 502 Contemporary Critical Theories (3)

Electives (12 credit hours)

Culminating Experience (0 credit hours)
Portfolio (0)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
The graduate certificate in critical theory is available to all ASU graduate students irrespective of their major and to nondegree graduate students and working professionals provided they meet eligibility criteria. Sample majors include English; women and gender studies; art history; and, arts, media and engineering.

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Specific details about English proficiency requirements are available on the Department of English website.

Eligible applicants must have taken a course in critical theory or related field taken at the upper-division undergraduate level (such as ENG 401 Topics in Critical Theory) or at the graduate level (such as ENG 502 Contemporary Critical Theories).

After submitting the online application, applicants must email unofficial transcripts, a brief statement of purpose explaining the student's areas of interest in critical theory, and a resume to the graduate program manager in the Department of English, with this subject line: Critical Theory Certificate Application.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/node/249
RBH 125
enggrad@asu.edu
480-965-3194

## Digital Humanities (Certificate), Certificate (LACDHGRCT)

Online Degree Search Title: Digital Humanities (Graduate Certificate)
Campus: Tempe

## Program Description:

The graduate certificate program in digital humanities provides students with methods and skills central to conducting humanities research that employs both qualitative and quantitative approaches. The certificate program is designed to promote cross-disciplinary study in humanities and social and computational sciences, and is open to students in all disciplines. The program features training in transdisciplinary collaboration, projectbased communication skills, critical theory and the simultaneous application of quantitative and qualitative problem-solving skills. This certificate highlights an area of excellence within ASU that has emerged across its colleges, schools and departments and is integral to the effort of transforming the humanities at ASU into new transdisciplinary configurations.

## Degree Requirements:

15 credit hours including an applied project course (CDH 593).

Required Core (3 credit hours)
CDH 501 Digital Humanities: Critical Theory and Methods (3)

Electives (6 credit hours)

Other Requirement (3 credit hours)
CDH 580 Practicum (3)

Culminating Experience (3 credit hours)
CDH 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students enrolled in an existing master's or doctoral program and in good standing. Students who are interested in transdisciplinary work are particularly well-suited for this certificate program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The program requires a TOEFL score of at least 600 (PBT) or 100 (iBT).

Students will be asked to outline a desired transdisciplinary area of inquiry. For example, a student who works on digital rhetoric and literacy may want to understand how to create and manage social media data sets or how to create a social media application. Alternatively, a student in School of International Letters and Cultures may want to study digital archives of Slavic literature and may need to understand how digital archives are enmeshed in national and capitalist networks.

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/333
COOR 4595
SHPRSGradInfo@asu.edu
480-965-5778
East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)
Online Degree Search Title: East Asian Languages and Civilization, PhD
Campus: Tempe

## Program Description:

The PhD program in East Asian languages and civilizations is a research-intensive, transdisciplinary, area-based degree in the study of traditional and modern languages and cultures of China and Japan. Students may focus on:
comparative cultural studies

- cultural history or linguistics
- literary criticism
- literature
thoughts

In every case, students will be expected to acquire a solid grounding in the classical and modern versions of the primary language of their area.

## Degree Requirements:

84 credit hours, two foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The program requires a minimum of 84 credit hours, of which 30 credit hours from an earned master's degree program that is directly relevant to the doctoral program may be counted toward that requirement. A minimum of 30 credit hours of coursework and 24 credit hours of research are required beyond the master's degree level. If a student already has a master's degree, it will not be necessary to complete the existing School of International Letters and Cultures master's degree program in Asian languages and civilizations. However, the student will be required to satisfy all course requirements for the master's degree.

All students, whether specializing in Chinese or Japanese, must comply with the following requirements:
complete a minimum of six courses selected from advanced courses in literature, religions or intellectual history

- complete five seminars
- complete SLC 500 Theory and Methodology in East Asian Literature and Culture
complete 12 credit hours of core requirements
submit a dissertation and pass an oral defense of that dissertation
- demonstrate reading knowledge of a second pertinent Asian language and one pertinent European language, aside from English
- pass written and oral comprehensive examinations in four fields, three of which must be selected from areas that are well-represented within the East Asian languages and civilizations doctoral graduate curriculum


## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Applicants specializing in Chinese should have completed at least three years of modern Chinese and one year of classical Chinese. Applicants specializing in Japanese should have completed at least three years of modern Japanese and one semester of classical Japanese.

Applicants must have a minimum of a 3.30 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.30 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
personal statement
- writing sample
- speech sample in Chinese or Japanese
- resume or curriculum vitae
- GRE scores
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The writing sample should represent the applicant's thinking as well as writing skills (on a topic connected with Chinese, Japanese or East Asian culture, no more than 15 pages).

The speech sample is required if the applicant is applying for teaching assistant ship funding. The speech sample should be a recorded message approximately four minutes in length, in Chinese or Japanese, on a topic of the applicant's choosing. (Applicants are asked to not read the
message. This is to help the committee evaluate the level of proficiency, and the message should realistically reflect the applicant's spoken Chinese or Japanese). Recordings should be emailed to SILC@asu.edu (mailto:SILC@asu.edu).

Applicants should see the department website for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/76
LL 440
silc@asu.edu
480-965-2715

## English, MA (LAENGLMA)

Online Degree Search Title: English, MA
Campus: Tempe, Online

## Program Description:

The MA program in English allows for a variety of transdisciplinary studies within four distinct tracks:

Comparative literature --- Students interpret cultural productions in English and at least one other language, and they explore approaches ranging from textual criticism, critical theory and translation to cultural studies and the social sciences.

English studies --- Students in this online delivery format option learn how to interpret and articulate complex cultural, historical, literary and language related ideas into accessible material for general audiences through a series of courses from across disciplinary areas of study.

Literature --- Students develop and hone skills in oral presentation, writing and critical thinking while exploring social, historical and cultural contexts.

Writing, rhetorics and literacies --- This program offers a wide array of courses encompassing the history, theory and practice of rhetoric and pedagogy of writing.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with English (Literature), BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required applied project course (LIN 593 or ENG 593) and a foreign language exam, or 30 credit hours including the required capstone course (ENG 597) and a foreign language exam, or 30 credit hours, a thesis and a foreign language exam.

Required Core ( 3 credit hours)
ENG 501 Approaches to Research (3)

A student may pursue a track in comparative literature, English studies, literature, or writing, rhetorics and literacies. All tracks have a foreign language requirement.

Comparative Literature
one course in concept and methods (course in comparative literature, criticism, or translation)
four courses in a language other than English
electives

English Studies
one course in linguistics
one course in literature
one course in writing, rhetorics and literacies
one course in English education
electives or research courses

Literature
one course in literary theory
a distribution requirement
electives
two courses selected must be graduate seminars at the 600 level

Writing, Rhetorics, and Literacies
one course in composition theory
one course in rhetoric theory
electives, which must include six credit hours of graduate seminars at the 600 level

Culminating Experience (3 or 6 credit hours)
ENG 593 Applied Project (3) or
ENG 597 Graduate Capstone Seminar (3) or
ENG 599 Thesis (6)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

The capstone culminating experience option is available to students in the English studies track only. Students in this track must take the capstone. Students in one of the other tracks may select an applied project or thesis for the culminating experience.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

Applicants for the master's degree program in English with a track in comparative literature must prove fluency in a foreign language to a level sufficient for graduate study. The one to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in comparative literature, and plans for the future.

Applicants for the master's degree program in English with a track in English studies (online program) are required to submit two academic or professional letters of recommendation (a third is optional). An academic writing sample is not required. The two-page, single-spaced statement of purpose should explain how the applicant's academic and professional interests fit with the English studies track of the Master of Arts in English. Applicants with undergraduate majors in English, foreign language, history, philosophy, liberal studies, or other areas in humanities will be considered.

Applicants for the master's degree program in English with a track in literature are required to have an undergraduate major in English. Those who do not have a major in English are encouraged to register as nondegree students while they take supplementary courses, as identified by the advisor. The one- to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in literature, and plans for the future.

Applicants for the master's degree program in English with a track in writing, rhetorics, and literacies may have undergraduate majors in fields such as, but not limited to anthropology, cognitive science, communication, comparative languages and literatures, education, English literature, history, law, modern languages, philosophy, political science, psychology, religion, rhetoric or composition, sociology, or speech and hearing science. The one- to two-page, single-spaced statement of purpose should detail the applicant's background, reasons for wanting to do graduate work in writing, rhetorics and literacies, and plans for the future

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-english?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/admission/graduate-admission
RBH 125
enggrad@asu.edu
480-965-3194

## English (English Education), PHD (LAENEDPHD)

Online Degree Search Title: English (English Education), PhD
Campus: Tempe

## Program Description:

The PhD program in English with a concentration in English education prepares students to examine the writing and reading practices of secondary students as well as the instructional practices of secondary English language arts teachers by emphasizing the relationship between pedagogy and research methodologies used to study the teaching of secondary English.

Possible areas for research focus within this program include young adult literature, secondary reading and writing practices, new literacies, English language learning, critical literacy, and secondary English language arts curriculum and instruction development. The program encourages students to pursue coursework in other subdisciplines within the Department of English (such as rhetoric and composition, applied linguistics and literature) and coursework in the ASU Mary Lou Fulton Teachers College (such as literacy and educational research methodology). The program prepares students to become professors of English education or to pursue other relevant opportunities in research and administration.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)
ENG 501 Approaches to Research (3)

Foundational Distribution (12 credit hours)

Advanced Studies Distribution (12 credit hours)

Internships (9 credit hours)
ENG 784 Internship (9)

Specialization (6 credit hours)

Culminating Experience (12 credit hours)
ENG 799 Dissertation (12)

Additional Curriculum Information
Students must take 12 credit hours at the 500 level, selected from a list of approved courses in education, English, linguistics and applied linguistics for the foundational distribution.

Students must take at least two courses in the area of specialization.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If not approved, the 30 credit hours of coursework will be made up of electives and research.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree from a regionally accredited institution. Applicants with master's degrees in English education and related fields, such as English literature, applied linguistics, education, and rhetoric and composition, will be considered. A minimum of three years of full-time teaching or volunteer work in secondary English language arts classrooms or in literate-rich settings is required.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample
- GRE general test scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the Department of English website for specific details about English proficiency requirements.

The one- to two-page statement should explain the applicant's interest in the program and how the applicant's background and preparation led to the specific career and research goals. The three letters of recommendation should be from individuals familiar with the applicant's promise in English education, including one letter from a school principal and two letters from university professors. Applicants applying for funding must also submit a statement of teaching philosophy.

Applicants should see the Department of English website for specific details.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/admission/graduate-admission/doctor-philosophy-english-english-education
RBH 130
enggrad@asu.edu
480-965-3194

## English (Literature), PHD (LAENLITPHD)

Online Degree Search Title: English (Literature), PhD
Campus: Tempe

## Program Description:

The PhD program in English with a concentration in literature promotes the study of the production, distribution and reception of texts; of their linguistic, rhetorical and literary structures and functions; and of the internal and external forces shaping literature. The program offers courses that examine chronology and genre while also considering the importance of embodiment. Many courses explore issues relating to gender, class, race and ethnicity. The program prepares students for entrance into the profession as teachers and scholars.

## Degree Requirements:

84 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

A student with an appropriate master's degree must complete a minimum of 54 credit hours of approved graduate work, which includes 12 credit hours of dissertation, provided the student's master's degree is accepted by the supervisory committee and the academic unit. Research hours may be used toward coursework in consultation with the advisor. A student without an appropriate master's degree must complete 84 credit hours of work at ASU. At the advisor's discretion, students may include up to 12 credit hours of appropriate, graduate-level coursework undertaken at another university and not previously counted toward any other degree.

Specifically required are six credit hours in theory courses and ENG 501 Approaches to Research. Students must complete eight graduate courses in any of the following categories:

- cultural studies
- ethnic studies
- gender studies
- genre
- history and structure of the English language
- literature 1500-1660
- literature 1660-1900
- literature since 1900
- literature to 1500
- postcolonial or anglophone literatures

Students must take at least five graduate seminars at the 600 level en route to the doctorate, at least three of which must be taken in the doctoral program. Up to 12 credit hours taken outside the department may be counted toward the degree. Students should consult with their supervisory committees when choosing electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- GRE general test scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements. (https://english.clas.asu.edu/admission/graduate-admission/how-to-apply/information-international-students)

The well-considered, one- to two-page, single-spaced statement of purpose should explain how the applicant's experience and training have prepared him or her for the program as well as the purpose for pursuing the PhD . Applicants applying for funding must also submit a statement of teaching philosophy. Students should see the Department of English website for specific details.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/admission/graduate-admission/doctor-philosophy-english-literature
RBH 125
enggrad@asu.edu
480-965-3194

## English (Writing, Rhetorics, and Literacies), PHD (LAENRHTPHD)

Online Degree Search Title: English (Writing, Rhetorics and Literacies), PhD
Campus: Tempe

## Program Description:

The PhD program in English with a concentration in writing, rhetorics and literacies promotes the study of rhetorical strategies, production, distribution and interpretation of oral, written, digital, visual, discursive, material and symbolic texts.

Students study the history, theories and methods of inquiry as well as pragmatic and social actions of writing, rhetoric and literacies. With theories and methods from both historical and contemporary contexts, students learn strategies for inquiry; the ways in which communication creates knowledge and action; and how communication is constructed, circulated, reacted to and repurposed over time and across space. Program requirements are designed to encourage a full understanding of theoretical and applied aspects of writing studies, rhetorical studies and literacy studies. Students also will be provided many opportunities to explore the intersections and tensions that exist within and between the three different areas of inquiry.

The program encourages transdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most. The program prepares students for entrance into the field as teachers, scholars and professionals.

84 credit hours, a foreign language exam, a written comprehensive exam, a prospectus and a dissertation, or 84 credit hours, a foreign language exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core ( 3 credit hours)
ENG 501 Approaches to Research (3)

Concentration (9 credit hours)
ENG 551 Rhetorical Traditions (3)
ENG 552 Composition Studies (3)
ENG 556 Theories of Literacy (3)

Focus Area (9 credit hours)

Electives or Research (18 credit hours)
research methods (3)
electives (15)

Other Requirements (3 credit hours)
writing for publication/scholarly writing coursework (3)

Culminating Experience (12 credit hours)
dissertation (12)

Additional Curriculum Information
Students may be allowed 30 credit hours from a previously awarded master's degree as approved by the academic unit and the Graduate College. A student who does not hold a master's degree will be required to take additional elective and research credit hours to reach the 84 credit hours required for this program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution Applicants with bachelor's or master's degrees in fields such as anthropology, applied linguistics, cognitive science, communication, comparative languages and literatures, English literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religion, rhetoric, composition, sociology, and speech and hearing science will be considered.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- GRE general test scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Applicants should see the Department of English website for specific details about English proficiency requirements.

In the well-considered, one- to two-page, single-spaced statement of purpose, applicants should explain how their experience and training have prepared them for the program. Applicants should indicate their career goals and explain how these goals relate to the program in writing, rhetorics and literacies. Applicants applying for funding must also submit a statement of teaching philosophy. Applicants should see the Department of English website for specific details.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/admission/graduate-admission/phd-english-writing-rhetorics-and-literacies

RBH 125
enggrad@asu.edu
480-965-3194

## English Education, MA (LAENEDMA)

Online Degree Search Title: English Education, MA

Campus: Tempe

## Program Description:

The MA in English education is a one-year, intensive program designed to prepare practicing and transitioning teachers for careers as exemplary educators, teacher-researchers, and leaders in English language arts instruction. Students in the program develop a deep understanding of the English language arts by learning how to access, analyze and apply research and best practices for teaching secondary students (grades 7-12). This program balances the refining of disciplinary knowledge with pedagogical application of that knowledge in classrooms. Students take a variety of dynamic, cutting-edge methods courses, including advanced methods courses in research in English education, methods of teaching writing and text, teaching postcolonial young adult literature, and teaching writing in an era of standardization.

This innovative course of study culminates with an inquiry project related to English language arts instruction in secondary classrooms. The program encourages students to employ teacher research and inquiry to address questions they have about their own students' learning and their own teaching practice.

## Degree Requirements:

30 credit hours including the required applied project course (ENG 593).

Required Core (12 credit hours)
ENG 501 Approaches to Research (3)
ENG 506 Methods and Issues in Teaching Language (3)
ENG 507 Methods and Issues in Teaching Composition (3)
ENG 606 Advanced Studies in English Education (3)

Electives or Research (12 credit hours)

Other Requirements (3 credit hours)
ENG 594 Conference and Workshop (3)

Culminating Experience (3 credit hours)
ENG 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in English, creative writing, English education, secondary education or secondary curriculum and instruction, or a master's degree in education or a closely related field from a regionally accredited institution. Current certification in secondary English language arts (grades 6-12), or equivalent certification, or a minimum of two years teaching English language arts in a school setting is required.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

The one- to two-page statement of purpose should explain the applicant's background, reasons for wanting to do graduate work in English education, and goals. Three academic or professional letters of recommendation are required, and at least one must be from a faculty member
familiar with the applicant's academic work.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/admission/graduate-admission/master-arts-english-english-education
RBH 130
enggrad@asu.edu
480-965-3224

## Environmental Communication and Leadership (Certificate), Certificate (LAECLGRCT)

Online Degree Search Title: Environmental Communication and Leadership (Graduate Certificate)
Campus: Downtown Phoenix, Polytechnic, Tempe, West

## Program Description:

Scientists must go beyond publishing in journals if they want their research to be relevant to society. However, academic training rarely covers how to communicate with the press, the public, policy makers and other relevant stakeholders. This certificate program in environmental communication and leadership gives graduate students in environmental disciplines the important leadership and communication skills needed to increase their influence and reach above and beyond academia.

## Degree Requirements:

Required Core (3)
BIO 578 Environmental Leadership and Communication (3)

Electives (12)
Policy and Management (3)
Communication (3)
Leadership (3)
Open Elective (3)

Additional Curriculum Information
Students must choose three credit hours from each of the three categories with approval of the School of Life Sciences. If a student takes a course for fewer than 3 credit hours, the student must take more than one course in that category to meet the 3 credit hour requirement. Students should contact the School of Life Sciences for a complete list of courses.

Students choose one three-credit hour elective course from any of the three categories above. Students should note that only three credit hours of approved 400 level coursework can appear on the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Sample related fields include business, education, biology, geosciences, political science and English.
time of application to the graduate certificate program. They must meet all other graduate admissions requirements. Courses will be reviewed by the School of Life Sciences graduate committee to ensure that they fulfill this requirement.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 212
sols.grad@asu.edu
480-727-3109

## Environmental Life Sciences, PHD (LAELSPHD)

Online Degree Search Title: Environmental Life Sciences, PhD
Campus: Tempe

## Program Description:

The PhD in environmental life sciences is a novel graduate degree program that provides doctorate-level training in several complementary fields focused on the interactions between organisms (e.g., plant, microbe, people and other animals) and the environment. This unique program provides opportunities to train across many fields of study, including:

- biology
- biochemistry and chemistry
conservation science
- ecology
- evolution
- environmental engineering
- geosciences
- mathematics and statistics
- spatial sciences
- social sciences
- sustainability

Graduate students are trained by means of:

- a core class, taught by environmental life science faculty members
- hands-on experiences in the lab and field
- guidance from committee members across multiple disciplines
- research seminars

The focus is on collaborative, interdisciplinary and integrative study of the causes and consequences of environmental variation across scales ranging from the organism to the globe. The overall goal is to provide a unique, interdisciplinary doctoral program that encourages students to explore and solve complex problems in the context of natural and anthropogenic environmental change.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)
ELS 501 Environmental Life Sciences: Grand Challenge: Global Climate Change (3)

Electives (69 credit hours)

Culminating Experience (12 credit hours)
ELS 799 Dissertation (12)

Addition Curriculum Information
ELS 501 is required for students to take during their first semester at ASU.

For electives, students should see the academic unit for approved coursework. Students also may take ELS omnibus courses to fulfill some of the elective requirements.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made
up of electives and research.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related discipline, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A GRE score of 50 percent verbal and 70 percent quantitative is desired.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Environmental Social Science, PHD (LAESSPHD)

Online Degree Search Title: Environmental Social Science, PhD

## Campus: Tempe

## Program Description:

The PhD program in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

This is the basis for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment.

Students work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
public affairs
- science and technology studies
- sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry or nongovernmental organizations.

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate degree program. This leaves 30 credit hours of coursework, 12 credit hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate degree program.

All students must maintain a 3.20 average GPA (scale is $4.00=$ "A") in their courses and complete degree requirements per the program's satisfactory progress policy.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in the application materials.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Environmental Social Science (Complex Adaptive Systems Science), PHD (LAESSCPHD)

Online Degree Search Title: Environmental Social Science (Complex Adaptive Systems Science), PhD
Campus: Tempe

## Program Description:

The PhD program in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without a focus on the socia dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment.

Students work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry and nongovernmental organizations

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive systems perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will become fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (9 credit hours)

Concentration (12 credit hours)

Electives or Research (21 credit hours)

Culminating Experience (12 credit hours)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (scale is $4.00=$ " A ") average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study and typically will have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

Students should see the academic unit for a complete list of approved electives and concentration courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in their application materials.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Environmental Social Science (Urbanism), PHD (LAESSURPHD)

Online Degree Search Title: Environmental Social Science (Urbanism), PhD
Campus: Tempe

## Program Description:

The PhD program in environmental social science is one of the few doctoral degree programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, health and the environment.

Students work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program trains students to move into teaching and research positions or to assume leadership roles in government, industry or in nongovernmental organizations.

Coursework for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation (54 credit hours total) to be earned post admission.

Students entering without a master's degree must earn an additional 30 credit hours of graduate coursework, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate degree program.

All students must maintain a 3.20 average GPA (scale is $4.00=$ " A ") in their courses and complete degree requirements per the program's satisfactory progress policy.

All students entering the program complete 18 credit hours of core classes in conceptual domains and topical foci. For the concentration in urbanism, 15 credit hours will be selected from an approved list of applicable courses related to urbanism. Some of the environmental social science core courses also count toward the concentration in urbanism. These courses will include the core urbanism course GCU 516 as well as one course from each of the four urbanism clusters:

- built form
- culture and society
- natural environment
- institutions and governance

Additional credit hours come from courses in research design, technical expertise and electives. Students may select from a substantial range of courses to satisfy noncore requirements.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Undergraduate coursework in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in their application materials.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Evolutionary Biology, PHD (LAEVOPHD)

Online Degree Search Title: Evolutionary Biology, PhD
Campus: Tempe

## Program Description:

The evolutionary biology PhD is a transdisciplinary graduate degree program that will provide doctorate-level training in the historical, conceptual, empirical and quantitative aspects of biological evolution. Evolution cuts across the biological sciences in ways that few other foci do. It allows integration of information and patterns across levels of organization, informs the theoretical foundations of subfields ranging from population genetics to systematics to ecosystem ecology, and provides bridges between temporal and spatial scales.

Forgoing emphases on particular taxa or methods, the program focuses on understanding the patterns and processes that have and continue to shape life on Earth, training the next generation of scientists to use this knowledge to meet present and future challenges to the biosphere and human health in the face of increasing environmental perturbation.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core ( 9 credit hours)
BIO 614 Biometry (4)
EVO 601 Principles of Evolution (3)
EVO 610 Research Areas of Evolution (2)

Electives (9 credit hours)
The program advisor as well as the student's advisor will determine these courses in conjunction with the student.

Other Requirements (54 credit hours)
research, coursework or 30 credit hours from a previously awarded master's degree

Dissertation (12 credit hours)
EVO 799 Dissertation (12)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.
accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores of 50 percent verbal and 70 percent quantitative are desired.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Exploration Systems Design, PHD (LAESDPHD)

Online Degree Search Title: Exploration Systems Design, PhD
Campus: Tempe

## Program Description:

The PhD program in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering and sensor networks.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (70 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium (1)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related filed to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students will take two science courses selected from the SESE graduate catalog (GLG, SES, or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

Instrumentation concentration:
An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

Systems engineering concentration:
Successful completion of a senior capstone or design project is an admission requirement for this concentration. Students who have not had a design course are required to take SES 405 Systems Engineering as a deficiency course.

Sensor networks concentration:
An undergraduate degree in electrical engineering or computer science is preferred.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-grad@asu.edu
480-965-5081

## Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)

Online Degree Search Title: Exploration Systems Design (Instrumentation), PhD
Campus: Tempe

## Program Description:

The PhD program in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering and sensor networks. The instrumentation concentration prepares students interested in the development of state of the art sensors and systems for remote and in-situ sensing related to planetary science, Earth science and astronomy.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium (1)

Concentration ( 9 credit hours)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students will take two science courses selected from the SESE graduate catalog (GLG, SES, or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

Instrumentation concentration: An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-grad@asu.edu
480-965-5081
Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)
Online Degree Search Title: Exploration Systems Design (Sensor Networks), PhD
Campus: Tempe

## Program Description:

The PhD program in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum will integrate the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program Concentrations are available in instrumentation, systems engineering and sensor networks. The sensor networks concentration prepares students interested in the development of networked software and hardware systems related to Earth and Space exploration, including robotics, data science and high-performance computing.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium

Concentration (9 credit hours)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students will take two science courses selected from the SESE graduate catalog (GLG, SES, or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

Sensor networks concentration: An undergraduate degree in electrical engineering or computer science is preferred.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-grad@asu.edu
480-965-5081

## Exploration Systems Design (Systems Engineering), PHD (LAESDSEPHD)

Online Degree Search Title: Exploration Systems Design (Systems Engineering), PhD
Campus: Tempe

## Program Description:

The PhD program in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum integrates the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related coursework from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering and sensor networks. The systems engineering concentration prepares students in the design, planning, creation and operation of complex exploration systems, including spaceflight and missions and large, multidisciplinary experiments.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (61 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium (1)

Concentration (9 credit hours)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Related fields include, but are not limited to, engineering, computer science, geological sciences or physics.

As part of the electives or research, students will take two science courses selected from the SESE graduate course catalog (GLG, SES, or AST prefixes). Substitutions may be made per academic unit approval.

Substitutions for Other Requirements may be made per department approval.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

Systems engineering concentration: Successful completion of a senior capstone or design project is an admission requirement for this concentration. Students who have not had a design course are required to take SES 405 Exploration Systems Engineering as a deficiency course.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-grad@asu.edu
480-965-5081

## Family and Human Development, MS (LAFAMHDMS)

Online Degree Search Title: Family and Human Development, MS
Campus: Online

## Program Description:

The MS program in family and human development provides practitioner-oriented professionals with an understanding of relationships and developmental dynamics. Students learn how to effectively evaluate and consume research, translate research into best practices, and apply these principles at work

The online format provides easy access to rigorous and valuable information that informs best practices in improving the lives of families and family members. The program also includes a customizable culminating experience that allows students to focus their training in their areas of interest and work.

## Degree Requirements:

30 credit hours including the required capstone course (FAS 588).

Required Core (9 credit hours)
CDE 531 Theoretical Issues in Child Development (3)
FAS 586 or SOC 586 Capstone I (3)
FAS 587 or SOC 587 Capstone II (3)

Electives or Research (18 credit hours)
FAS 500 Research Methods (3)
CDE 501 Social Statistics (3)
diversity course (3)
other elective coursework (9)

Culminating Experience (3 credit hours)
FAS 588 Capstone III (3)

Additional Curriculum Information
Students will complete the coursework and culminating experience courses in consultation with the assigned faculty advisor. The plan of study should be completed and approved by the faculty advisor once completing 50 percent of the minimum required credit hours for the degree.
Acceptance of the proposed plan of study must be verified by the signature of the chair and faculty advisor. After approval from the program or college, the plan of study is submitted to the Graduate College for final approval.

FAS 500 and CDE 501 may be replaced by equivalent courses with approval by the academic advisor.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- current resume or curriculum vitae
- personal statement of goals relevant to the master's degree program
- two letters of recommendation from professional or academic backgrounds
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement must be four to five pages, double-spaced, and must address the applicant's professional goals, the applicant's strengths that will enable the applicant to succeed in the program, and relevant professional experience or responsibilities to the program.

Letters of recommendation must be from at least two academic or professional sources. Family members or friends do not meet this criterion. Applicants should see the program website for full application deadlines and admission terms and details.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-science-family-and-human-development?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/family-and-human-development-ms
SS 144
graduatesanford@asu.edu
480-965-6978

## Family and Human Development, PHD (LAFAMSCPHD)

Online Degree Search Title: Family and Human Development, PhD

## Campus: Tempe

## Program Description:

The PhD program in family and human development is devoted to the study of families, children and youth. The program's research, teaching and service have direct meaning in the lives of children and adults, and for the families and communities in which they live.

The faculty share a common commitment to high-quality research that both increases the basic understanding of human and family development and has the potential to contribute to the improvement of the lives of children and families.

## Degree Requirements:

85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Each student must prepare and submit a plan of study in conjunction with the chair and members of his or her supervisory committee once completing 50 percent of the minimum required credit hours for the degree. The plan of study consists of a minimum of the following:

- Postbaccalaureate (for students entering after the bachelor's degree) --- Of the 85 credit hours for a postbaccalaureate program, six credit hours are dedicated to an empirical project and 12 credit hours are of a dissertation. Postbaccalaureate students complete a master's-in-passing before advancing to their doctoral studies.
- Post-masters (for students entering after the master's degree) --- Of the 55 credit hours of the post-master's degree program, 12 credit hours are
of a dissertation.

Additional credit hours in the postbaccalaureate and post-master's degree pathways involve courses in:

- electives relating to family and human development
- family and human development
- statistics and research methods


## Admission Requirements:

Applicants must fulfill the requirements of both the the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a resume or curriculum vitae
- statement of goals relevant to the doctoral program
- three letters of recommendation
- verbal, quantitative, and analytical GRE scores
- proof of English proficiency

Additional Application Information:
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency via a TOEFL score of at least 600

The personal statement must be four to six pages, double-spaced, and address the applicant's professional goals, the applicant's strengths that will enable the applicant to succeed in the program, a detailed description of past research experience, relevant professional experiences or responsibilities, and specific personal research interests. The applicant also must identify two or three faculty members whose research interests match their own and explain why they are good matches.

Three letters of recommendation are required. These must include at least one from an instructor at the applicant's institution where undergraduate or graduate work was completed. The letters should be from people who know the applicant in a professional or academic capacity. Letters from family members or friends do not meet this criterion.

Students should see the program website for full application deadlines.

## Contact Information:

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/family-and-human-development-phd
SS 144
graduatesanford@asu.edu
480-965-6978

## French (Comparative Literature), MA (LAFRECLMA)

Online Degree Search Title: French Comparative Literature, MA
Campus: Tempe

## Program Description:

The School of International Letters and Cultures offers a graduate program in French leading to the MA in French with concentration in comparative literature.

## Degree Requirements:

30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

Graduate students may take only 500 -level courses for graduate credit. At least nine credit hours must be selected from those courses listed exclusively for graduate students. The program must include:

- FRE 500 Bibliography and Research Methods (3)
- two courses in linguistics, civilization or translation, of which one course must be in linguistics
- one course in critical or cultural theory

It is recommended that the candidate enroll in FRE 500 as early as possible.

A minimum of four core courses offered by the French section must be selected from any combination of the following categories:

- Francophone studies courses
- genre courses
- period courses

When approved by the graduate committee, up to six credit hours of related coursework may be taken outside of French.

A student must achieve a GPA of "B" ( 3.00 on a 4.00 scale) or higher in all work specifically included in the plan of study. Grades below a "C" (2.00) cannot be used to meet the requirements of a graduate degree. No student may accumulate more than one incomplete at any one time.

Independent study courses will be given only under exceptional circumstances and will not duplicate courses which are available. The French graduate committee is responsible for authorizing such work in cooperation with the individual professor. No more than three credit hours of independent study will be permitted.

Students must complete an applied project.

The written examination for the concentration in comparative literature will be administered by the interdepartmental committee for comparative literature and will consist of two essay-based components: general concepts of comparative literature and problems of comparative literature.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The writing sample should represent the applicant's thinking as well as writing skills, and it should be written in French on a topic connected with the language or French culture. The writing sample should be approximately five to 10 pages in length.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/75
LL 440
silc@asu.edu
480-965-6281
French (Linguistics), MA (LAFRELINMA)

## Program Description:

The School of International Letters and Cultures offers a graduate program in French leading to an MA degree in French with concentrations in literature, linguistics or comparative literature.

## Degree Requirements:

30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

The plan of study for the master's degree includes:

- an applied project
- a minimum of 30 credit hours of graduate-level work, as approved by the candidate's supervisory committee
- a 500-level bibliography and research methods course offered by the department
- in some programs, six credit hours in another language or in closely related courses (when approved by the candidate's supervisory committee)

All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list, as agreed upon, serves as a guide to prepare for this examination.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking as well as their writing skills, and it should be written in French on a topic connected with the language or French culture; it should be approximately five to 10 pages in length.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://international.clas.asu.edu/node/79
LL 440
silc@asu.edu
480-965-6281

## French (Literature), MA (LAFRELITMA)

Online Degree Search Title: French Literature, MA
Campus: Tempe

## Program Description:

The School of International Letters and Cultures offers an MA in French with concentrations in literature, linguistics or comparative literature.

30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

The plan of study for the master's degree includes:

- an applied project
- a minimum of 30 credit hours of graduate-level work, as approved by the candidate's supervisory committee
- a 500-level bibliography and research methods course offered by the department

When approved by the candidate's supervisory committee, six credit hours in another language or in closely related courses may be included in the program.

All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list, as agreed upon, serves as a guide to prepare for this examination.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in French from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Those who lack the appropriate background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking as well as their writing skills, and it should be written in French on a topic connected with the language or French culture; it should be approximately five to 10 pages in length.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/73
LL 440
silc@asu.edu
480-965-6281

## Gender Studies, PHD (LAGSTPHD)

Online Degree Search Title: Gender Studies, PhD
Campus: Tempe

## Program Description:

The gender studies PhD program is part of the nation's first School of Social Transformation. The diverse community of scholars takes an innovative approach to the study of social justice by uniting multiple academic disciplines to strategically create social change that is democratic, inclusive and just.

The inclusive gender studies doctoral program empowers tomorrow's community leaders and shapers by immersing them in:

- ASU's on-campus Digital Humanities research lab
- creative and critical knowledge production
- deep fluency in feminist theory and practical applications
- publicly engaged academic research
- socially embedded community partnerships

The connections between social locations, community and lived experience are the foundation of the research, teaching and community engagement. Faculty and students explore these intersections from a holistic perspective that goes beyond the classroom.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (12 credit hours)
WST 601 Critical Concepts of Gender (3)
WST 602 Mapping the Intersections of Gender (3)
WST 603 Engendering Methodology (3)
WST 701 Research Design and Proposal Development in Gender Studies (3)

Elective Coursework in Methodology (6 credit hours)

Elective Coursework in Specialization (12 credit hours)

General Electives (30 credit hours)

Research and Dissertation (24 credit hours)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives to reach the required 84 credit hours.

Students should see the academic unit for a complete list of approved electives.

The gender studies doctoral program is designed to provide students with the transdisciplinary training in theory and methods needed to conduct original research and scholarship about gender

Students also take two research methods courses relevant to their dissertation, plus additional courses chosen from three areas of specialization: gender, justice and social change; health, science and technology; and visual and narrative culture.

Students must maintain a 3.20 average GPA (scale is $4.00=$ " A ") in their courses.

Gender, Justice and Social Change --- Courses in this area explore the gender dimension of social structures, institutions and organizations; the processes of social change and community development; and the ways policies and laws can change gender relations. Faculty have expertise in:

- child welfare
- domestic violence
- gender and the biophysical environmen
- globalization
- immigration
- labor and employment
- social policy
- sustainability
- transnational feminisms
- women's rights and gender equality in the developing world

Health, Science and Technology --- Courses in this area explore the impact of gender on:

- health care
health occupations
- science and technology

Faculty have expertise in

- bioethics
- gender and technology
- health and sexuality
- HIV and AIDS prevention
- the participation of women in math and science in the developing world
- women's roles as healers and caregivers

Visual and Narrative Culture --- Courses in this area explore historical and contemporary representations of gender in all genres, including:

- art
- literature
- popular culture
scientific, medical, historical and legal discourse
theater

The faculty focus especially on the intersections of gender representations with representations of race, sexuality and class, and the ways in which representations produce rather than simply mimic gender inequality and polarized identities.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

The gender studies program welcomes applications from qualified students without regard to race, creed, color, religion, sex or national origin. Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official copies of all undergraduate and graduate transcripts
official GRE scores
- resume or curriculum vitae
- statement of purpose
- three letters of reference, preferably from faculty or other researchers
- writing sample (10-15 pages)
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

GRE test scores cannot be more than five years old.

Students should see the ASU Graduate Admission Services website for mailing addresses and further admission information.

For additional financial information, students should consult the Financial Aid website at https://students.asu.edu/financialaid (https://students.asu.edu/financialaid).

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/gender-studies-phd
WILSN 125
SSTgraduate@asu.edu
480-965-7682

## Gender Studies (certificate), Certificate (LAWSTGRCT)

Online Degree Search Title: Gender Studies (Graduate Certificate)
Campus: Tempe

## Program Description:

The graduate certificate program in gender studies offers graduate students the opportunity to enhance their advanced degrees with demonstrated proficiency and knowledge about gender research and theories that they may apply in their own fields. The certificate is pursued in tandem with any graduate degree program at ASU.

## Degree Requirements:

15 credit hours.

Required Core ( 6 credit hours)
WST 601 Critical Concepts in Gender (3)
WST 602 Mapping the Intersections of Gender (3)

Electives (9 credit hours)

Additional Curriculum Information
Elective courses may be chosen from other WST graduate courses or from more than 30 approved courses from other departments throughout the university. Other courses may also be used with the graduate director's approval.

Up to six credit hours not used for another ASU degree or certificate can be transferred from another university, with the graduate director's approval. Courses should be recorded on the transfer section of the student's interactive program of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The certificate is not offered as a stand-alone, certificate-only program. It is only open for degree-seeking students. However, up to nine credit hours of ASU nondegree credit can be transferred into the program for those who eventually gain admission into an ASU graduate degree program.

Students should see the program website for more information about the certificate and to design coursework.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/gender-studies-grad-certificate
WILSN 125
SSTgraduate@asu.edu
480-965-7682

## Geographic Education, MAS (LAGEOEDMAS)

Online Degree Search Title: Geographic Education, MAS
Campus: Tempe, Online

## Program Description:

The MAS program in geographic education provides teachers with the opportunity to obtain a highly qualified status in geographic education. The degree program is intended for K-12 teachers and is appropriate for both elementary and secondary school teachers.

## Degree Requirements:

30 credit hours and an applied project.

Required Core (3 credit hours)
COE 501 Introduction to Research and Evaluation in Education (3)

Culminating Experience (3 credit hours)
DCI 593 Applied Project (3) or
SED 593 Applied Project (3)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

Students are required to have access to a computer with an Internet connection and the capability to view video and animated files with sound, access to email, and access to a word processing program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in education, geography or related area from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. One letter must be from a former instructor

Contact Information:
Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/graduate-degrees
COOR 5671
geoplan.gradprograms@asu.edu
480-965-7533

## Geographic Information Science (certificate), Certificate (LAGEOGISCE)

Online Degree Search Title: Geographic Information Science (Graduate Certificate)
Campus: Tempe

## Program Description:

The geographic information sciences certificate program teaches students the theoretical aspects of GIS, the technical side of the discipline, and applications of the science. Students will learn how to analyze policy problems and research questions from a spatial lens, acquire and analyze remotely sensed data, and model spatial phenomenon.

Skills in geographic information science and geospatial data analytics offer students market-ready tools for turning novel sources of spatial data into informed practice and prepare students to address issues such as climate change, population growth and aging and active transportation. The certificate program enables ASU graduate students from all disciplines, and GIS professionals, to learn how to apply GIS concepts and technology to build invaluable problem-solving skills. The certificate is intended as either a specialization within an existing master's degree or a stand-alone nondegree program.

## Degree Requirements:

16 credit hours including the required capstone course (GPH 591 or GIS 591).
three required courses (9)
two elective courses (6)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they are currently pursuing a master's degree at ASU or have earned a master's degree and are currently practicing professionals.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement must be a one-page letter describing the applicant's overall objective for the GIS certificate program. It should clearly state the applicant's interest in GIS and provide evidence that the certificate will enhance the applicant's education or current employment.

For currently practicing professionals, a final transcript from the master's degree-granting institution must be submitted.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/giscert
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533
Geographic Information Systems, MAS (LAGISMAS)
Online Degree Search Title: Geographic Information Systems, MAS
Campus: Tempe

## Program Description:

The MAS program in geographic information systems is a compact, one-year nonthesis degree fostering advanced study in the management and use of GIS technology in public and corporate environments. The degree program meets important educational needs of working professionals and recent college graduates seeking to improve their career standing.

The program provides a comprehensive professional degree that balances work in the theoretical aspects of GIS, the technical side of the discipline, and the applications domain. Students are exposed to cutting-edge technology, with a focus on building invaluable problem-solving skills, and the opportunity to work on real-world GIS projects.

Courses are held in the evenings during the week, so the curriculum is highly adaptable to the work environment, and the master's degree is achievable in a one-year time period. A new group of students begins the program each August, attending evening classes during the fall and spring semesters. Upon completion of the spring semester, students select a capstone project that they complete during a summer eight-week session. Final presentations take place in mid-July, and in fewer than 11 months the degree is complete.

## Degree Requirements:

30 credit hours including the required applied project course (GPH 693 or GIS 693).

Enrolled students must complete three sequential semesters of coursework:

First Semester
Offered during the fall, this semester is composed of six two-credit-hour modules that are not transferable.

Spring Semester
Students in this semester must complete four three-credit-hour courses.

## Final Semester

Students must complete a three-credit-hour GIS internship and a three-credit-hour applied project course during the final semester, which is offered in the eight-week summer session.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a related field from a regionally accredited institution or if they demonstrate a minimum of three years related professional experience with a bachelor's degree in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must prepare a formal, written personal statement regarding relevant academic experience, professional experience and overall interest in GIS

Letters of recommendation must be from two people who can attest to the applicant's academic and professional achievements. Letters can be from any combination of current or former instructors, supervisors or professionals currently employed within the GIS or related discipline.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/graduate-degrees/master-gis
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533
Geography, MA (LAGEOGMA)
Online Degree Search Title: Geography, MA
Campus: Tempe

## Program Description:

The MA program in geography is designed to offer specialized academic and professional training in geography so students may secure a sound graduate background for further specialization or for immediate employment. The program has sufficient flexibility to allow for the individual needs and the interests of students.

Faculty and graduate students focus their research in one of four broad interdisciplinary themes:

- computational spatial science: https://geoplan.asu.edu/research/research-areas/computational-spatial-science
(https://geoplan.asu.edu/research/research-areas/computational-spatial-science)
- earth systems and climate science: https://geoplan.asu.edu/research/research-areas/earth-systems-climate-science (https://geoplan.asu.edu/research/research-areas/earth-systems-climate-science)
- place, identities and culture: https://geoplan.asu.edu/research/research-areas/place-identities-and-culture
(https://geoplan.asu.edu/research/research-areas/place-identities-and-culture)
- sustainability science and studies: https://geoplan.asu.edu/research/research-areas/sustainability-science-studies
(https://geoplan.asu.edu/research/research-areas/sustainability-science-studies)


## Degree Requirements:

30 credit hours and a thesis.

Required Core ( 6 credit hours)
GCU 529 Contemporary Geographic Thought (3)
GCU 585 Geographic Research Design and Proposal Writing (3)

Electives or Research (18 credit hours)

Culminating Experience (6 credit hours)
Thesis (6)

Additional Curriculum Information
Students select additional elective or research coursework in consultation with their advisory committee.

The School of Geographical Sciences may consider a student for a traditional master's degree program that includes the successful defense of a thesis. Master's degree students must complete the coursework at ASU.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program..

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants who do not have an adequate background in geography will be asked to take additional geography coursework, including but not limited to:

GPH 371 Introduction to Cartography and
GCU 495 Georepresentation and Qualitative Methods in Geography.

The personal statement must address four items:

- What specialty in geography does the applicant wish to pursue, and why?
- What aspects of the applicant's education (a description is needed) will enable the student to pursue this specialty?
- What additional training does the applicant believe can be obtained at Arizona State University to realize the applicant's educational and career goals?
- Applicants should provide any other information they feel should be considered in their application for admission (e.g., research experience or information which might be drawn from the applicant's resume).

Letters of recommendation must be from three faculty members who can attest to the applicant's academic achievements.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/graduate-degrees/master-geography
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533
Geography, PHD (LAGEOGPHD)

Online Degree Search Title: Geography, PhD
Campus: Tempe

## Program Description:

The PhD program in geography provides specialized academic and professional training in geographical sciences to enable graduates to secure a sound background for further research and teaching, and for immediate employment.

Faculty and graduate students focus their research in one of four broad interdisciplinary themes:

- computational spatial science: https://geoplan.asu.edu/research/research-areas/computational-spatial-science
(https://geoplan.asu.edu/research/research-areas/computational-spatial-science)
- earth systems and climate science: https://geoplan.asu.edu/research/research-areas/earth-systems-climate-science
(https://geoplan.asu.edu/research/research-areas/earth-systems-climate-science)
- place, identities and culture: https://geoplan.asu.edu/research/research-areas/place-identities-and-culture
(https://geoplan.asu.edu/research/research-areas/place-identities-and-culture)
- sustainability science and studies: https://geoplan.asu.edu/research/research-areas/sustainability-science-studies
(https://geoplan.asu.edu/research/research-areas/sustainability-science-studies)


## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core ( 3 credit hours)
GCU 585 Geographic Research Design and Proposal Writing (3)

Electives or Research (30-60 credit hours)

Other Requirement (9 credit hours)
GCU 529 Contemporary Geographic Thought (3)
GCU 591 Seminar (3)
GPH 591 Seminar (3)

Culminating Experience (12 credit hours)
GCU 799 Dissertation (12)

Additional Curriculum Information
Doctoral students entering with a bachelor's degree must complete 84 credit hours. These hours include 72 credit hours of coursework and research at ASU and 12 dissertation credit hours.

Doctoral students entering with a master's degree must complete 54 credit hours. These include 42 credit hours of combined coursework and research hours at ASU and 12 dissertation credit hours.

Coursework and research hours are selected by the student in consultation with an advisory committee.
Up to six credit hours of 400-level coursework may be applied toward the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Incoming students must demonstrate or attain competence in cartography and quantitative methods and complete other basic coursework that will enable them to pursue graduate studies in their area of specialization. Applicants who do not have an adequate background in geography will be asked to take additional geography coursework including but not limited to GPH 371 Introduction to Cartography and GCU 495 Georepresentation and Qualitative Methods in Geography.

The personal statement must address four items:

- What specialty in geography does the applicant wish to pursue, and why?
- What aspects of the applicant's education (a description is needed) will enable the student to pursue this specialty?
- What additional training does the applicant believe can be obtained at Arizona State University to realize the applicant's educational and career goals?
- Applicants should provide any other information they feel should be considered in their application for admission (e.g., research experience or information which might be drawn from the applicant's resume).

Letters of recommendation must be from three faculty members who can attest to the applicant's academic achievements.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/graduate-degrees/phd-geography
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## Geological Sciences, MS (LAGEOSCMS)

Online Degree Search Title: Geological Sciences, MS
Campus: Tempe

## Program Description:

The MS program in geological sciences is designed to provide fundamental graduate training in geology and to prepare the student for further graduate study or for careers in geochemistry, geology, geophysics, planetary geology, hydrology and related areas.

## Degree Requirements:

30 credit hours and a thesis.

Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (22 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium (1)

Culminating Experience (6 credit hours)
SES 599 Thesis (6)

Additional Curriculum Information
Substitutions for Other Requirements may be made per department approval.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should see the program website for application deadlines.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-grad@asu.edu
480-965-5081

## Geological Sciences, PHD (LAGEOSCPHD)

Online Degree Search Title: Geological Sciences, PhD
Campus: Tempe

## Program Description:

The PhD program in geological sciences is designed to develop creative scholarship and to prepare students for professional careers in geological science fields such as geochemistry, geology, geophysics, planetary geology, hydrology and related areas.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (1 credit hour)
SES 502 Exploring SESE Research (1)

Electives or Research (70 credit hours)

Other Requirements (1 credit hour)
SES 501 SESE Colloquium (1)

Culminating Experience (12 credit hours)
SES 799 Dissertation (12)

Additional Curriculum Information
When approved by the students supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree in a related field to be used for this degree. Substitutions for Other Requirements may be made per department approval.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-grad@asu.edu
480-965-5081
German, MA (LAGERMMA)
Online Degree Search Title: German, MA
Campus: Tempe

## Program Description:

The faculty in the School of International Letters and Cultures offer graduate programs leading to the MA degree with a major in German. Students admitted to the master's degree program with a major in secondary education may elect German as their subject matter field.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (GER 593)

The plan of study for the master's degree includes a minimum of 30 credit hours of graduate-level work and a thesis or an applied project, as approved by the candidate's supervisory committee. The program must include a 500-level bibliography and research methods course offered by the school. When approved by the candidate's supervisory committee, nine credit hours in another language or in closely related courses may be included in the program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in German, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Those who lack this background but who show strong potential and meet the Graduate College admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

The writing sample should represent the applicant's thinking as well as their writing skills, and it should be written in German on a topic connected with the language or German culture.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/81

## Global Health, MA (LASSHMA)

Online Degree Search Title: Global Health, MA

## Campus:

## Program Description:

In this MA program, global health is considered to be much more than and very different from international public health. It emphasizes that major health challenges stem from many factors well beyond disease itself --- factors that are:

- cultural
- ecological
- evolutionary
- historical
institutional
social
- technological

Any effective, sustainable solutions to the most pressing global health challenges will need to take all of these factors into account, including the complex ways in which they relate to each other. In this manner, this degree program teaches students to understand health as not simply a product of disease, but rather emerging in the contexts of complex and interrelated ecology, politics, history, culture, social institutions and evolutionary biology. It also places primacy on how to address the broader (i.e., structural, cultural) bases of ill health in complicated, ever-changing health challenges in low-resource community settings and a globalizing world. To do this, the program combines both social and life science theories with on-the-ground research and its application. There is a strong emphasis on collaborative action as key to identifying and addressing global health problems in a sustainable and meaningful way.

Students accepted into the program are tied to ongoing transdisciplinary global health projects that address complicated, multifaceted health challenges that defy easy fixes, such as:

- climate change-related diseases
- emerging infectious diseases
- obesity

By applying a collaborative, problem-solving format, the master's degree program in global health is intended to provide those planning to enter health or related fields (i.e., environmental, social) with the transdisciplinary orientation, team skills and social and cultural acuity that the Pew Health Professions Commission inter alia has identified as critical but lacking in current health workforce training. The program also emphasizes experiential learning as a way to gain mastery and requires participation in a global internship program based in one of the international partnering communities.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Global Health, BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 Credit Hours including the required applied project course (SSH 593).

All students are required to take the following four foundational courses (12 credit hours):

ASB 500 Topic: Ethnographic Field Methods (3)
ASB 503/SSH 503 Medical Anthropology (3)
ASB 510/SSH 510 Health: Social and Biocultural Theories (3)
AML 613 Methods and Concepts in Math Epidemiology OR SSH 591 Topic: Principles of Epidemiology for Global Health (3)

Substitutes may be permitted by the graduate director for some coursework that includes individualized research, conference and independent study courses with approved faculty. Additional methods-focused courses or graduate-level epidemiology courses can count toward this requirement.
project. Applied projects are completed in consultation with a faculty advisor; options include internship, practicum, a research project, scholarly research paper or an outreach project.

All students must maintain a 3.00 average GPA (scale is $4.00=$ "A") on both the interactive plan of study and graduate GPAs per the Graduate College satisfactory academic progress policy.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the social or life sciences (i.e., anthropology, sociology, gender studies, geography, political science), public health or related fields (i.e., nutrition, human biology), from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
current curriculum vitae or resume
- GRE scores
three letters of recommendation
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in their application materials.

Admission is competitive and based on student academic excellence, additional relevant experience, and fit with available faculty. Value will be placed on foreign language skills; practical, cross-cultural and international experiences; and prior social science and life science research.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Global Health, PHD (LASSHPHD)

Online Degree Search Title: Global Health, PhD
Campus: Tempe

## Program Description:

The PhD program in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as the commercial sector, government agencies or nongovernmental organizations

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws some 80 faculty members from throughout the university to consider how cutting-edge social science can be applied to understand and substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate. This leaves 30 credit hours of coursework, 12 hours of research credit and 12 hours of dissertation credit ( 54 credit hours total) to be earned post admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio that is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctoral program.

All students must maintain a 3.20 average GPA (scale is $4.00=$ " A ") in their courses and complete degree requirements per the program's satisfactory progress policy.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six hours of human biology (or equivalent) at the senior level, and also should have some background in statistics or epidemiology.

Applicants may submit with their application materials an optional scholarly writing sample of at least 20 but no more than 30 double-spaced pages.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215

Online Degree Search Title: Global Health (Complex Adaptive Systems Science), PhD
Campus: Tempe

## Program Description:

The PhD program in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as the commercial sector, government agencies or nongovernmental organizations.

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws together some 80 faculty members from across the university to consider how cutting-edge social science can be applied not onlyto understand, but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems perspective at Arizona State University and emphasizes the value of a complex adaptive systems science perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the program. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation ( 54 credit hours total) to be earned postadmission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio that is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate degree program.

All students must maintain a 3.20 average GPA (scale is $4.00=$ " A ") in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in complex adaptive systems science, 12 credit hours will be selected from an approved list of applicable courses related to complexity.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and students typically will have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should already have completed at least 15 credit hours of social science and six credit hours of human biology (or equivalent) at the senior level and should also have some background in statistics or epidemiology.

Applicants may submit with their application materials an optional scholarly writing sample of at least 20 but no more than 30 double-spaced pages.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
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480-965-6215

## Global Health (Culture and Health), PHD (LASSHCHPHD)

Online Degree Search Title: Global Health (Culture and Health), PhD
Campus: Tempe

## Program Description:

The PhD program in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes, and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as the commercial sector, government agencies or nongovernmental organizations.

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws together some 80 faculty members from across the university to consider how cutting-edge social science can be applied not only to understand, but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The concentration in culture and health provides focused, specialized training in theories and methods for researching the relationship between culture and health. This concentration utilizes the perspectives of medical anthropology and sophisticated ethnographic methods to study and interpret the role of cultural and social differences in shaping health. Students investigate these methods in the context of the community-based, participatory approaches that tend to promote the most mutually meaningful and lasting health solutions. Graduates are thus particularly prepared for leadership in addressing health disparities in cross-cultural settings and with the most vulnerable populations. This includes very complex, difficult settings where particularly nuanced and sophisticated (often anthropological) understandings of health-related challenges are needed.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate degree program. This leaves 30 hours of coursework, 12 hours of research credit and 12 hours of dissertation credit ( 54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio that is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 average GPA (scale is $4.00=$ " $\mathrm{A} "$ ) in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in culture and health, 15 credit hours will be selected from an approved list of applicable courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six hours of human biology (or equivalent) at the senior level, and should also have some background in statistics or epidemiology.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in their application materials.

Contact Information:
Liberal Arts \& Sciences, College of School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
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480-965-6215

## Global Health (Evolutionary Global Health Sciences), PHD (LASSHEPHD)

Online Degree Search Title: Global Health (Evolutionary Global Health Sciences), PhD
Campus: Tempe

## Program Description:

The PhD program in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes, and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings such as commercial sector, government agencies or nongovernmental organizations.

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws together some 80 faculty members from throughout the university to consider how cutting-edge social science can be applied not only to understand, but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The concentration in evolutionary global health sciences requires training in universal principles of research design (from experiments to systematic qualitative and quantitative description), data analyses, methods (quantitative and qualitative), and anthropological interpretation (or the identification of determinants of the origins and distribution of health phenotypes in past and present human populations). Students choose from a wide range of data collection and inferential tools in order to address specific questions, through a combination of lecture and guided reading courses designed to master the highly diverse literature in evolutionary global health sciences that best pertains to their career goals.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (10 credit hours)

Concentration (16 credit hours)

Electives and Research (16 credit hours)

Previously Awarded Master's Degree (30 credit hours)

Culminating Experience (12 credit hours)
SSH 799 Dissertation (12)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the program. This leaves 30 credit hours of coursework, 12 credit hours of research and 12 credit hours of dissertation ( 54 credit hours total) to be earned post-admission.

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio that is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate program.

All students must maintain a 3.20 average GPA (scale is $4.00=$ " A ") in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in evolutionary global health sciences, 16 credit hours will be selected from an approved list of applicable courses.

Substitutes to courses may be permitted by the graduate director for some coursework, including individualized research, conference or independent study courses with approved faculty.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six hours of human biology (or equivalent) at the senior level, and also should have some background in statistics or epidemiology.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages, to be included in their application materials.

## Contact Information:

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## Global Health (Urbanism), PHD (LASSHURPHD)

Online Degree Search Title: Global Health (Urbanism), PhD

## Campus: Tempe

## Program Description:

The PhD program in global health draws on the premise that sustainable and satisfying solutions to the most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes, and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings such as the commercial sector, government agencies and nongovernmental organizations.

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws some 80 faculty members from all across the university to consider how cutting-edge social science can be applied not only to understand, but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research into societies --- from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's degree in a relevant field.

The concentration in urbanism will leverage the varied interests in urbanism and help emerging scholars as they attempt to compare, contrast and take stock of urbanism as it pertains to the thematic foci of the program. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's degree in a related field may be granted up to 30 credit hours toward the 84 credit hour total required for the doctorate. This leaves 30 credit hours of coursework, 12 hours of research credit and 12 hours of dissertation credit ( 54 credit hours total) to be earned post-admission

Students entering without a master's degree must earn an additional 30 hours of graduate credit, produce a research portfolio that is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate program.

All students must maintain a 3.20 average GPA (scale is $4.00=$ " A ") in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in urbanism, 15 credit hours will be selected from an approved list of applicable courses related to urbanism. These courses will include the core urbanism course, GCU 516 (three credit hours) as well as one course from each of the four urbanism clusters. These clusters are:

- built form
- culture and society
- institutions and governance
- natural environment


## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Suitable backgrounds for admission include a master's degree in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's degree program should have already completed at least 15 credit hours of social science and six hours of human biology (or equivalent) at the senior level, and also should have some background in statistics or epidemiology.
materials.

## Contact Information:

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## Global Security, MA (LAGSCMA)

Online Degree Search Title: Global Security, MA
Campus: Online

## Program Description:

The MA in global security is an interdisciplinary, fully online program designed to aid professional advancement in military, government and private sector careers; students are trained to critically engage international security issues in a comprehensive manner.

The program is based on four key pillars: enabling innovative strategic thinking; developing analytic tools; supporting critical interdisciplinary engagement; and encouraging flexible and resilient approaches to the inherently complex challenges of current and future global security.

Students may pursue the master's degree from anywhere in the world, study while working full-time or part-time, and may advance at their own pace. The program assists students in gaining a grounded and relevant understanding of major global trends while developing critical analytic skills to improve their capacity to succeed in multiple career paths related to domestic and international security.

## Degree Requirements:

30 credit hours including the required capstone course (GSC 550).

Required Core (3 credit hours)
GSC 501 War, Conflict and Security (3)

Electives or Research (24 credit hours)

Culminating Experience (3 credit hours)
GSC 550 Capstone (3)

Additional Curriculum Information
For electives or research, students will take eight courses from a restricted list for a total of 24 credit hours. Students should contact the academic unit for the approved course list. Other coursework may be used with approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the humanities (English, history, etc.); social sciences (anthropology, sociology, political science, etc.); sciences (biology, chemistry, etc.); policy (public administration, etc.); computer science; engineering (all subfields); or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must submit at least one letter of recommendation for admission. Applicants may submit additional letters.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-global-security)

## Contact Information:

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://pgs.clas.asu.edu
COOR 6675
spgs@asu.edu
480-965-8563
History, MA (LAHISTMA)
Online Degree Search Title: History, MA
Campus: Tempe, Online

## Program Description:

The MA program in history provides students the fundamental training needed for careers in research, teaching, public history, government service, and a host of other positions in the public, private and nonprofit sectors. Program graduates serve as first-rate historians, highly qualified teachers at the elementary and secondary level, researchers and consultants, archivists, foreign service officers, management professionals, community organizers and public servants.

The master's degree program offers studies in North American, European, public and global-comparative history, and it provides students with opportunities for professional development through colloquia, internship experiences and conference attendance. Courses emphasize the development of skills in research, writing, critical thinking and communication.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with History, BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (HST 593), or 30 credit hours including the required capstone course (HST 597).

There are two options for the master's degree program in history: the thesis option and the nonthesis option. The thesis option requires 30 total credit hours of coursework, including six credit hours of HST 599 Thesis. The nonthesis options require 30 total credit hours of coursework, including three credit hours of HST 593 Applied Project or HST 597 Capstone, three credit hours of HST 591 Seminar and an additional 24 credit hours of coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program. The most competitive applicants will have a GPA of 3.30 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The history program requires a TOEFL score of at least 600 (PBT) or 90 (iBT).

Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in history.

The statement of purpose should be addressed to the history admission committee and should explain the applicant's scholarly background and training, career goals, the primary field the applicant wishes to pursue, and why the applicant wants to pursue graduate study at ASU (about 500 words in length). It is not necessary to specify a research topic, but if an applicant has one in mind, they should include it in the statement of purpose.

The writing sample may be an article (published or unpublished), a research paper or any other extended sample of expository writing no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents and files should not be password protected. Acceptable file types are .rtf, .pdf and .doc.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-arts-
history?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/176
COOR 4595
SHPRSGradlnfo@asu.edu
480-965-5778
History, PHD (LAHISTPHD)
Online Degree Search Title: History, PhD
Campus: Tempe

## Program Description:

The PhD program in history offers outstanding opportunities for graduate study in North American, European, public and global-comparative history. The School of Historical, Philosophical and Religious Studies' world-class faculty members deliver courses and individualized mentoring in a wide range of historical topics. Moreover, doctoral history students are strongly encouraged to take advantage of the numerous collaborative opportunities that exist throughout the university in ASU's many innovative schools and centers.

Students pursuing the doctorate cultivate a strong background in the historical research methodology and scholarly analysis needed to develop expertise in a chosen historical subject area and receive preparation for competitive careers. By emphasizing foundational skills in research, writing and communication, the doctoral program in history prepares students for diverse career opportunities, including leading academic institutions, private industry and the public sector.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a oral comprehensive exam, a prospectus and a dissertation.

Required Core (16 credit hours)
HST 502 Public History Methodology (3)
HST 640 Historical Methods (3)
HST 641 North American History (3)
HST 642 European History (3)
HST 643 Global History (3)
HST 682 Advanced Research Skill (1)

Electives and Research (44 credit hours)

Other Requirement (12 credit hours)
HST 591 Seminar (6)
HST 792 Research (6)

Culminating Experience (12 credit hours)
HST 799 Dissertation (12)

Additional Curriculum Information
In general, all credit hours must be at the 500 level or above (graduate credit for 400 -level courses must be approved in advance and documented in the student's file).

The PhD program requires a minimum of 84 credit hours and may be completed in four to five years. Students with a master's degree may apply 30 credit hours toward the 84 required credit hours with approval of the academic unit and the Graduate College. If the student does not already have a master's degree in a related field, then the remaining 30 credit hours will be made up of electives and research to reach the 84 credit hours required for the doctoral program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program. The most competitive applicants will have a GPA of 3.30 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- statement of purpose
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The history program requires a TOEFL score of at least 600 (PBT) or 90 (iBT). A student whose native language is not English also must submit a copy of an article or research paper in the student's native or principal research language in addition to the English writing sample required of all students.

Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in history. Letters of reference should be submitted by the recommenders in addition to the electronic reference form they are asked to complete.

GRE scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007; the department code may be left blank or entered as 0000 .

The statement of purpose is to be addressed to the history admission committee and should explain the applicant's scholarly background and training, career goals, the primary field the applicant wishes to pursue, the proposed research specialization, and why the applicant wants to pursue graduate study at ASU (about 500 words in length).

The writing sample may be an article (published or unpublished), a research paper, or any other extended sample of expository skill no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents and files should not be password protected. Acceptable file types are .rtf, .pdf and .doc.

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/content/history-phd-0
COOR 4595
SHPRSGradlnfo@asu.edu
480-965-5778
History and Philosophy of Science, PHD (LAHPSCIPHD)
Online Degree Search Title: History and Philosophy of Science, PhD
Campus: Tempe

The history and philosophy of science is an interdisciplinary field that traces its origin to foundational works such as Thomas Kuhn's "Structure of Scientific Revolutions". The field is based on the idea that the best way to understand science is to study how it changes over time, along with careful analysis of its concepts and fundamental principles. The PhD program in the history and philosophy of science combines training in the core areas of history and philosophy of science with an emphasis on interdisciplinary studies of the sciences, including:

- computational history and philosophy of science
- foundations of evolutionary theory
- general philosophy of science and epistemology
- history and philosophy of applied ethics and science policy
- history of 19th and 20th century biology

The program is especially appropriate for students with an undergraduate or master's degree in philosophy history, or the sciences, and those who seek to broaden their disciplinary studies. Science students who have not taken relevant undergraduate humanistic core courses can make these up during their first years in the program. Graduates go on to careers in higher education, including research, teaching and administration; science communication; and other professions related to the life sciences.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
HPS 615 Biology and Society Lab (3)
HPS 620 Research Prospectus Writing (3)

Restricted Program Electives (30 credit hours)

Program Electives (24 credit hours)

Research (12 credit hours)
HPS 792 Research (12)

Dissertation (12 credit hours)
HPS 799 Dissertation (12)

Additional Curriculum Information
An individual student program is developed in consultation with the student's advisor and committee.

HPS 615 Biology and Society Lab is a one-credit hour course focused on student presentations of works-in-progress. Students must register for it three times during their graduate study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution of recognized standing in a related field such as history, philosophy, or history and philosophy of science as well as a demonstrated background and interest in one or more sciences.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
writing sample
- GRE scores
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

GRE scores of 50 percent verbal and 70 percent quantitative are desired.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Immigration Studies (certificate), Certificate (LAIMMSTUCE)

Online Degree Search Title: Immigration Studies (Graduate Certificate)

## Campus: Tempe

## Program Description:

The immigration studies graduate certificate program provides students with an understanding of the causes and consequences of international migration as well as relevant professional and research training opportunities.

The program prepares graduates for future study in graduate and professional schools or for careers as immigration practitioners and advocates in nongovernmental organizations, local and federal government agencies, as well as in other private and public institutions serving immigrant and refugee communities.

The objective of the certificate program is to offer traditional academic training through coursework, research and practical experience working with local immigrant and refugee communities.

## Degree Requirements:

15 credit hours.

All students will be required to take one core course, three approved elective courses on immigration, and three hours of a culminating experience (either an internship or a research project). Students are to contact the school for a list of approved courses.

Students may do an internship with Phoenix-based, nongovernmental organizations or government agencies that provide services to immigrants and refugees. Such internships will give students professional training and actual experience working with immigrant and refugee communities. Students will be required to write a report describing the organization and their experience as interns.

Students may enroll in three credit hours of research with a faculty member in order to do an independent research project. They must write a substantial research paper based on field research in a local immigrant community, on library and archival research or on readings on an immigration topic.

Certificate students may choose to specialize in humanities, Mexican and Latino immigrants in the U.S., or social sciences.

Given the nature of the immigration courses offered at ASU and the preponderance of Latino immigrant communities in the Phoenix area, the program emphasizes Latino immigration. However, students will have the opportunity to take broader courses focusing on global migration and other immigrant groups as well as work with local Asian or Southeast Asian immigrants and refugee communities.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count toward their degree program with the approval and consent of the degree granting program. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to 12 credit hours may count toward their master's degree, with the approval and consent of the degree-granting program.

All requirements for the certificate program should be completed within a three year time limit with a cumulative GPA of at least 3.00 (scale is $4.00=$ "A"). Students who require more time to finish the program (because of their part-time status or lack of desirable or available courses) must obtain approval from the executive committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.
or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants may submit an optional scholarly writing sample, not to exceed 20 to 30 double-spaced pages to be included in their application materials.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215
Indigenous Education, MA (LAIEDMA)

## Online Degree Search Title: Indigenous Education, MA

Campus: Online

## Program Description:

The MA degree program in Indigenous education provides students with advanced training in research, theory and practice related to both Indigenous education, as broadly defined, as well as the process of schooling. The primary audience for this degree are those working in Indian education, for tribal nations with education programs, and those interested in Indigenous education. Because the Center for Indian Education is housed in the School of Social Transformation with faculty that collaborate with colleagues nationally, internationally and across ASU campuses, students have access to a wealth of additional resources at the master's degree level, which allow them to develop a final project that best fits their specific professional aspirations.

## Degree Requirements:

Required Core ( 9 credit hours)

Other Required Courses (15 credit hours)

Research (3 credit hours)

Culminating Experience (3 credit hours)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as history, education, anthropology, sociology, ethnic studies, justice studies or political science, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- example of writing
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A selection committee, comprised of faculty members, will choose candidates based on application materials and applicants' ability to succeed.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/indigenous-education-ma)

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/degrees/grad
EDB 302
sstgraduate@asu.edu
480-965-7682
Infant Family Practice, MAS (LACDEMAS)
Online Degree Search Title: Infant - Family Practice, MAS

## Campus: Tempe

## Program Description:

This self-contained, accelerated program provides high-quality coursework and supervised internship experiences designed to train professionals to work in prevention and intervention programs, serving families with infants, toddlers and preschool-age children.

The program prepares individuals for positions in a variety of professional capacities including:

- child abuse prevention
- child welfare
- early childhood education and child care administration
- early intervention
- family support
- home visiting
- infant and early childhood mental health

Coursework prepares students for professional endorsement of the Infant-Toddler Mental Health Coalition of Arizona's endorsement for culturally sensitive, relationship-based practice promoting infant mental health.

## Degree Requirements:

30 credit hours and a portfolio.

Required Core (12 credit hours)

Practicum (9 credit hours)

Other Requirements (6 credit hours)

Research (3 credit hours)

## Additional Curriculum Information

The MAS in infant-family practice requires successful completion of a minimum of 30 credit hours and an applied project, including required coursework and an internship in a community placement approved by the faculty of the master's degree program in infant-family practice Internships are expected to last approximately 12 months.

Students must meet the expectations of the agency supervising their internship.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field such as counseling, psychology, and family and human development.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a personal statement
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

The letters of recommendation should be from individuals familiar with the applicant's academic background.

GRE scores are waived for this program.

## Contact Information:

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/
SS 144
graduatesanford@asu.edu
480-965-6978

## International Letters and Cultures, PHD (LAILCPHD)

Online Degree Search Title: International Letters and Cultures, PhD
Campus: Tempe

## Program Description:

The PhD program in international letters and cultures offers professional training that is linguistically well-grounded, historically and culturally informed, and methodologically transdisciplinary, through courses and supervision of research. Central to the program is the critical inquiry of primary texts, media and cultural expressions, aiming at an original understanding of cultures and social groups in their formations, interactions and transformations throughout history.

The program is attentive to the various roles of language in societies, and in the different perspectives through which language can be studied --among other aspects, its variations, transformations, hybridizations and processes of acquisition. The doctorate in international letters and cultures focuses particularly on research questions and themes that cannot be fully explored within the traditional disciplinary boundaries; instead, it fosters dynamic collaboration across disciplines in order to engage in the production of knowledge that is crucial to understanding transnational and transcultural interactions across time and space.

This degree program provides an innovative intellectual platform that advances transdisciplinary research and teaching. In consultation with their advisor, students arrange their coursework in both a primary and a secondary area of emphasis. Both areas are organized around interdisciplinary study and research in more than one language. Advanced language requirements will vary depending on chosen areas of research. Sample programs of study might include a primary emphasis area in medieval theater and a secondary emphasis area in medieval book culture, with a focus on France and Italy, or students might study multilingualism from a comparative sociolinguistic perspective, comparing trilingual communities like the Yaquis in Arizona and the Uros in Bolivia. Faculty members are drawn from various departments and programs in the humanities and social sciences.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)
SLC 602Comparative Cultural Theory (3)

Restricted Electives (36 credit hours)
Primary field of study (18)
Secondary field of study (18)

Other Requirements (33 credit hours)
Elective and research credit hours (21)
Foreign language credit hours (12)

Culminating Experience (12 credit hours)
SLC 799 Dissertation (12)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.30 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.30 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
personal statement
- resume or curriculum vitae
- writing sample
three letters of recommendation
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should describe the questions, issues, or challenges the student plans to explore through thePhD program in international letters and cultures and explain how previous studies, training, and/or professional experiences prepare the student for this research. It should include a proposed plan of study based on the current graduate-level offerings at ASU. In a brief statement, the student should indicate how those courses will be preparation for the PhD dissertation, how the plan fits with the description and goals of the PhD in international letters and cultures and why the proposed program does not fit some other degree program.

Applicants must provide a writing sample of 15 to 20 pages minimum in English (a writing sample in the primary language of interest may also be requested at the discretion of the admissions committee). The writing sample should reflect the student's analytical and critical skills.

Contact Information:
Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.clas.asu.edu/node/72
LL 440
silc@asu.edu
480-965-6281

## Justice Studies, MS (LAJUSSTMS)

Online Degree Search Title: Justice Studies, MS
Campus: Tempe

## Program Description:

The MS program in justice studies prepares students to pursue careers in law and public policy, community and nonprofit organizations, social work and advocacy, labor relations, criminal justice, education, and research and policy institutes. Many graduates also go on to pursue doctoral degrees in interdisciplinary programs such as justice studies, criminology and law, American studies, ethnic studies, and women and gender studies.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Justice Studies, BS
Justice Studies, BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (JUS 593).

Required Core (12 credit hours)
JUS 500 Justice Research Methods (3)
JUS 501 Justice Theory (3)
JUS 509 Statistical Problems in Justice Research (3)
JUS 521 Qualitative Data Analysis and Evaluation (3)

Electives (12 credit hours)

Research ( $0-3$ credit hours)
JUS 592 Research (3)

Culminating Experience (3-6 credit hours)
JUS 593 Applied Project (3) or
JUS 599 Thesis (6)

Additional Curriculum Information
Each student's program is developed in concert with the advisory committee. The required foundation courses provide students with a fundamental understanding of the theories, methods and analytic techniques associated with the study of justice.

To satisfy the thesis requirement for the degree, candidates must write a thesis and defend it in an oral examination conducted by the student's advisory committee. Students in this option are not required to take JUS 592 Research.

Students who elect to complete the applied project option will have to enroll in three credit hours of JUS 592 Research prior to enrolling in JUS 593 Applied Project. Candidates pursuing the applied project option must present their applied project and defend it in an oral examination conducted by the faculty member who supervises the project and the graduate programs director or designated representative. The applied project typically includes a brief literature review to identify the nature of the issue or problem and a description of the methodology used and, if relevant, of the program studied, followed by an analysis.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Information regarding acceptable proof of English proficiency can be found via the Graduate Admission Services webpage: https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

Applicants should visit the School of Social Transformation's Master of Science in justice studies webpage for further details on the listed application requirements and application deadlines.

No GRE testing is required for admission.

Mailing addresses and further admission information is available on the ASU Graduate Admission Services website.

Application requirements vary for the accelerated justice studies 4+1 program. Undergraduate students majoring in justice studies who are interested and eligible for this accelerated graduate program should contact the academic unit, to schedule an appointment with a graduate advisor prior to submitting an application. Further details about the accelerated justice studies $4+1$ program can be found on the School of Social Transformation webpage.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/justice-studies-ms
WILSN 125
SSTgraduate@asu.edu
480-965-7682

## Justice Studies, PHD (LAJUSSTPHD)

Online Degree Search Title: Justice Studies, PhD
Campus: Tempe

## Program Description:

The PhD program in justice studies at the nation's first School of Social Transformation invites all qualified applicants. The diverse community of scholars unites students and faculty across academic boundaries to strategically create social change that is democratic, inclusive and just. The interdisciplinary doctoral program in justice studies prepares future scholars and change agents to address complex social problems and become tomorrow's leaders.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with Juris Doctor, JD

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
JUS 620 Justice Research Methodology (3)
JUS 640 Theoretical Perspectives on Justice (3)

Other Requirement (3 credit hours)
JUS 630 Data Analysis for Justice Research (3) or
JUS 650 Advanced Qualitative Data Analysis (3) or
SST 691 Topic: Qualitative Methods for Qualitative Researchers (3)

Culminating Experience (12 credit hours)
JUS 799 Dissertation (12)

Additional Curriculum Information
For the other requirement course, students may take JUS 630, JUS 650, SST 691 or other methods course at ASU approved by the JSI graduate director.

Students entering the doctoral program with a master's or JD degree may complete a minimum of 54 credit hours for the program. In addition to the requirements listed above, coursework will include 15 credit hours of elective classroom hours (nine of which must have a JUS prefix) and 18 credit hours comprised of any combination of additional elective courses, reading and conference or research.

Students entering the doctoral program without a master's or JD degree are required to complete 84 credit hours. In addition to the requirements listed above, the coursework will include 12 credit hours of 500 -level foundation courses, 24 credit hours of elective classroom hours (15 of which must have a JUS prefix) and 27 credit hours comprised of any combination of additional electives courses, reading and conference or research.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- official GRE or LSAT scores taken within the last five years.
- three letters of recommendation (academic references are preferred)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should be one-and-a-half to two pages, double-spaced, outlining areas of interest, educational and career goals, and the writing sample should be 10 to 15 pages and should discuss the research that best represents the applicant's academic thinking and writing skills.

The PhD/JD option allows qualified students to earn a Juris Doctor from ASU's Sandra Day O'Connor College of Law while simultaneously earning a transdisciplinary doctoral degree in justice studies. Students must apply separately to both programs. Applicants should contact the Sandra Day O'Connor College of Law for their requirements.

Students should see the program website for application deadlines.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/justice-studies-phd
WILSN 125
SSTgraduate@asu.edu
480-965-7682

## Liberal Studies, MLSt (LAMLSMLS)

Online Degree Search Title: Liberal Studies, MLSt
Campus: Tempe, Online

## Program Description:

The MLSt program offers students interested in a transdisciplinary approach to human ideas and values an opportunity to expand their liberal arts backgrounds. The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts.

The program connects students to the entire College of Liberal Arts and Sciences and integrates the disciplines. This interdisciplinary approach trains students in the skills needed for the jobs of the future: communication, research and an understanding of the diverse and changing world. The degree can be completed entirely online or on campus with a selection of icourses.

Students should email the program director for advising appointments.

## Degree Requirements:

30 credit hours including the required applied project course (MLS 593).

Required Core ( 9 credit hours)
MLS 501 Writing About Social Issues: Culture, Gender, Society, and Well-Being in the Southwest (3)
MLS 502 Religion, Culture, and Health: Where Cultures Intersect (3)
MLS 503 Ethics, Science, and Culture (3)
MLS 504 Film Analysis (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)
MLS 593 Applied Project (3)

Additional Curriculum Information
Students choose three of the four courses listed above to fulfill the nine credit hour core requirement.

Emphasis areas available are borders (migration, health and cultural identity); gender, religion and culture; and science, nature and creative nonfiction writing.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a letter of interest in the program
- a resume, biographical statement or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-liberal-studies?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Liberal Arts \& Sciences, College of
Dean, College of Liberal Arts and Sciences
https://clas.asu.edu/content/liberal-studies-mlst
SS 301B
paulmorris@asu.edu
480-727-0819

## Liberal Studies (Film and Media Studies), MLSt (LAFMSMLS)

Online Degree Search Title: Liberal Studies (Film and Media Studies), MLSt
Campus: Tempe

## Program Description:

The MLSt program with a concentration in film and media studies offers students interested in a transdisciplinary approach to international human ideas and values an opportunity to expand their liberal arts background through the study of film and media in society. The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts.

Studies focus on the aesthetics and theory of international film and media. The program connects students to the entire College of Liberal Arts and Sciences and integrates the disciplines.

## Degree Requirements:

30 credit hours including the required applied project course (MLS 593).

Required Core ( 9 credit hours)
MLS 501 Writing About Social Issues: Culture, Gender, Society, and Well-Being in the Southwest (3)
MLS 502 Religion, Culture, and Health: Where Cultures Intersect (3)
MLS 503 Ethics, Science, and Culture (3)
MLS 504 Film Analysis (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)
MLS 593 Applied Project (3)

Additional Curriculum Information
Students choose three of the four courses listed above to fulfill the nine credit hour core requirement.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a letter of interest in the program
- a resume, biographical statement or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Liberal Arts \& Sciences, College of
Dean, College of Liberal Arts and Sciences
https://clas.asu.edu/content/liberal-studies-film-and-media-studies-mlst
SS 301B
paulmorris@asu.edu
480-727-0819

## Linguistics (certificate), Certificate (LALINGUICE)

Online Degree Search Title: Linguistics (Graduate Certificate)

## Campus: Tempe

## Program Description:

This transdisciplinary graduate certificate in linguistics offers students in several fields the opportunity to gain an understanding of the way in which languages are structured, how they are acquired, and how they vary over time, space, social distance and situational contexts.

The skills acquired through the completion of the core courses for this certificate include analytical abilities, critical thinking, effective communication and problem-solving. In addition, the knowledge acquired in the areas of discourse analysis and pragmatics makes students aware of the necessity to use appropriate registers and styles when creating written documents or oral presentations to different audiences.

## Degree Requirements:

18 credit hours.

Required Core Areas (9 credit hours)
discourse analysis and pragmatics (3)
phonology (3)
syntax (3)

Electives (9 credit hours)

Additional Curriculum Information
The electives may be chosen from fields such as applied linguistics, educational linguistics, natural language processing, second-language acquisition and sociolinguistics. The electives are determined by the student in consultation with a faculty advisor.

Prerequisite: Students must have completed an introductory course in linguistics taken at the upper-division or graduate level. They should consult the certificate program director for advice.

All certificate coursework must be completed with an average grade of " B " or higher ( 3.00 on a 4.00 scale).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should visit the Department of English website for specific details about English proficiency requirements.

Once the online application has been submitted, the applicant should send a copy of unofficial transcripts, a one- to two-page, well-considered statement of purpose detailing the student's background and reasons for wanting to do the linguistics certificate, and a resume to the department email address with the subject line: Linguistics Certificate Application.

To be considered for admission, an applicant must have taken an introductory course in linguistics at the upper-division or graduate level. Applicants must also show proof of a formal knowledge of a foreign language, equivalent to two years of study at the university level or plans to fulfill the language requirement concurrently with certificate courses. The language requirement may be met by completion of courses through the second-year level (four semesters) at ASU or elsewhere, or by completion of an upper-division language course with an average of "B" or better ( 3.00 on a 4.00 scale) for all such coursework ( 200 or 300 level), or through an examination that indicates placement above the 200 level. Language placement tests are available online at the Language Placement Policies and Tests webpage on the School of International Letters and Cultures website. If this requirement is not already fulfilled at the time of application, candidates must demonstrate completion of this requirement at the end of their certificate coursework in order for their certificate to be granted.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/node/239
RBH 125
enggrad@asu.edu
480-965-3194
Linguistics and Applied Linguistics, MA (LALINMA)
Online Degree Search Title: Linguistics and Applied Linguistics, MA
Campus: Tempe

## Program Description:

The MA degree program in linguistics and applied linguistics addresses the study of human language and the application of that study to the human
condition through training in linguistics and applied linguistics. At the master's level, it provides foundational training in several different areas, including discourse analysis, language and cognition, language contact and change, language planning, phonetics, phonology, pragmatics, second language acquisition, second-language teaching and learning, semantics, sociolinguistics, syntax, teaching English to speakers of other languages, and World Englishes.

## Degree Requirements:

Required Core (3 credit hours)
LIN 515 American English (3) or
LIN 516 Pragmatics and Discourse Analysis (3)

General Linguistics Track (6 credit hours)
LIN 511 Phonetics and Phonology (3)
LIN 514 Syntax (3)

Applied Linguistics Track (6 credit hours)
LIN 511 Phonetics and Phonology (3) or LIN 514 Syntax (3)
LIN 520 Second-Language Acquisition Theories (3) or APL 601 Introduction to Applied Linguistics (3)

Electives (12-15 credit hours)

Research (3 credit hours)
LIN 501 Approaches to Research (3)

Culminating Experience (3-6 credit hours)
LIN 599 or APL 599 Thesis (6)
LIN 593 or APL 593 Applied Project (3)

Additional Curriculum Information
Students choose one of the two tracks in either general linguistics or applied linguistics.

Electives are restricted based on the student's chosen track. For the general linguistics track, one of the electives must be a 600-level course from the approved course list.

Students who select the thesis option take 12 credit hours of electives. Applied project students select 15 credit hours of electives.

Students must demonstrate evidence of a competent knowledge of a natural language other than modern English, to be selected by the student, subject to the approval of the chair of the thesis committee or the director of the applied project. This requirement may be met by:

- earning a "B" or better ( 3.00 on a 4.00 scale) in a 400- or 500-level course in an appropriate (approved) language course
- demonstrating comparable proficiency by taking a language examination, administered by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- demonstrating native-speaker proficiency, as determined by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- earning a "B" or better ( 3.00 on a 4.00 scale) in both ENG 530 Old English and ENG 531 Old English Literature or their equivalent
- holding a bachelor's degree in an approved foreign language
- two years (four semesters) of successfully completed college-level coursework (completed no more than six years prior to admission to the degree program) at least at the 100 and 200 levels with a " C " or better (scale is $4.00=$ "A") for languages which the School of International Letters and Cultures does not offer or does not offer above the 200 level

Any course in which all class meetings are conducted in the approved language will satisfy the requirement for a "B" or better in a 400 - or 500 -level course in an appropriate language course; courses conducted in English will not satisfy the requirement. Also satisfying the requirement are GER 550 German for Reading Knowledge, FRE 550 French for Reading Knowledge, SPA 550 Spanish for Reading Knowledge, and ITA 550 Italian for Reading Knowledge. The Department of English does not require its graduate students to write papers in the approved language.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in such related fields as anthropology, applied linguistics, communication, cognitive science, comparative languages and literatures, literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religious studies, rhetoric, composition, sociology, speech and hearing science, from a
regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

Successful completion of (at least) one upper-division course in linguistics, language study, or related topic is required.

The one-page, single-spaced statement of purpose should explain the applicant's background in language study, reasons for wanting to do graduate work in linguistics, and plans for the future.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/admission/graduate-admission/master-arts-linguistics-and-applied-linguistics
RBH 125
enggrad@asu.edu
480-965-3194

## Linguistics and Applied Linguistics, PHD (LALINPHD)

Online Degree Search Title: Linguistics and Applied Linguistics, PhD

## Campus: Tempe

## Program Description:

The PhD program in linguistics and applied linguistics focuses on the study of human language and the application of that study to the human condition. Students in this program choose a research specialization in formal linguistics, applied linguistics, or some combination of these areas. The curriculum provides professional training in linguistics and applied linguistics with focused research in several areas, including discourse analysis, language and cognition, language contact and change, language planning, phonetics, phonology, pragmatics, second language acquisition, second language teaching and learning, semantics, sociolinguistics, syntax, teaching English to speakers of other languages, and World Englishes.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a foreign language exam, a prospectus and a dissertation.

Required Core (18 credit hours)
APL 555 Disciplinary Discourses (3)
APL 601 Introduction to Applied Linguistics (3)
LIN 511 Phonetics and Phonology (3)
LIN 514 Syntax (3)
LIN 515 American English (3) or LIN 516 Pragmatics and Discourse Analysis (3)
LIN 655 Disciplinary Discourses (3)

Electives and Research ( 24 credit hours)
LIN 501 Approaches to Research (3)

Specialization (21 credit hours)

Culminating Experience (12 credit hours)
LIN 799 or APL 799 Dissertation (12)

If students do not have a previously awarded master's degree, then 30 credit hours will be made up of additional elective coursework approved by their supervisory committee. If they have not taken the equivalent of LIN 510 in the 30 hours, they will have to take that course.

Additional Curriculum Information
Students must demonstrate evidence of a competent knowledge of a natural language other than modern English, to be selected by the student, subject to the approval of the chair of the dissertation committee. The language requirement must be completed before the student is eligible to take the doctoral examinations. This requirement may be met by any of the following:

- earning a "B" or higher ( 3.00 on a 4.00 scale) in a 400- or 500-level course in an appropriate (approved) language
- demonstrating comparable proficiency by taking a language examination, administered by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- demonstrating native-speaker proficiency, as determined by the School of International Letters and Cultures, in a language approved by the student's supervisory committee
- earning a "B" or higher ( 3.00 on a 4.00 scale) in both ENG 530 Old English and ENG 531 Old English Literature or their equivalent
- holding a bachelor's degree in an approved foreign language
- having fulfilled a foreign language requirement toward a previously awarded master's degree that was completed within five years of the semester for which the student was admitted to the doctoral program
- two years (four semesters) of successfully completed college level coursework (no more than six years prior to admission to the degree program) at least at the 100 and 200 levels with a "C" or better, for languages which the School of International Letters and Cultures does not offer or does not offer above the 200 level

The foreign language requirement must be in a language approved by the student's doctoral supervisory committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- academic writing sample relevant to the field
- GRE general test scores
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements.

Undergraduate degrees in such related fields as anthropology, applied linguistics, communication, cognitive science, comparative languages and literatures, literature, education, history, law, linguistics, modern languages, philosophy, political science, psychology, religious studies, rhetoric, composition, sociology, or speech and hearing science will be considered.

The one- to two-page, single-spaced statement of purpose should explain how the applicant's experience and training have prepared them for the program. It should also indicate career goals and explain how these goals relate to the graduate program in linguistics and applied linguistics. Applicants applying for funding must also submit a statement of teaching philosophy. Students should see the Department of English website for specific details.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/admission/graduate-admission/phd-linguistics-and-applied-linguistics
RBH 125
enggrad@asu.edu
480-965-3194

## Literary Translation Studies (Certificate), Certificate (LALTSGRCT)

Online Degree Search Title: Literary Translation Studies (Graduate Certificate)
Campus: Tempe

## Program Description:

The graduate certificate in literary translation studies is a transdisciplinary program offering coursework that provides:

- intensive engagement of students in translation practice
- investigation of issues related to the cultural role of the translator and translation
- studies in the variety of theoretical approaches to translation in the 20th and 21st centuries
- studies in trans-historical and cross-cultural theories of translation

These areas of emphasis enable students to gain expertise in practical and theoretical knowledge of the field of literary translation and to engage in developing new models for the practice of translation today. The program offers interested students the opportunity to develop an understanding of intercultural intersections and transdisciplinary approaches to the practice of translation and advanced training and mentorship in what is one of the most globally relevant fields in the 21st century.

## Degree Requirements:

15 credit hours including an applied project course (ENG 593 or SLC 593)..

Required Core (6 credit hours)
ENG 550 Translation (3)
SLC 551 Global Approaches to Translation (3)

Electives (6 credit hours)

Culminating Experience (3 credit hours)
ENG 593 Applied Project (3) or SLC 593 Applied Project (3)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- writing sample
- personal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should be no more than two pages and should summarize past educational experiences and goals in pursuing a graduate certificate.

Applicants should have knowledge of a language other than English, a minimum of six semesters of a second language, or the equivalent (for example, advanced placement in high school). Applicants who have passed a language proficiency exam achieving an advanced level in the target language may also apply.

As a prerequisite for taking SLC 551 Global Approaches to Translation (3), all students must attain an advanced level in reading and writing (equivalent of advanced American Council on the Teaching of Foreign Languages requirements, approximately equivalent to six semesters of undergraduate study) as measured by a written exam in the target language (i.e., French, German, Italian, Spanish). Students should see ACTFL guidelines (https://www.actfl.org/publications/guidelines-and-manuals/actfl-proficiency-guidelines-2012

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://international.clas.asu.edu/node/71
LL 440
silc@asu.edu
480-965-2826

## Marriage and Family Therapy, MAS (LAMFTMAS)

Online Degree Search Title: Marriage and Family Therapy, MAS
Campus: Tempe

## Program Description:

The purpose of this self-contained, accelerated MAS program in marriage and family therapy is to provide high-quality coursework and supervised internship experiences that meet the degree requirements for licensure in the State of Arizona to practice marriage and family therapy as determined and laid out by the Arizona Board of Behavioral Health Examiners. The degree requirements are specified by the board, and the program is designed to train practitioners who wish to practice marriage and family therapy.

## Degree Requirements:

39 credit hours and a master's research paper.

The master's degree program in marriage and family therapy requires the successful completion of a minimum of 39 credit hours and a project, including required coursework and completion of 300 client-contact hours in a community internship placement approved by the master's degree in marriage and family therapy faculty. Internships are expected to last approximately 12 months. Students must maintain a GPA of 3.00 (scale is 4.00 $=$ "A") in all coursework and satisfactorily meet the expectations of the agency supervising their internship.

Students are required to have a vehicle and a valid Arizona driver's license for internship placement.

An internship entrance examination will be held at the end of the first 7.5 -week semester, to demonstrate readiness for internship placement.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field, such as counseling, psychology, and family and human development, among others.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation must be from three people who know the applicant in a professional or academic capacity. Family members and friends do not meet this criterion.

Students should refer to the program's website for detailed information on admission requirements.

## Contact Information:

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/marriage-and-family-therapy-mas
SS 144
graduatesanford@asu.edu
480-965-6978

## Mathematics, MA (LAMATHMA)

Online Degree Search Title: Mathematics, MA
Campus: Tempe

## Program Description:

The MA program in mathematics is designed to increase mathematical knowledge beyond the traditional level of a bachelor's degree in order to prepare students for careers requiring sophisticated mathematical skills. Students may choose to specialize in:

- applied mathematics
- core mathematics
- mathematics education
statistics


## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years.
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computational Mathematical Sciences, BS
Mathematics, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and 2 written comprehensive exams, or 30 credit hours and a portfolio, or 30 credit hours, a thesis and a written comprehensive exam.

Thesis Option
The degree program requires:

- 30 credit hours of math or math-related graduate coursework, of which six credit hours must consist of the thesis (MAT 599)
- one qualifying sequence examination
- a final oral examination in defense of the thesis


## Nonthesis Option

The degree program requires:

- 30 credit hours of math or math related graduate coursework
- two qualifying sequence examinations or portfolio with oral presentation


## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics or a closely related field from a regionally accredited institution as well as coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371).

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
resume
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR A216
grad.math@asu.edu
480-965-3951
Mathematics, PHD (LAMATHPHD)
Online Degree Search Title: Mathematics, PhD
Campus: Tempe

## Program Description:

The PhD program in mathematics is intended for students with superior mathematical ability. It emphasizes a solid mathematical foundation and promotes creative scholarship in mathematics and its many related disciplines. The School of Mathematical and Statistical Sciences has very active research groups in analysis, number theory, geometry and discrete mathematics.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students must pass two qualifying examinations, a written comprehensive examination and an oral dissertation prospectus, and they should see the school website for examination information.

Students must register for 12 credit hours of dissertation (MAT 799).

Students must write a dissertation and defend it orally in front of five dissertation committee members.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, or a closely related area from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- resume
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Additional eligibility requirements include competitiveness in an applicant pool as evidenced by coursework in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371), and it is desirable that applicants have scientific programming skills.

## Contact Information:

## Liberal Arts \& Sciences, College of

School of Mathematical and Statistical Sciences
https://math.asu.edu

## Mathematics Education, PHD (LAMTEPHD)

Online Degree Search Title: Mathematics Education (Mathematics and Statistics Dept - Grades 9-20), PhD
Campus: Tempe

## Program Description:

This transdisciplinary PhD program accommodates students from a variety of academic backgrounds. It provides students with a solid foundation in graduate-level mathematics as well as research skills and perspectives that will allow them to deal broadly with mathematics problems of:

- curriculum
- learning
teaching
- technology

Conducting individual and collaborative research in the learning and teaching of mathematics is an integral part of the program.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Program requirements include the following:

- 12 credit hours of Research in Undergraduate Mathematics Education (RUME) 1-4, with qualifying exams given in RUME 1 and 2
- four graduate math courses from a list of options
- six credit hours of research (MTE 792)
- a written comprehensive examination
- an oral comprehensive examination
- an oral dissertation prospectus defense
- 12 credit hours of dissertation (MTE 799)

Students should see the school's website for information about qualifier and comprehensive examinations based on math coursework.

Each student must write a dissertation and defend it orally in front of five dissertation committee members.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics or a closely related area, with exceptionally high grades in advanced coursework in mathematics, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- writing sample
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Additional eligibility requirements include competitiveness in an applicant pool as evidenced by the required GRE scores.

At least two of the letters of recommendation must be from faculty.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/
WXLR A216
grad.math@asu.edu
480-965-3951

## Medieval Studies (certificate), Certificate (LAMEDSTCE)

Online Degree Search Title: Medieval Studies (Graduate Certificate)

## Campus: Tempe

## Program Description:

The certificate program in medieval studies prepares students for advanced study or for academic positions by augmenting their skills and knowledge, thereby making them better equipped to meet the demands of their fields.

## Degree Requirements:

18 credit hours (MA certificate), or 27 credit hours (PhD certificate).

Medieval Latin:
one semester (three or four credit hours) for students at the master's degree level, two semesters (six to eight credit hours) for doctoral students
proficiency attested either by achieving a grade of "B" ( 3.00 on a 4.00 scale) or better in the Medieval Latin courses or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies at the University of Toronto (the requirement presupposing two years or 12 to 16 credit hours or equivalent of undergraduate training in Latin)

Medieval vernacular language (e.g., Old English, Old Norse, Old French):
two semesters (six credit hours) for students at the master's degree level, three semesters (nine credit hours) for doctoral students

Paleography:
one semester (three credit hours)

Medieval coursework outside the major discipline:
two semesters (six credit hours) for students at the master's degree level, three semesters (nine credit hours) for doctoral students

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students in good standing who are enrolled in an existing master's or doctoral degree program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The Graduate College requires a TOEFL score of at least 550 (PBT) or 80 (iBT).

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://acmrs.org/academic-programs/certificate
COOR 4432
acmrs@asu.edu
480-965-8097

## Microbiology, MS (LAMICROMS)

Online Degree Search Title: Microbiology, MS
Campus: Tempe

## Program Description:

The MS program in microbiology is designed to prepare students for careers in teaching and research in various aspects of microbiology. Teaching or research may be performed in educational institutions, government agencies or industry.

## Degree Requirements:

30 credit hours and a thesis.

Required Core (3 credit hours)
MIC 501 Foundations in Microbiology (3)

Electives and Research (21 credit hours)

Culminating Experience (6 credit hours)
MIC 599 Thesis (6)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Desired Qualifications:

- GRE scores: 50 percent verbal and 70 percent quantitative
- research experience


## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Microbiology, PHD (LAMICROPHD)

Online Degree Search Title: Microbiology, PhD
Campus: Tempe

## Program Description:

The PhD program in microbiology offers a dynamic research environment; a broad range of basic, translational and use-inspired research areas; cutting-edge transdisciplinary training; and opportunities to work with world-class faculty and collaborative research partners committed to training scientific leaders with skills necessary to address significant global microbiological problems and challenges.

The program prepares students for research and teaching careers in universities and colleges, government agencies and industry.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The plan of study is designed by the student and the supervisory committee, which consists of a professor in the major and three additional faculty members. The program is tailored to the needs of the individual student.

Eighty-four credit hours are required.

A formal defense of the final written dissertation is required prior to graduation.

The remaining credit hours are comprised of coursework showing breadth in microbiology and related disciplines, seminars and research.

Twelve credit hours of dissertation are required.

Written and oral comprehensive examinations are required in order to advance to candidacy.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Desired qualifications include GRE scores that are 50 percent verbal and 70 percent quantitative, and research experience.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768
Molecular and Cellular Biology, MS (LACELLMS)
Online Degree Search Title: Molecular and Cellular Biology, MS

## Program Description:

The transdisciplinary molecular and cellular biology program is led by an interactive community of scientists dedicated to promoting a collaborative environment that encourages transdisciplinary, innovative, world-class research. The MS program in molecular and cellular biology is designed to provide diverse training opportunities for graduate students to prepare for successful careers in the biological sciences.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biological Sciences, BS
Biological Sciences (Biology and Society), BS

Biological Sciences (Biomedical Sciences), BS
Biological Sciences (Conservation Biology and Ecology), BS
Biological Sciences (Genetics, Cell and Developmental Biology), BS
Biological Sciences (Neurobiology, Physiology and Behavior), BS
Microbiology, BS
Molecular Biosciences and Biotechnology, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis.

Required Core (9 credit hours)
MCB 555 Advanced Molecular and Cellular Sciences (6)
MCB 556 Advanced Molecular and Cellular Biology II (3)

Electives or Research (11 credit hours)

Other Requirements (4 credit hours)
MCB 501 Seminar: Molecular and Cellular Biology Colloquium (4)

Culminating Experience (6 credit hours)
MCB 599 Thesis (6)

Additional Curriculum Information
Students are required to take MCB 501 each semester they are registered. If a student is registered for more or fewer than four semesters, the research hours and MCB 501 hours may be adjusted accordingly to reach 30 credit hours.

Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Desired Qualifications:

- GRE scores: 50 percent verbal and 70 percent quantitative
- research experience


## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Molecular and Cellular Biology, PHD (LACELLPHD)

Online Degree Search Title: Molecular/Cellular Biology, PhD
Campus: Tempe

## Program Description:

The PhD program in molecular and cellular biology prepares students for careers that span traditional disciplinary boundaries. Research in this exciting field is focused on understanding the fundamental molecular events that are at the core of all life. The goal of the program is to provide a diverse range of research and training opportunities for doctoral students interested in pursuing a transdisciplinary approach to their studies that extends beyond the traditional boundaries of biological research. The broad-based training provides the necessary skills for professional careers in academic institutions, governmental institutions and industry, particularly those related to health and chemical sciences.

Participating faculty members and researchers are drawn from multiple departments, colleges, centers and institutes across the university, including the School of Life Sciences; the Department of Chemistry and Biochemistry; the School of Biological and Health Systems Engineering; the School for Engineering of Matter, Transport and Energy; the School of Mathematical and Statistical Sciences; the School of Human Evolution and Social Change; the Department of Psychology; and the New College of Interdisciplinary Arts and Sciences. Participating faculty members are also based at partner institutions in the greater Phoenix area, including the Translational Genomics Research Institute, Mayo Clinic in Arizona, Barrow Neurological Institute, Carl T. Hayden Veteran's Administration Medical Center and University of Arizona College of Medicine-Phoenix.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The plan of study is designed by the student and the supervisory committee. The plan of study includes, core classes in molecular and cellular biology, colloquium, seminars and research for a total of 84 credit hours.

An oral and written comprehensive examination are required in order to advance to candidacy

A formal defense of the final written dissertation is required prior to graduation.

Twelve credit hours of dissertation are required and the remaining credit hours are comprised of core coursework, seminars and research.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the biological sciences, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Desired qualifications include GRE scores (50 percent verbal and 70 percent quantitative) and research experience.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Museum Studies, MA (LAMUSSTMA)

Online Degree Search Title: Museum Studies, MA
Campus: Tempe

## Program Description:

The MA program in museum studies examines how museums produce and reflect culture and examines the role museums play worldwide.

Students develop theoretical questions and applied skills that engage the functions, practices and critical analyses of museums. They also gain practical experience while being encouraged to challenge preconceived notions about museums and the way museums affect and are affected by societies and cultures. Designed to be use-inspired, socially embedded and transcultural, the program ensures that students understand the meaning and significance of museums in contemporary society and prepares them for diverse museum careers.

## Degree Requirements:

30 credit hours and a research portfolio.

Required Core ( 3 credit hours)
ASB 579 Critical Issues in Museum Studies (3)

Electives and Research (18)
ASB 592 Research (6)
Other electives and research (12)

Other Requirements (9)
ASB 500 Research Methods (3) or ASB 572 Museum Collection Management (3)
ASB 584 Internship (6) OR ASB 584 Internship (3) and ASB 580 Practicum (3)

Culminating Experience (0 credit hours)
Portfolio (0)

Additional Curriculum Information
For a complete list of approved elective and research courses, students should contact the school.

Internship (ASB 584) and Practicum (ASB 580) must be approved by their supervisory committees, usually in a museum setting or museum quality collection or archive related to their chosen area of study: anthropology, art history, theory and criticism or public history.

Other courses may be substituted for ASB 500 as an equivalent course with academic unit approval.

On completion of the internship, students must submit a journal or portfolio about the internship and skills acquired.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history).

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " $\mathrm{A} "$ ) in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215
Museum Studies (certificate), Certificate (LAMUSEUMCE)
Online Degree Search Title: Museum Studies (Graduate Certificate)
Campus: Tempe

## Program Description:

In the museum studies certificate program, students examine how museums produce and reflect culture and examine the role museums play worldwide.

Students develop theoretical questions and applied skills that engage the functions, practices and critical analyses of museums. They also gain practical experience while being encouraged to challenge preconceived notions about museums and the way they affect and are affected by societies and cultures. Designed to be use-inspired, socially embedded and transcultural, the program ensures that students understand the meaning and significance of museums in contemporary society and prepares them for diverse museum careers.

## Degree Requirements:

18 credit hours.

Required Core (3 credit hours)
ASB 579 Critical Issues in Museum Studies (3)

Electives (9 credit hours)

Other Requirements ( 6 credit hours)
ASB 580 Practicum (3) and ASB 584 Internship (3) OR
ASB 584 Internship (6)

Additional Curriculum Information
Certificate students may choose to specialize in areas such as anthropology, art history and public history.

For a complete list of approved elective and research courses, students should contact the school.

Internship (ASB 584) and Practicum (ASB 580) must be approved by their supervisory committees, usually in a museum setting or museum-quality collection or archive related to their chosen area of study: anthropology, art history, theory and criticism or public history.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count toward their degree program, with the approval and consent of the degree granting program. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to 12 credit hours may count toward their master's degree, with the approval and consent of the degree-granting program.
"A"). Students who require more time to finish the program (because of their part-time status or lack of desirable or available courses) must obtain approval from the executive committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history).

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement outlining educational and professional goals
- current curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

For information on spring admission, students should contact the School of Human Evolution and Social Change.

Disclosure information about the U.S. Department of Education Gainful Employment Program is available at https://catalog.asu.edu/files/disclosures/LAMUSEUMCE/Gedt.html (https://catalog.asu.edu/files/disclosures/LAMUSEUMCE/Gedt.html).

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.grad@asu.edu
480-965-6215

## Nanoscience, PSM (LANANPSM)

Online Degree Search Title: Nanoscience, PSM
Campus: Tempe

## Program Description:

The PSM in nanoscience is a cohesive program of transdisciplinary courses that provide the knowledge base required for research and innovation in nanoscience. The program incorporates courses in:

- chemistry and biochemistry
- electrical engineering
- materials science
- physics

Commercial innovation is a particular target goal of the degree, including applications in:

- biochemistry and sensing technology
- biophysics and biomedical technology
- nanomaterials and nanoscale devices

The Professional Science Master's degree program in nanoscience is suitable for working professionals as well as for students who have obtained a traditional bachelor's degree or master's degree in related fields.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's
degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biochemistry, BS
Biochemistry (Medicinal Chemistry), BS
Chemistry, BS
Materials Science and Engineering, BSE
Physics, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required applied project course (NAN 593).

Required Core (5 credit hours)
NAN 505 Nanoscience and Society (2) or NAN 506 Innovation and IP Management (2)
NAN 571 Quantum Physics (3) or NAN 544 Introduction to Nanoscience (3)

Electives or Research (15 credit hours)

Other Requirements (6 credit hours)
NAN 591 Professional Seminar (6)

Culminating Experience (6 credit hours)
NAN 593 Applied Project (6)

Additional Curriculum Information
Students must take either NAN 505 or NAN 506. Students may also take the other course as an elective.

Students with a physical science or engineering background should take NAN 571 Quantum Physics and students with a biochemistry or life sciences background should take NAN 544 Introduction to Nanoscience.

The program includes a two-semester, student-centered professional seminar in which emerges the central role of the program as a vehicle for innovation. During the spring semester and summer session, students conduct an individual applied project in association with a research group. Throughout the program, students interact with research faculty and other students in a variety of disciplines related to nanoscience. Students also meet with visiting speakers and industrialists in the professional seminar as well as in other seminars.

If taken full time, the PSM in nanoscience can be completed in 12 months (fall semester, spring semester and two eight-week summer sessions). Another option is the two-year, part-time program, which allows prospective students and their employers flexibility in scheduling the program of study.

Students should see the academic unit for a complete list of approved electives. Many of the requisite elective courses are currently offered within the Department of Physics and the Department of Chemistry and Biochemistry. Most are cross-listed with other units.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in physics, chemistry or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- two letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores or equivalent will be required for applicants whose native language is not English.

The personal statement should outline the applicant's research interests and why the applicant wants to apply to the Professional Science Master's degree program.

GRE scores are not required but will be taken into consideration if submitted.

Letters of recommendation should be from individuals familiar with the applicant's work or studies relevant to the program.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of Physics
https://nanoscience.asu.edu/
PSF 470
nanoscience@asu.edu
480-965-3561

## Natural Science (Geological Sciences), MNS (LANATSCIMN)

Online Degree Search Title: Geological Sciences, MNS
Campus: Tempe

## Program Description:

The School of Earth and Space Exploration participates in the program leading to the MNS in geological sciences. This transdisciplinary degree program is designed to meet the needs of professionals seeking a graduate-level degree. The program offers the opportunity for transdisciplinary graduate training in the natural sciences (i.e., biological sciences, mathematics and physical sciences) and cognate areas.

The degree program is especially suited for individuals who desire professional training rather than research training. Because of designed flexibility, the degree also offers the opportunity for individualized professional graduate programs depending upon the backgrounds and goals of the students. Students are expected to emphasize coursework in two or more areas of specialization. The program must be transdisciplinary.

## Degree Requirements:

30 credit hours and an applied project.

The supervisory committee is chosen by the student in conjunction with the advisor. The composition of the supervisory committee must reflect the transdisciplinary nature of the program. The student will develop a suitable applied project with the approval of the supervisory committee.

Students must submit a plan of study after conferring with the supervisory committee. While a minimum of 30 credit hours is required for the degree, more credit hours may be required by the supervisory committee, depending upon the background of the student and the nature of the proposed program. All students admitted to this program are also required to take two seminars:

GLG 500 SESE Colloquium (1)
GLG 591 Faculty Research Seminar (1)

In some cases, undergraduate courses may be required to remove deficiencies.

An applied project is required.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of purpose
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu/
ISTB4 795
sese-grad@asu.edu
480-965-5081

## Natural Science (Physics), MNS (LAPHYSMNS)

Online Degree Search Title: Physics, MNS
Campus: Tempe

## Program Description:

The MNS program in physics provides transdisciplinary graduate training in physics, physical science or physics education. The program is especially suited for high school science teachers who desire professional training rather than research training. Designed for flexibility, the curriculum also features individualized professional graduate programs. These programs are well-suited to the backgrounds and goals of students. Students are expected to emphasize coursework in two or more areas of concentration. The program must be transdisciplinary.

## Degree Requirements:

30 credit hours including the required applied project course (PHS 593).

The graduate advisor and the student suggest three faculty members who reflect the transdisciplinary nature of the program to serve on the supervisory committee, which upon the recommendation of the chair of the Department of Physics is appointed by the vice provost for the Graduate College soon after the student has been admitted to the degree program.

After conferring with the student, the supervisory committee will recommend the plan of study. The committee may require additional coursework to ensure proficiency, depending upon the student's background and the nature of the proposed program. In some cases, undergraduate courses may be required to overcome deficiencies.

Teachers may enroll in these courses in order to earn credit toward recertification or to pursue a Master of Natural Science degree. These courses are held during the summer. Depending on teacher interest, they may be offered at other times. For some courses, the prerequisites are two semesters of trigonometry-based college physics and an introductory calculus course.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's degree from a regionally accredited institution. The program is open to in-service high school teachers who have completed two semesters of college physics and an introductory calculus course. Under-prepared teachers can make up deficiencies in regularly scheduled courses. Students must be able to attend classes in-person at the Tempe campus.

Applicants must have a minimum of a 3.00 GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- two letters of recommendation
- personal statement
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals familiar with the applicant's work or studies relevant to the natural science program.

Conditions for admission are the availability of resources for the proposed program and a Department of Physics faculty member designated to serve as a graduate advisor.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of Physics
https://physics.asu.edu/node/282
PSF 470
physics.grad@asu.edu
480-965-3561

## Neuroscience, PHD (GCBMENPHD)

Online Degree Search Title: Neuroscience, PhD

Campus: Tempe

## Program Description:

Neuroscience involves the study of the nervous system and its relation to an organism's function. It encompasses how gene and nerve networks interact with the environment throughout an organism.

The PhD degree program in neuroscience integrates aspects of graduate-level training from many different units on campus as well as from the program's partner institutions distributed across the greater Phoenix area. Partner institutions include Barrow Neurological Institute, Translational Genomics Research Institute, University of Arizona College of Medicine and Sun Health Research Institute.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The program requires the completion of 84 credit hours of which only 12 hours are dissertation credits. At least 18 credit hours of formal coursework are required. In consultation with their committee and their supervisor or mentor, students will be able to customize their plan of study to suit their particular interests and goals.

Each student completes six credit hours of core course credits. The core course sequence must be completed before the oral and written evaluation examinations are taken. Additional credit hours will be comprised of specialized disciplinary courses or research credits chosen in consultation with the mentor and advisory committee. A one credit hour journal club seminar will be required each semester.

Advancement to candidacy will be dependent on successfully passing a formal comprehensive examination that includes a written proposal of the dissertation research and an oral examination in the broader areas that pertain to that research study. When the research is completed, the dissertation must be written and presented in a public seminar and successfully defended before the supervisory committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Regular admission may be granted to applicants who have achieved a GPA of 3.00 (scale is $4.00=$ " A ") or better in the last two years of work leading to a bachelor's degree and who are competitive in the applicant pool as evidenced by GRE verbal, quantitative and analytical scores, the statement of educational and career goals (personal statement) and the letters of recommendation. Particular attention will be paid to research experience and overall preparation in problem-solving abilities as evidenced by previous coursework, research experiences and GRE scores.

Because this program draws on an extremely broad range of disciplinary backgrounds in recruiting students, there is no specific set of undergraduate course requirements other than those implied by the degree requirements described above. Most students will be expected to have had coursework in biology, chemistry and math or demonstrated ability through a subject test GRE.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- academic record form
personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Desired qualifications:

- GRE scores: 50 percent verbal and 70 percent quantitative
- research experience


## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768
Philosophy, MA (LAPHILMA)
Online Degree Search Title: Philosophy, MA
Campus: Tempe

## Program Description:

The School of Historical, Philosophical, and Religious Studies offers an MA degree program in traditional and contemporary philosophy. General areas of research include ethics, political philosophy, metaphysics, epistemology, philosophy of law, philosophy of science, feminist philosophy, philosophy of language, experimental philosophy and the history of philosophy. Members of the faculty are involved in interdisciplinary work in a variety of fields and enjoy close ties with the Lincoln Center for Applied Ethics, the Sandra Day O'Connor College of Law, and a number of other graduate programs at ASU. The philosophy program sponsors an active colloquium series and regular philosophical conferences on diverse topics. The Lincoln Center for Applied Ethics also sponsors a wide range of activities, including large-scale conferences, distinguished visitors and support for graduate study.

The master's degree program in philosophy is designed to prepare students to:

- enter doctoral programs
- teach philosophy at the community college level
- work in any area that requires critical, analytical thinking, such as medicine, law, government, or publishing

The program seeks to maintain a balance between course offerings in the traditional areas of philosophy and opportunities for study of current philosophical developments.

## Degree Requirements:

30 credit hours and a portfolio, or 30 credit hours and a thesis.

There are two options for the master's degree program in philosophy: the thesis option and the nonthesis portfolio option.

The thesis options requires 30 credit hours of coursework, including six credit hours of PHI 599 Thesis.

The nonthesis portfolio option requires 30 credit hours of coursework, including three credit hours of PHI 592 Research.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
- statement of purpose
- curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency as well as a copy of an article or research paper in their native or principal research language in addition to the English writing sample required of all students. The philosophy program requires a TOEFL score of at least 600 (PBT) or 90 (iBT).

GRE Scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007 . The department code may be left blank or entered as 0000.

The statement of purpose should explain the applicant's specific intent and be no more than 600 words in length.

The writing sample must be a piece of philosophical writing, preferably a seminar paper or published article (no more than 20 pages) and not a thesis or dissertation.

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/179
COOR 4595
SHPRSGradInfo@asu.edu
480-965-5778
Philosophy, PHD (LAPHILPHD)
Online Degree Search Title: Philosophy, PhD
Campus: Tempe

## Program Description:

The School of Historical, Philosophical and Religious Studies offers a newly redesigned PhD program that focuses on practical and applied philosophy. General areas of research include ethics, political philosophy, metaphysics, epistemology, philosophy of law, philosophy of science, philosophy of language, philosophy of religion and the history of philosophy. Members of the faculty are involved in interdisciplinary work in a variety of fields and enjoy close ties with the Lincoln Center for Applied Ethics, the College of Law, and a number of other graduate programs at the university. The ASU philosophy faculty group sponsors an active colloquium series and regular philosophical conferences on diverse topics. The Lincoln Center for Applied Ethics also sponsors a wide range of activities, including large-scale conferences, distinguished visitors and support for graduate study.

The doctoral program in philosophy features a focus on practical and applied philosophy and an interdisciplinary coursework component related to the student's research topic. Practical philosophy includes the fields of ethics, philosophy of law, social and political philosophy, feminist ethics and political philosophy. Applied philosophy includes both the application of theories developed within any of the subdisciplines of philosophy to everyday problems or phenomena (for example, the application of the philosophy of language in relation to hate speech or the philosophy of mind in relation to computing and artificial intelligence). Applied philosophy also includes the application of research produced by methods used in other disciplines in order to understand and address philosophical questions (for example, the application of data-gathering instruments used in psychology to answer questions in experimental philosophy).

Students may design dissertation projects in any of the major subfields of philosophy. For their interdisciplinary coursework supporting the dissertation project, students might, for example, pursue a certificate in social transformation, gender studies, responsible innovation in sciences, or engineering and society, etc. The program is designed to prepare students for careers as philosophers, as teachers of philosophy, and in areas in which they may benefit from advanced training in philosophy, such as law, civil service and publishing.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core Areas (18 credit hours)
applied philosophy (3)
epistemology (3)
formal methods (3)
history of philosophy (3)
metaphysics (3)
value theory (3)

Research (12 credit hours)
PHI 792 Research (12)

Culminating Experience (12 credit hours)
PHI 799 Dissertation (12)

Additional Curriculum Information
Students should see the academic unit for the list of courses approved for each required core area.

In completing the electives requirements, at least nine credit hours and no more than 18 credit hours must be from other disciplines supporting the student's proposed dissertation area. Thirty credit hours from a previously awarded master's degree may apply toward this requirement with approval by the student's supervisory committee and the Graduate College.

To ensure breadth in the traditional areas of philosophy, students must pass with a grade of " B " ( 3.00 on a 4.00 scale) or better.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- official GRE scores
statement of purpose
- curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency as well as a copy of an article or research paper in their native or principal research language in addition to the English writing sample required of all students. The philosophy program requires a TOEFL score of at least 600 (PBT) or 90 (iBT).

GRE scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007 . The department code may be left blank or entered as 0000

The statement of purpose should explain the applicant's scholarly background and training, career goals, the primary field the applicant wishes to pursue, and the proposed research specialization (no more than 600 words in length).

The writing sample must be a piece of philosophical writing, preferably a seminar paper or published article (no more than 20 pages).

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/content/philosophy-phd-0
COOR 4595
SHPRSGradInfo@asu.edu
480-965-5778
Philosophy (History and Philosophy of Science), MA (LAHPSMA)
Online Degree Search Title: Philosophy (History and Philosophy of Science), MA
Campus: Tempe

Nationally, there is great interest in science and in understanding the nature of science and the forces that change scientific research. The job market in philosophy is strong for philosophers of science (and especially in the life sciences) with some positions remaining unfilled even when the market is intensely competitive in other areas. In addition, the history and philosophy of science is becoming a strong disciplinary emphasis within growing professional societies.

Some programs, elsewhere, focus primarily on philosophy or primarily on history, but those that bring the two together are regarded among the strongest in each area. The objective here is to provide a program for students who come to history and philosophy of science from the humanities and who seek a career based in philosophical analysis of the sciences. ASU's MA program in philosophy with a concentration in the history and philosophy of science has the research strength competitive with any international program.

## Degree Requirements:

30 credit hours, including the required capstone course (HPS 551) and a thesis.

Graduate coursework includes:
history of science (3)
philosophy of science (3)
topics in the history of science (3)
topics in the philosophy of science (3)
research methods in the history and philosophy of science (3)
prospectus writing (3)
research and thesis (12)

## Admission Requirements:

This program is no longer accepting applications.

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://sols.asu.edu/degree-programs/graduate
LSC 284
SOLS@asu.edu
480-965-8927
Philosophy (History and Philosophy of Science), PHD (LAHPSPHD)
Online Degree Search Title: Philosophy (History and Philosophy of Science), PhD
Campus: Tempe

## Program Description:

The strength of ASU's PhD program in philosophy with a concentration in the history and philosophy of science is to bring philosophy, history and the study of science together. This degree program combines solid training in the core areas of philosophy with an emphasis on transdisciplinary studies of the sciences, and their:

- conceptual structure
- epistemology
- history
- impacts on society

The program is especially appropriate for students with a background in philosophy who seek to broaden their disciplinary studies with a historical perspective. Applicants will typically come from undergraduate programs that have included philosophical, historical, or history and philosophy of science training, or with a master's degree in one of those fields. Science students are eligible as well and will make up relevant undergraduate humanistic core courses during their first years.

Most graduates will seek a career based in philosophical or historical analyses of the sciences.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation
philosophy of science (3)
prospectus writing (3)
research methods in the history and philosophy of science (3)
topics in the history of science (3)
topics in the philosophy of science (3)

Other Requirements (21 credit hours)
advanced logic or approved equivalent (3)
approved philosophy or other relevant courses (9)
a course in history of philosophy (3)
a course in value theory (3)
HPS 615 Biology and Society Lab (3 hours, one credit each)

Electives or Research (33 credit hours)

Culminating Experience (12 credit hours)
HPS 799 Dissertation (12)

## Admission Requirements:

This program is not currently accepting applications.

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://sols.asu.edu/degree-programs/history-and-philosophy-science-phd
LSC 226
SOLS@asu.edu
480-965-1768
Physics, MS (LAPHYSIMS)
Online Degree Search Title: Physics, MS
Campus: Tempe

## Program Description:

The MS program in physics provides graduate instruction and research experience appropriate to many physics-related careers. The structure of the program is flexible enough to allow a wide range of programs of study and a wide range of student backgrounds. It is also suitable for part-time study.

Completion of the program requires a minimum of two years, with students typically taking courses for the first three semesters and completing a research project in their final semester. The student defends a master's degree thesis at the end of the program.

## Degree Requirements:

30 credit hours and a thesis.

The master's degree in physics can emphasize either physics or physics in combination with other fields.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in physics or a closely related field, from a regionally accredited institution. To be admitted to the master's degree program in physics without deficiencies, applicants should have adequate undergraduate preparation equivalent to an undergraduate major of 30 credit hours in physics and 20 credit hours in mathematics. Courses in analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- test scores for the verbal, quantitative and analytical sections of the GRE
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency in the form of a TOEFL or equivalent score

Submission of scores for the physics GRE subject test is recommended, although not mandatory.

Financial support in the form of teaching or research assistantships is contingent upon:

- satisfactory performance in coursework
- timely completion of the final examination for the master's degree
- need and availability of such support

Students on probation are offered financial support only under exceptional circumstances.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of Physics
https://physics.asu.edu/
PSF 470
physics.grad@asu.edu
480-965-3561

## Physics, PHD (LAPHYSIPHD)

Online Degree Search Title: Physics, PhD
Campus: Tempe

## Program Description:

The PhD in physics is intended for highly capable students having the interest and ability to follow a career in independent research. Graduates find positions in a variety of settings, such as:

- academic faculty
- administration
- government labs
- industrial labs
- management

The recent advent of the graduate faculty initiative at ASU extends the spectrum of potential physics doctoral topics and advisors to include highly transdisciplinary projects that draw upon:

- biochemistry
- biology
- chemistry
- electrical engineering
- materials science
- other related fields

Consequently, students and doctoral advisors can craft novel doctoral projects that transcend the classical palette of physics subjects.
Transdisciplinary expertise of this nature is increasingly vital to modern science and technology.

Current areas of particular emphasis within the department include:

- biological physics
- cosmology
- electron diffraction and imaging
- nanoscale and materials physics
- particle physics and astrophysics

The department has more than 90 doctoral students and more than 40 faculty members.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Coursework (18 credit hours)
PHY 500 Research Rotation I (3)
PHY 500 Research Rotation II (3)
PHY 521 Classical and Continuum Mechanics (3)
PHY 531 Electrodynamics (3)
PHY 541 Statistical Physics (3)
PHY 576 Quantum Theory (3)

Electives or Research (54 credit hours)

Culminating Experience (12 credit hours)
PHY 799 Dissertation (12)

Additional Curriculum Information
Of particular note within the core courses are the PHY 500 Research Rotations, which are specifically designed to engage doctoral students in genuine, faculty-guided research starting in their first semester at ASU. Students take PHY 500 in the first and second year of study.

Coursework beyond the core courses is established by the student's doctoral advisor and supervisory committee, working in partnership with the student. The intent is to tailor the doctoral training to the specific research interests and aptitudes of the student while ensuring that each graduating student emerges with the expertise, core knowledge and problem-solving skills that define a successful doctoral degree in physics.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 credit hours of coursework will be made up of electives to reach the required 84 credit hours.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in physics or a closely related area, from a regionally accredited institution. Applicants must have had adequate undergraduate preparation equivalent to an undergraduate major of 30 credit hours in physics and 20 credit hours in mathematics. Courses in analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 GPA (scale is $4.00=$ ""A"") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
personal statement
- resume
- GRE scores (general GRE and physics GRE)
- three letters of recommendation
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

Scores from the verbal, quantitative and analytical sections of the GRE are required. The subject GRE test scores are also required.

Applicants requesting credit for prior graduate courses, taken either at ASU or elsewhere, must demonstrate mastery of the relevant course material to the graduate-level standards of the Department of Physics.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of Physics
https://physics.asu.edu/student-life/phd-experience
PSF 470
physics.grad@asu.edu

## Plant Biology and Conservation, MS (LAPLBIOMS)

Online Degree Search Title: Plant Biology and Conservation, MS

## Campus: Tempe

## Program Description:

Conservation addresses a growing need for botanists and conservation biologists in academic institutions, government agencies and nongovernmental organizations. The MS program in plant biology and conservation provides students with advanced training in plant ecology, evolution and floristics as well as in theory and practice of conservation biology. Students have the opportunity to work with faculty and researchers from ASU and the Desert Botanical Garden, which is located near ASU's Tempe campus.

## Degree Requirements:

30 credit hours and a thesis.

Required Core ( 3 credit hours)
PLB 502 Perspectives in Plant Biology (3)

Research (3 credit hours)
PLB 592 Research (3)

Electives (17 credit hours)

Other Requirements (1 credit hour)
PLB 591 Seminar (1)

Culminating Experience (6 credit hours)
PLB 599 Thesis (6)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in biology, botany or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

Applicants must submit the following:

- graduate admission application and application fee
- official transcripts
- academic record form
- personal statement
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Desired qualifications include:

- GRE scores: 50 percent verbal and 70 percent quantitative
- research experience


## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences

## Political Science, MA (LAPOLSCMA)

Online Degree Search Title: Political Science, MA
Campus: Tempe

## Program Description:

The MA program in political science provides advanced education for students preparing for teaching, research or applied careers in political science. This degree program may be taken as a terminal program or as a step toward eventual fulfillment of the requirements for the PhD. Students who plan to obtain the doctorate at ASU should apply directly to the doctoral program.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Global Studies, BA
Political Science, BS
Political Science, BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a portfolio, or 30 credit hours and a thesis.

A minimum of 30 credit hours is required for the degree. This program includes two options: a thesis and portfolio (nonthesis).

All candidates must take POS 503 Empirical Political Inquiry (3) and the core courses in the student's major field. Coursework in other units beyond the six credit hour maximum may be taken with permission of both the director of Graduate Studies and the faculty advisor. Six credit hours of reading and conferences (POS 590) or independent study (POS 592) may count toward the 30 credit hour requirement. Additional credit hours must be taken in graduate-level courses and seminars each semester until coursework is completed.

If the thesis option is followed, the program must include six credit hours of thesis (POS 599).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- GRE scores
- three letters of recommendation
- list of political science courses taken
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

To assist in evaluating all candidates, the applicant should list titles and related information for all previous undergraduate and graduate courses or coursework in political science or related fields. The file must be saved in a .doc, .rtf or .txt format and uploaded with the online graduate admission application. The information should be in a table with the following column headings: Crs Title, Undergrad Credit Hrs, Graduate Credit Hrs, Grade, Institution, Year

Undergraduate coursework in political science is not a prerequisite for admission. However, master's degree students should have a basic understanding of elementary statistics and the undergraduate content of the political science fields of concentration that they wish to study. Students should allow sufficient time to acquire such a background.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://pgs.clas.asu.edu
COOR 6801
spgs@asu.edu
480-965-8563

## Political Science, PHD (LAPOLSCPHD)

Online Degree Search Title: Political Science, PhD
Campus: Tempe

## Program Description:

The PhD program in political science is intended to develop scholars who demonstrate a high level of excellence in teaching and research as professional political scientists. It is distinguished by a wide variety of areas of specialization, including:

- American politics
- comparative politics
- international relations
- political theory*
*Students interested in a political theory specialization should consult with the academic unit prior to application.


## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)
POS 503 Empirical Political Inquiry (3)

Electives and Research (39 credit hours)

Culminating Experience (12 credit hours)
POS 799 Dissertation (12)

Additional Curriculum Information
A maximum of 12 credit hours of approved coursework outside the department but within ASU may count toward the required 84 credit hours.

Coursework beyond the 12 credit hour maximum may be taken outside the department with permission of both the director of Graduate Studies and the faculty advisor.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives to reach the required 84 credit hours.

Also required is a formal oral defense of the dissertation, an oral comprehensive examination covering the dissertation prospectus, and a written comprehensive examination in the major and minor fields.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.
or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
writing sample
- GRE scores
- three letters of recommendation
- list of political science courses taken
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

To assist in evaluating all candidates, the applicant should list titles and related information for all previous undergraduate and graduate courses or coursework in political science or related fields. The file must be saved in a .doc, .rtf or .txt format and uploaded with the online graduate admission application. The information should be in a table with the following column headings: Crs Title, Undergrad Credit Hrs, Graduate Credit Hrs, Grade, Institution, Year.

Undergraduate coursework in political science is not a prerequisite for admission. However, master's degree students should have a basic understanding of elementary statistics and the undergraduate content of the political science fields of concentration that they wish to study. Students should allow sufficient time to acquire such a background.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://pgs.clas.asu.edu
COOR 6801
spgs@asu.edu
480-965-8563

## Psychology, PHD (LAPSYCHPHD)

Online Degree Search Title: Psychology, PhD
Campus: Tempe

## Program Description:

The Department of Psychology offers PhD programs designed to provide outstanding training in innovative research, methodology and the application of psychological principles to a wide variety of human conditions. The department is organized into six major areas of interest:

- behavioral neuroscience
- clinical psychology
cognitive science
- developmental psychology
- quantitative (must apply to the Quantitative Research Methods PhD)
- social psychology

Students pursue their graduate studies within one of these six areas, and each area determines the basic curriculum for their graduate program. There is, however, substantial opportunity to integrate courses of study across areas in the department.

Further specialized emphases are available that integrate across programs in the university (e.g., integrating psychology and law).

At the core of doctoral training in psychology is an emphasis on the development of skill in research and quantitative methods. Faculty in all six areas are actively engaged in major research programs. These theoretically grounded research programs address the breadth of psychological processes:

- cognitive processes (e.g., attention, language, memory) as they occur within the context of perception and action, personality and issues of stigma and prejudice
- cultural influences on psychological processes
- evolution and behavior
- individual resilience
- lifespan developmental aspects of emotion and cognition
- neurobiological and psychosocial processes that underlie behavior and health (e.g., drug abuse, stress, heart disease)
- prevention of child mental health problems

A unique strength of the Department of Psychology is the wealth of outstanding faculty members whose specialization is quantitative methods. A breadth of courses and experiences in quantitative methods are available that are well-integrated into the areas of research that characterize the department and offer students the distinctive opportunity to develop expertise in this critical domain.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with Juris Doctor, JD

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

In addition to required coursework (according to training area), students take courses related to their area of interest as determined in consultation with their supervisory committees. All doctoral students complete 12 dissertation credit hours. Requirements vary across training areas.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

The Department of Psychology application process is completed online through ASU's Graduate Admission Services which includes the application form and official transcripts. Application to Department of Psychology doctoral programs is also completed via SlideRoom, to process supplemental application materials. The SlideRoom account requires an additional fee. To apply to the doctoral programs, applicants must follow the instructions on the Doctoral Program Admissions Instructions and Checklist.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- SlideRoom application and fee
- statement of purpose form
- applicant response form
- graduate assistantship application
curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

It is strongly recommended that applicants download and print the Doctoral Program Admissions Instructions and Checklist to ensure completion of the application process and include all of the required supplemental forms:

Applicants must submit three academic letters of recommendation from faculty members who know the student well. Three letters are required but four letters of recommendation may be submitted

Contact Information:
Liberal Arts \& Sciences, College of
Department of Psychology
https://psychology.clas.asu.edu/degrees/doctoral
PSY 203
psychgrad@asu.edu
480-965-7598

## Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)

Online Degree Search Title: Psychology (Quantitative Research Methods), PhD
Campus: Tempe

## Program Description:

The quantitative research methods concentration of the PhD in psychology focuses on the broad class of quantitative and methodological issues that arise in the conduct of both basic and applied psychological research. There are six core faculty members in the quantitative concentration who, in addition to their quantitative research, collaborate with colleagues in substantive research areas. This collaboration supports the training of students in quantitative methods against a backdrop of methodological issues associated with the substance of psychological science. The quantitative concentration is committed to training the next generation of psychological methodologists who will make contributions in developing methods in the areas of measurement, design and analysis, and in evaluating the utility of new and existing methods in psychological research.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The quantitative curriculum is structured as a series of progressively more advanced courses. New quantitative courses may be implemented under an omnibus number (PSY 591) at the interest of the faculty.

Students complete the following coursework:

PSY 530 Intermed Statistics (3)
PSY 531 Multiple Regression in Psychological Research (3)
PSY 532 Analysis of Multivariate Data (3)
PSY 533 Structural Equation Modeling (3)
PSY 534 Psychometric Methods (3)
PSY 555 Experimental and Quasi-Experimental Designs for Research (3)
PSY 591 Quantitative Seminar (3 credit hours annually)

During the course of training, students also complete these requirements:
psychological methodology electives (12)
substantive coursework (6)
additional substantive or psychological methodology electives (6)
PSY 599 Master's Thesis (6)
PSY 792 Post-Master's Research (12)
PSY 799 Dissertation (12)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in psychology or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

The Department of Psychology application process is completed online through ASU's Graduate Admission Services which includes the application form and official transcripts. Application to the Department of Psychology doctoral programs is also completed via SlideRoom, to process supplemental application materials. The SlideRoom account requires an additional fee. To apply to the doctoral programs, applicants must follow the instructions on the Doctoral Program Admissions Instructions and Checklist.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- SlideRoom application and fee
- statement of purpose form
- applicant response form
- graduate assistantship application
- curriculum vitae or resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

It is strongly recommended that applicants download and print the Doctoral Program Admissions Instructions and Checklist to ensure completion of the application process and include all of the required supplemental forms.

Applicants must submit three academic letters of recommendation from faculty members who know the student well. Three letters are required but four letters of recommendation may be submitted.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of Psychology
https://psychology.clas.asu.edu/content/psychology-quantitative-research-methods-phd
PSY 203
psygrad@asu.edu
480-965-7606

## Religious Studies, MA (LARELIGMA)

Online Degree Search Title: Religious Studies, MA
Campus: Tempe

## Program Description:

The faculty in religious studies offer a graduate program leading to the MA in religious studies. Candidates are offered an opportunity to develop knowledge of various religious traditions in their historical and cultural contexts and to learn research methods. Although students often concentrate upon a single religious tradition for their thesis work, the program seeks to provide a broadly comparative understanding of religions, not simply a specialist's training in a single tradition.

## Degree Requirements:

30 credit hours including the required applied project course (REL 593) and a foreign language exam, or 30 credit hours, a thesis and a foreign language exam.

Required Core (6 credit hours)
REL 501 Research Methods in Religious Studies (3)
REL 502 Research Methods in Religious Studies (3)

Electives or Research (18-21 credit hours)

Culminating Experience (3-6 credit hours)
REL 599 Thesis (6) or
REL 593 Applied Project (3)

Additional Curriculum Information
There are two options for the culminating experience: a thesis or an applied project. An oral defense of the final written work is required for both options.

The thesis option is recommended for students intending to seek admission to a doctoral program upon completion of the master's degree or planning to teach in the discipline at community colleges. Thesis students must have reading knowledge of all languages relevant to the proposed thesis topic and take 18 credit hours of electives or research coursework.

The applied project option is recommended for students intending to augment their primary area of expertise and professional training in fields such as counseling, journalism, K-12 education, law, social work and the ministry. The applied project requires submission of three publishable papers: one on theory and method, one on the student's minor area of study, and one on the major area of study. The student's chosen areas of study determine the coursework taken as electives, with applied project students taking 21 credit hours of electives coursework, four courses being in a major area of study and two courses being in a minor area. Reading knowledge of a foreign language relevant to the proposed area of study is required.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Transcripts must show evidence of having completed the equivalent of 15 credit hours of undergraduate work in the study of religions, including advanced courses in both western and Asian or other nonwestern religions. Applicants who have not met this requirement may be required to take additional coursework beyond program requirements to remedy this deficiency.

Applicants must have a minimum of a 3.30 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program. The most competitive applicants will have a GPA of 3.50 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- curriculum vitae
writing sample
- contact information for three references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The Graduate College requires a minimum TOEFL score of 550 (PBT) or 80 (iBT).

Students are required to submit contact information for three academic references who are qualified to provide detailed, accurate evaluations of the applicant's potential as a graduate student in religious studies. Professors are preferred, particularly faculty advisors. Recommenders are contacted by the Graduate College with a request to complete a reference questionnaire.

GRE scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007 . The department code can be left blank or entered as 0000.

The statement of purpose should be approximately 1,000 words and should outline the applicant's academic background, career goals, and specific areas of interest in religious studies.

Contact Information:
Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/content/religious-studies-ma
COOR 4595
SHPRSGradInfo@asu.edu
480-965-5778

## Religious Studies, PHD (LARELIGPHD)

Online Degree Search Title: Religious Studies, PhD
Campus: Tempe

## Program Description:

The academic study of religion is a central component of the humanities and has become increasingly recognized as a critical tool in understanding society and politics in a globalized world.

The PhD program in religious studies is designed for graduate students who would benefit from greater expertise regarding the nature and role of religion around the world. The program provides supplementary training that includes history, anthropology, political science, journalism, secondary education and justice studies. Through this program, graduate students are trained for careers as scholars and teachers in the academic study of religion.

Doctoral tracks in the study of religion approach the study in a variety of contexts. Specifically offered are tracks in:

- anthropology of religion
- global Christianity
- Islam in global contexts
- religion in Asia
- religion in the Americas


## Degree Requirements:

84 credit hours, foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
student's supervisory committee.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Transcripts must show evidence of having completed the equivalent of 15 credit hours of undergraduate work in the study of religions, including advanced courses in both western and Asian or other nonwestern religions. Applicants who have not met this requirement may be required to take additional coursework beyond program requirements to remedy this deficiency.

Applicants must have a minimum of a 3.30 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.30 cumulative GPA (scale is $4.00=$ "A") in an applicable master""s degree program. The most competitive applicants will have a GPA of 3.50 or higher.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of purpose
- curriculum vitae
- writing sample
- contact information for three references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The Graduate College requires a minimum TOEFL score of 550 (PBT) or 80 (iBT).

The statement of purpose should be approximately 1,000 words describing the applicant's academic background, the reasons for wishing to pursue a doctorate in religious studies, the proposed area of specialization, and specific research topics the student plans to engage in at Arizona State University

The writing sample should be a work of original scholarly writing, approximately 15 to 30 pages in length. It should represent the student's best academic writing.

Students are required to submit contact information for three academic references who are qualified to provide detailed, accurate evaluations of the applicant's potential as a graduate student in religious studies. Professors, particularly faculty advisors, are preferred. Recommenders are contacted by the Graduate College with a request to complete a reference questionnaire. Letters of recommendation can be submitted in addition to answering these questions online.

GRE scores should be no more than five years old. Official scores should be sent by the ETS to ASU using the university code 4007. The department code can be left blank or entered as 0000.

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/content/religious-studies-phd-0
COOR 4595
SHPRSGradInfo@asu.edu
480-965-5778
Renaissance Studies (certificate), Certificate (LARENAISCE)
Online Degree Search Title: Renaissance Studies (Graduate Certificate)
Campus: Tempe

## Program Description:

The Renaissance studies certificate program prepares students for advanced study or for academic positions by augmenting their skills and knowledge, thereby making them better equipped to meet the demands of their fields.

## Degree Requirements:

18 credit hours (MA certificate), or 27 credit hours (PhD certificate).

## Renaissance Language:

Master's degree students are required to take one semester of a Renaissance language (three to four credit hours). Doctoral degree students of Medieval/Renaissance Latin, Spanish literature or Portuguese literature are required to take two semesters (six to eight credit hours). This requirement presupposes two years or 12 to 16 credit hours or the equivalent of undergraduate training in Latin.

Proficiency is proven either by achieving a grade of "B" or better ( 3.00 on a 4.00 scale) in the medieval Latin courses or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies, University of Toronto.

Early modern language at the upper-division level:
Master's degree students are required to take two semesters (six credit hours). Doctoral degree students are required to take three semesters (nine credit hours). Literature or linguistics classes may apply.

Paleography:
Students are required to take one semester (three credit hours).

Coursework outside the major discipline
Master's degree students are required to take two semesters (six credit hours). Doctoral degree students are required to take three semesters (nine credit hours).

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Admission is open to all ASU graduate students enrolled in an existing master's degree or doctoral program and in good standing

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The Graduate College requires a TOEFL score of at least 550 (PBT) or 80 (iBT).

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://acmrs.org/academic-programs/certificate
COOR 4432
acmrs@asu.edu
480-965-8097

## Scholarly Publishing (certificate), Certificate (LASCHPUBCE)

Online Degree Search Title: Scholarly Publishing (Graduate Certificate)
Campus: Tempe

## Program Description:

The scholarly publishing certificate program offers training in publishing studies to graduate students from any discipline. The program focuses on publishing wherever it occurs: museums, corporations, cultural institutions, university presses, commercial houses, digital startups, libraries, journal and textbook publishers, and learned societies. Students create the future world of publishing as it is expressed in the digital world of e-books, apps, blogs, websites, interactive media, online scholarship and popular writing. Graduates work for publishing houses, museums, corporations, cultural institutions, government agencies and libraries.

## Degree Requirements:

20 credit hours

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- a resume or curriculum vitae
- a letter of inten
- three reference letters
- official transcripts
writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Graduate students in any discipline may pursue a certificate in scholarly publishing in conjunction with their degree programs. The program is also open to students who already hold graduate degrees

The resume or curriculum vitae is required, and it must be uploaded into the online application.

The letter of intent should be addressed to the history review committee explaining the applicant's scholarly background and training, career goals and why the applicant wants to pursue graduate study at ASU (about 500 words in length)

Students should contact their references and inform them that they will be contacted by Graduate Admission Services and asked to submit an electronic recommendation. Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in scholarly publishing.

For the writing sample, applicants are to submit a sample of their written work electronically. The writing sample may be an article (published or unpublished), a research paper or any other extended example of expository skill no longer than 35 double-spaced pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents should not be password protected. Acceptable file types are .rtf, .pdf and .doc.

Disclosure information for the U.S. Department of Education Gainful Employment Program is available at https://catalog.asu.edu/files/disclosures/LASCHPUBCE/Gedt.html (https://catalog.asu.edu/files/disclosures/LASCHPUBCE/Gedt.html).

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/
COOR 4595
SHPRSGradlnfo@asu.edu
480-965-5778

## Scientific Teaching in Higher Education (certificate), Certificate (LASTHEGRCT)

Online Degree Search Title: Scientific Teaching in Higher Education Certificate (Graduate Certificate)
Campus: Tempe

## Program Description:

The graduate certificate program in scientific teaching in higher education prepares graduate students with the skills and knowledge needed to implement and evaluate evidence-based teaching at the college level. As part of the program, students gain experience teaching science in a higher education setting, take teaching-related coursework and complete a culminating experience under the guidance of a scientific teaching faculty mentor. This culminating experience can be either a significant teaching experience including the use of evidence-based teaching or discipline-based education research focused on undergraduate science education.

## Degree Requirements:

17 credit hours including an applied project course (BIO 593).

Required Core (6 credit hours)
BIO 530 Scientific Teaching (2)
BIO 531 Advanced Scientific Teaching (3)
BIO 532 Recent Papers in Discipline-Based Education Research (1)

Electives (6 credit hours)

Other Requirement (2 credit hours)
Students have to select a teaching internship course from a restricted list.

Culminating Experience (3 credit hours)
BIO 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must submit the following:

- graduate admissions application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 181
sols.grad@asu.edu
480-965-1768

## Sexuality Studies (Certificate), Certificate (LASXSGRCT)

Online Degree Search Title: Sexuality Studies (Graduate Certificate)
Campus: Downtown Phoenix, Tempe, West

## Program Description:

The graduate certificate in sexuality studies addresses the social construction of sexualities, sexual identities and cultures. This program interrogates heterosexuality and institutionalized heterosexism, and addresses Lesbian, Gay, Bisexual, Transgender, Queer and Two-Spirit identities and expressions as well as non-normative sexual identities that are not captured by LGBTQ-TS categories. This program allows students the flexibility to work with courses in sexuality studies offered across disciplines and units at ASU. Students gain theoretical and analytic tools to examine gender and sexual formations, and how social issues and state institutions impact and are impacted by sexuality as a social norm. In addition, coursework allows students to further investigate sexualities in relation to sexual stratification, reproductive rights and justice, sexual health and justice, carceral genders and sexualities, sex work, the state and legal system, and transnational and diasporic formations.

## Degree Requirements:

Required Core (3 credit hours)

SST 604 Sexuality Studies (3)

## Additional Curriculum Information

For elective coursework, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of purpose for pursuing the certificate

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The certificate is only open to current ASU degree-seeking students. However, with academic unit and Graduate College approval, up to nine credit hours of ASU non-degree credit may be transferred into the certificate program for those who eventually gain admission into an ASU graduate degree program. This will be administered by the graduate certificate committee. Students should refer to the Graduate College policy on certificate programs.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.asu.edu
WILSN 125
SSTadvising@asu.edu
480-965-7682

## Social and Cultural Pedagogy, MA (LASCPMA)

Online Degree Search Title: Social and Cultural Pedagogy, MA

## Campus: Tempe

## Program Description:

The MA in social and cultural pedagogy is a two-year program designed for educators with professional experience who seek to develop real-world skills and practical knowledge that will help them accomplish specific career goals.

The first of its kind in North America, the program focuses on the study of learning beyond schooling, delving into research, theory and practice for nonformal education across cultures, ages and education levels. A master's degree in social and cultural pedagogy provides educators with the skills they need to create positive change in nontraditional educational settings, including early childhood education, museums, nongovernmental organizations, and adult and community education, among others.

Each student creates a highly individualized and transdisciplinary path of study, taking classes tailored to meet their specific goals.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (SST 593).

Required Core ( 9 credit hours)
JUS 500 Research Methods (3)
SST 501 Foundations of Social Transformation (3)

Electives (15 or 18 credit hours)

Culminating Experience (3 or 6 credit hours)
SST 593 Applied Project (3) or
SST 599 Thesis (6)

Additional Curriculum Information
Students who elect to complete the applied project option must take 18 credit hours of elective coursework to reach the required 30 credit hours for the program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution recognized by ASU.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- writing sample
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. TOEFL scores are required for applicants whose native language is not English.

Applicants should supply a two- to three-page application letter (writing sample) in which they explain why they want to study in this program and why they feel well-prepared to succeed in this graduate program.

The resume should describe prior educational history, related work or volunteer experiences.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/social-and-cultural-pedagogy-ma
WILSN 125
SSTgraduate@asu.edu
480-965-7682

## Social Science Research Methods (Certificate), Certificate (LASSRMGRCT)

Online Degree Search Title: Social Science Research Methods (Graduate Certificate)
Campus: Downtown Phoenix, Polytechnic, Tempe, West

## Program Description:

The graduate certificate program in social science research methods prepares students to acquire, manage and analyze a broad range of data on human thought and human behavior. Data can be qualitative (e.g., text, images or sound) or quantitative (e.g., direct observation, surveys or geospatial). Data acquisition skills may include the downloading and managing of information from online sources or the primary collection of data in surveys or in direct observation. A key feature of this program is a focus on data analysis, so students and professionals will be able to analyze and interpret any data that they can collect. All students in this program will demonstrate skills in statistical analysis plus skills in a selection of methods related to their interests.

## Degree Requirements:

18 credit hours including an applied project course (GCU 593).

SOC 508 Structural Equation Analysis for the Social Sciences (3) or
STP 533 Applied Multivariate Analysis (3) or
POS 604 Polimetrics II (3)

Electives or Research (12 credit hours)

Culminating Experience (3 credit hours)
GCU 593 Applied Project (3)

Additional Curriculum Information
Students will select one of the multivariate data analysis core courses for a total of three credit hours.

Students select four three-credit hour elective and research methods courses for a total of 12 credit hours in consultation with the program directors. The program recognizes that other graduate-level courses on research methods are offered at ASU. Advanced courses on methods are often taught in omnibus courses, courses that have rotating content and whose content is not reflected in their titles. Students may include these courses in their certificate curriculum with approval of the program directors.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a field such as human development, sustainability, geography or political science. Other subject areas may be accepted with approval from the academic unit.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants must have completed an introductory statistics course before admission to the program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of interest
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Examples of introductory statistics courses include:
CRJ 504 Statistical Tools for Criminology and Criminal Justice
NUR 617 Foundational Concepts in Science and Statistics
POS 603 Polimetrics I
STP 530 Applied Regression Analysis
or equivalent with approval of the academic unit

A statement of interest should include how the certificate program will enhance the applicant's graduate studies or professional work.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://issr.asu.edu/social-science-research-methods-graduate-certificate
COOR 5544
issrinfo@asu.edu
480-965-5005

## Social Transformation Certificate, Certificate (LASOTGRCT)

Online Degree Search Title: Social Transformation (Graduate Certificate)
Campus: Downtown Phoenix, Polytechnic, Tempe, West

## Program Description:

The graduate certificate program in social transformation is designed for graduate and postbaccalaureate students interested in how change is catalyzed by social movements, protest, law, social entrepreneurship, activism and community organizing. Through the exploration of theories and
research related to social change, students are able to augment their disciplinary degrees and be prepared to contribute as leaders and change makers in their communities.

## Degree Requirements:

15 credit hours and a practicum.

Required Core (3 credit hours)
SST 501 Foundations of Social Transformation (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)
SST 580 Practicum (3)

Additional Curriculum Information
The electives taken will be selected with the faculty advisor. The faculty advisor will directionalize the electives to ensure they have a common theme. That will help to ensure students' experiences in the courses align with the learning goals outlined for the certificate.

The culminating experience will be a community-based practicum experience and a paper that synthesizes students' interests with their implications for social transformation. The practicum placement will be with a local nonprofit or governmental organization working toward social innovation and social change. Students will be assisted in identifying a practicum placement by the program advisor. At the end of the practicum, students will produce a paper which will analyze the social and political dimensions of some issue within social transformation or some aspect of it. The paper should also identify the implications of this aspect or issue for social policy and social justice. The paper should begin within the context of the practicum experience and will be presented to the designated subset of the certificate executive board for final approval. Students will take SST 580 Practicum to complete the practicum and then revise, improve and finalize the paper with a certificate faculty member.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students must submit a statement of purpose to the School of Social Transformation that is no longer than 250 words. The statement should indicate any demonstrated interest in the study of social transformation (e.g., previous coursework, professional experience, internships, career plans).

Applicants must meet the above criteria as judged by the School of Social Transformation graduate committee to have strong academic credentials (undergraduate or graduate GPA) as well as demonstrated interest in the area of social transformation. The committee will review applications for the certificate program in the fall and spring semesters of each year and make its admission recommendations to Graduate Admission Services.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/social-transformation-certificate
WILSN 125
SSTgraduate@asu.edu
480-965-7682

Online Degree Search Title: Socio-Economic Justice (Graduate Certificate)
Campus: Tempe

## Program Description:

The graduate certificate program in socioeconomic justice addresses the social and political implications of global and local economies for economic inequality and social justice. This transdisciplinary program fuses interests in political economy, socioeconomic inequality, and analysis of related policies and their consequences for social welfare in areas of income, housing, employment and education.

This program complements the current graduate curriculum at ASU and is structured to allow students to draw upon a combination of core courses in justice and social inquiry and coursework from units from throughout the university. The approach is transdisciplinary (i.e., inclusive of courses in a variety of disciplines but transcending disciplinary boundaries through an integrative core curriculum), intersectional (i.e., considering gender, race, class, nation and sexual relations) and transnational (courses that examine global and local concerns). It will strengthen student understanding of the justice implications of the convergence of social and economic inequalities in the global economy.

## Degree Requirements:

15 credit hours.

Required Core (6 credit hours)
Students must select one course from each of the following two areas of study:
Economic Justice ( 3 credit hours)
JUS 550 Gender, Race and Economic Justice (3) or
JUS 660 Globalization and Economic Justice (3)Conducting Research in Communities (3 credit hours)
JHR 525 Action Research in Social Justice and Human Rights (3) or
JUS 633 Community Research (3)
Electives ( 9 credit hours)

Additional Curriculum Information
Students must select three elective courses on socioeconomic justice from a restricted list, and they should see the academic unit for the full list of possible courses.

Only one 400-level course may be listed on the plan of study. Students must have prior approval from the director of the certificate program for use of any 400-level course.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application.and application fee
- official transcripts
- at least one letter of recommendation
- a statement of purpose for pursuing the certificate
- a writing sample demonstrating excellent writing and analytical skills
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.
The letter of recommendation, statement of purpose and writing sample should be submitted to the justice and social inquiry program office.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/socio-economic-justice-grad-certificate
WILSN 125
SSTgraduate@asu.edu

## Sociological Inquiry, PHD (LASOCPHD)

Online Degree Search Title: Sociological Inquiry, PhD

## Campus: Tempe

## Program Description:

The PhD program in sociological inquiry provides advanced training in theory, research methodology and substantive fields to prepare sociologists for teaching and research with special emphasis on family, medical sociology and demography.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
SOC 603 Perspectives in Sociological Inquiry (3)
SOC 685 Applied Social Theory (3)

Theory (3 credit hours)

Methods (3 credit hours)

Statistics (3 credit hours)

Elective and Research (27 credit hours)

Culminating Experience (12 credit hours)
SOC 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, 30 credit hours from a previously awarded master's degree are allowed to be used toward this degree.

A minimum of 30 credit hours of the approved doctoral program, exclusive of dissertation and research hours, must be completed after admission to the program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a master's degree in sociology or related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume or curriculum vitae
- personal statement detailing professional goals and research experiences
- writing sample
- GRE scores (verbal, quantitative and writing)
- three letters of appraisal from persons familiar with the applicant's academic background
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students should see the program website for application deadlines.

## Contact Information:

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics

## Sociology, MA (LASOCMA)

Online Degree Search Title: Sociology, MA
Campus: Online

## Program Description:

The MA program in sociology provides advanced training for those preparing for applied careers in sociology. Students gain knowledge and skills that can be used to promote healthy individuals and families by understanding how the social context influences their well-being, and they will develop an understanding of the factors that promote successful relationships and positive outcomes for individuals, families and communities.

The online format provides easy access to rigorous and valuable information that informs best practices in improving the lives of individuals, families and communities. The program also includes a customizable culminating experience that allows students to focus their training in their areas of interest and work.

## Degree Requirements:

30 credit hours and a capstone course.

Required Core ( 9 credit hours)
SOC 585 Sociological Theory (3)
SOC 586 Capstone I or FAS 586 Capstone I (3)
SOC 587 Capstone II or FAS 587 Capstone II (3)

Electives (12 credit hours)

Other Requirements (6 credit hours)
SOC 500 Research Methods (3)
SOC 501 Social Statistics (3)

Culminating Experience (3 credit hours)
SOC 588 Capstone III (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

SOC 500 and SOC 501 may be replaced by equivalent courses with approval by the academic advisor.

## Admission Requirements:

All applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- current resume or curriculum vitae
- a personal statement of goals relevant to the master's degree program
- two letters of recommendation from academic or professional backgrounds
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency; required is a TOEFL score of at least 600.
strengths for success in the program, and any relevant professional experience or responsibilities that have been completed.

Letters of recommendation must be from at least two individuals with a professional or academic background and connection to the applicant. Family members and friends do not meet this criterion. Letters of recommendation will be received electronically.

Applicants should see the program website for application deadlines and admission terms.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-sociology?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/sociology-ma
SS 144
graduatesanford@asu.edu
480-965-6875

Spanish, MA (LASPANMA)
Online Degree Search Title: Spanish, MA
Campus: Tempe

## Program Description:

The MA program in Spanish combines Spanish, Spanish American and Mexican American literature, linguistics and culture.

The program has two tracks: literature and culture, and linguistics. It is possible to focus coursework in one of two areas within the linguistics track: sociolinguistics or second-language acquisition and applied linguistics.

Students admitted to the master's degree program in secondary education may elect Spanish as the subject matter field.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Spanish, BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a portfolio, or 30 credit hours, a thesis and a written comprehensive exam.

Required Core (3 credit hours)
SPA 540 History of the Spanish Language (3)

Culminating Experience
portfolio

Additional Curriculum Information
Students seeking a master's degree in Spanish should consult with the respective graduate representative.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- writing sample
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should provide an academic writing sample such as an academic term paper, critical paper or research paper approximately 10 to 25 pages, prepared in an upper-division or graduate Spanish course.

Applicants should provide a personal statement that is no more than two pages, summarizing past educational experiences and goals in pursuing a graduate degree.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://international.clas.asu.edu/degrees/spanish-ma
LL 440
silc@asu.edu
480-965-6281

## Spanish, PHD (LASPANPHD)

Online Degree Search Title: Spanish, PhD

## Campus: Tempe

## Program Description:

The School of International Letters and Cultures offers a graduate program leading to a PhD in Spanish. The program trains students for entrance into the academic profession (teachers and scholars) as well as for professions outside of academia. The Spanish doctoral program offers three literature tracks and one linguistics track.

The tracks in literature promote the study of the production, distribution and reception of texts, either written or visual (photographs, films, visual narratives, etc.); study of their linguistic, rhetorical and literary structures and functions; and study of the internal and external forces shaping literature, with an emphasis on literary theories and cultural studies. Many literature courses explore issues relating to gender, class, race, ethnicity, globalization, post-human theories and digital humanities.

The linguistics curriculum provides advanced interdisciplinary graduate training in three focus areas: second-language acquisition and teaching methodologies; heritage language research and heritage language pedagogy; and sociolinguistics, bilingualism and Spanish in the U.S.

## Degree Requirements:

84 credit hours, two foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (3 credit hours)

Track (18 credit hours)

Focus Area (0 or 12 credit hours)

Electives (27 or 39 credit hours)

Research (12 credit hours)
SPA 792 Research (12)

Culminating Experience (12 credit hours)
SPA 799 Dissertation (12)

Additional Curriculum Information
The doctoral program in Spanish has four available tracks: early-modern Iberian studies, Spanish linguistics, Mexican American studies, and visual studies.

Students in the Spanish linguistics track are required to complete 12 credit hours in a focus area. Available focus areas are: second-language acquisition and teaching methodologies; heritage language research and pedagogy; and sociolinguistics, bilingualism and Spanish in the U.S. Students in this track will complete a minimum of 27 credit hours of elective coursework.

Students in the early-modern Iberian studies, Mexican American studies, and visual studies tracks complete 39 credit hours of elective coursework and do not select a focus area.

The candidate must present an acceptable dissertation based on original investigation. The dissertation must represent a significant contribution to knowledge and demonstrate the candidate's ability to do independent, scholarly research.

Each candidate is expected to demonstrate a reading knowledge of one language other than English and Spanish. This language requirement must be satisfied before the candidate is eligible to take the comprehensive examination.

The written and oral comprehensive examination, designed to ascertain the candidate's knowledge and orientation in the field of study and competency to proceed with the dissertation, is required at or near the end of coursework.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in Spanish or equivalent, from a regionally accredited institution. Applicants from other academic backgrounds with relevant coursework in Spanish language and cultural studies also may be evaluated by the admissions committee.

Applicants must have a minimum of a 3.75 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.75 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- writing sample
- personal statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

It is recommended but not required that students applying for admission to the program submit GRE scores; this is especially advisable for applicants for the Spanish Graduate Fellowship Award.

Candidates for the program will be required to demonstrate a near-native oral proficiency in Spanish and to show that they have developed a high order of expository prose in English and Spanish by presenting a term paper or a chapter of the master's degree thesis as their writing sample.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/spanish-phd
LL 440
silc@asu.edu
480-965-6281
Spanish Language Pedagogy (certificate), Certificate (LASPAPGRCT)
Online Degree Search Title: Spanish Language Pedagogy (Graduate Certificate)
Campus: Tempe

## Program Description:

Through graduate coursework, the certificate in Spanish language pedagogy enables practicing teachers and graduate students to understand the process of Spanish language acquisition and learn cutting-edge teaching methodologies to make sound pedagogical decisions that lead to effective
teaching and learning. Students gain competence in designing effective and engaging Spanish language lessons for their students and learn to be sensitive to the needs of students with diverse linguistic and cultural backgrounds, such as heritage learners. They will be able to design accurate assessment measurements, writing assignments and culture-based lessons, as well as utilize modern technologies to enhance Spanish language education.

## Degree Requirements:

Required Core (3 credit hours)

SPA 596 Second Language Methodologies (3)

Other Requirements (9 credit hours)

SPA 543 Structure of Spanish (3)

SPA 546 Heritage Language Pedagogy (3)

SPA 598 ST: Spanish Second Language Acquisition (3)

Electives (6 credit hours)

Culminating Experience (0 credit hours)

Portfolio (0)

Additional Curriculum Information

For courses listed as other requirements, alternative courses may be used with approval of the certificate codirectors

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in Spanish, Spanish literature and culture, Spanish linguistics, applied linguistics, second language acquisition and teaching, or a related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu
LL448B
SILC@asu.edu
480-965-2715

## Statistics, MS (GCSTATMS)

Online Degree Search Title: Statistics, MS
Campus: Tempe

## Program Description:

The MS program in statistics draws upon a wide spectrum of faculty research and teaching interests, including from faculty outside of the school. As a result, plans of study can be transdisciplinary and tailored to reflect students' individual needs and goals.

## Degree Requirements:

30 credit hours including the required applied project course (STP 593 or IEE 593 or ECN 593) and an oral comprehensive exam, or 30 credit hours, a thesis and an oral comprehensive exam, or 30 credit hours, a written comprehensive exam and an oral comprehensive exam.

Required Theory Courses (9 credit hours)
STP 501 Theory of Statistics I: Distribution Theory 3 (3)
STP 502 Theory of Statistics II: Inference (3)
STP 526 Theory of Statistical Linear Models (3)

Required Applied Linear Statistical Model Courses (6 credit hours)
ECN 525 or IEE 578 or STP 530 Applied Regression Analysis (3)
IEE 572 or STP 531 Applied Analysis of Variance (3)

Electives (9-15 credit hours)

Culminating Experience ( $0-6$ credit hours)
ECN 593 or IEE 593 or STP 593 Applied Project (3)
ECN 599 or IEE 599 or STP 599 Thesis (6)
Oral and written comprehensive exam (0)

Additional Curriculum Information
Prerequisites may not be used to complete the 30 credit hours.

The required theory courses are fundamental to the education of statisticians and are necessary for more advanced graduate study.

The program must also include either three credit hours of ECN 593, IEE 593 or STP 593 Applied Project; six credit hours of ECN 599 , IEE 599 or STP 599 Thesis; or an oral and written comprehensive exam on advanced statistics coursework to be administered by the School of Mathematical and Statistical Sciences. The applied project or thesis must be defended at an oral examination. The content of the applied project report or thesis, in its final form, must be suitable for submission to an academic journal or conference proceedings. The thesis must conform to the Graduate College format requirements.

The remaining credit hours come from elective courses chosen by the student with the approval of supervising faculty. A maximum of six credit hours may be chosen from a related field on which statistics relies (such as computer science) or in which statistics is an essential tool (e.g., biostatistics, quality control). The elective courses allow the student to emphasize a particular area of statistical inference, culminating in an applied project report or a thesis on a topic in that area. No foreign language or written comprehensive examinations are required.

The student has considerable flexibility in selecting an area of specialty.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, statistics or a closely related area from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants should have completed the following courses (equivalents at ASU are given in parentheses), and applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission:

- advanced calculus (MAT 371)
- calculus (MAT 270, MAT 271 and MAT 272)
- computer programming (CSE 100)
- introductory statistics (STP 420)
- linear algebra (MAT 342)


## Contact Information:

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR A216
grad.math@asu.edu
480-965-3951
Statistics, PHD (LASTPPHD)
Online Degree Search Title: Statistics, PhD
Campus: Tempe

## Program Description:

As a science, statistics focuses on data collection and data analysis by using theoretical, applied and computational tools. The PhD program in statistics reflects this breadth in tools and considerations while allowing students sufficient flexibility to tailor their program of study to reflect individual interests and goals. Research can be of a disciplinary or transdisciplinary nature.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (15 credit hours)
mathematical statistics (3)
probability (3)
STP 526 Theory of Statistical Linear Models (3)
STP 527 Statistical Large Sample Theory (3) or STP 530 Applied Regression Analysis (3) or IEE 578 Regression Analysis (3)
STP 531 Applied Analysis of Variance (3) or IEE 572 Design Engineering Experiments (3)

Electives (45 credit hours)

Research (12 credit hours)
STP 792 Research (12)

Culminating Experience (12 credit hours)
STP 799 Dissertation (12)

Additional Curriculum Information
Electives are to be chosen from statistics or related area courses approved by the student's supervisory committee.

Students must pass:

- one qualifying examination and coursework in analysis
- a written comprehensive examination
- a dissertation prospectus defense

Students should see the department website for examination information.

Each student must write a dissertation and defend it orally in front of five dissertation committee members.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in mathematics, statistics or a closely related area, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of education and career goals
- GRE (general) scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Completion of the following courses (equivalents at ASU are given in parentheses) is required. Applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission.

- calculus (MAT 270, 271 and 272)
- advanced calculus (MAT 371)
- linear algebra (MAT 342)
- computer programming (CSE 100)
- introductory applied statistics (STP 420)


## Contact Information:

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR A216
grad.math@asu.edu
480-965-395

## Statistics (certificate), Certificate (GCSTATCE)

Online Degree Search Title: Statistics (Graduate Certificate)
Campus: Tempe

## Program Description:

The statistics certificate program provides statistical training for graduate students at ASU and working professionals in the Phoenix metropolitan area. The statistics certificate program draws upon a variety of faculty research and teaching interests from various academic units so that programs of study can be tailored to reflect individual needs and goals.

## Degree Requirements:

15 credit hours.

Required Core (6 credit hours)
STP 530 Applied Regression Analysis (3) (or ECN 525 or IEE 578)
STP 531 Applied Analysis of Variance (3) (or ECN 530 or IEE 572)

Electives (9 credit hours)

Additional Curriculum Information
The nine elective credits are taken from a set of courses approved by the School of Mathematical and Statistical Sciences.

Students must have a GPA of at least 3.00 (scale is $4.00=$ "A") in the courses which apply to the certificate.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

Applicants should have completed the following courses (equivalents at ASU are given in parentheses)

- introductory applied statistics (ECN 221, STP 226 or STP 420)
- one semester of calculus (MAT 210, MAT 265 or MAT 270)

Applicants are also required to have some computer literacy with knowledge of a programming language, a spreadsheet program or a statistical software program

## Contact Information:

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/
WXLR A216
grad.math@asu.edu
480-965-3951

## Teaching English to Speakers of Other Languages, MTESOL (LAENGMTESL)

Online Degree Search Title: Teaching English to Speakers of Other Languages, MTESOL
Campus: Tempe, Online

## Program Description:

The MTESOL program in teaching English to speakers of other languages is for individuals who wish to build a career in the international field of English language teaching.

Through this program, students will develop scholarly and professional understanding in four main areas that are central to TESOL: language, learning, research methods and teaching methods. Students will have opportunities to study a variety of important topics, including computerassisted language learning, critical pedagogy, curriculum design, English as an international language, English for academic purposes, English grammar and grammar for TESOL, intercultural rhetoric, interlanguage pragmatics, language and identity, language testing and assessment, learning transfer, materials development, nonnative English speakers in TESOL, second language acquisition, second language phonology, second language writing and World Englishes

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years.
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with English (Linguistics), BA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required capstone course (ENG 597) and a Foreign Language Exam

Required Core (12 credit hours)
LIN 501 Approaches to Research (3)
LIN 510 Linguistics (3)
LIN 520 Second-Language Acquisition Theories (3)
LIN 521 Methods of Teaching English as a Second Language (3)

Other Requirement (3 credit hours)
LIN 584 Internship (3)

Electives or Research (12 credit hours)

Culminating Experience (3 credit hours)
ENG 597 Capstone (3)

Additional Curriculum Information
The foreign language requirement must be completed during the program prior to the master's degree being awarded.

The capstone will be overseen by a director who will be chosen from the Department of English linguistics and TESOL faculty.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution. Applicants may have undergraduate majors in fields such as the following, but not limited to these: anthropology, applied linguistics, cognitive science, communication, comparative languages and literatures, education, English literature, history, and law.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of purpose
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should see the Department of English website for specific details about English proficiency requirements. (https://english.clas.asu.edu/admission/graduate-admission/how-to-apply/information-international-students)

The one-page, single-spaced statement of purpose should explain how the MTESOL program fits with the applicant's long-term goals. Letters of recommendation should provide a clear picture of the applicant's potential for successfully completing a master's degree. At least some of the letters should be from university professors who are familiar with the applicant's academic work and with master's level academic programs.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-teaching-english-speakers-other-languages)

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/admission/graduate-admission/masters-degree-teaching-english-speakers-other-languages-tesol
RBH 125
enggrad@asu.edu
480-965-3194

## Transborder Studies, MAS (LATCLMAS)

Online Degree Search Title: Transborder Studies, MAS

Campus: Tempe

## Program Description:

The MAS program in transborder studies is designed for the postbaccalaureate professional who seeks training in an integrated program that also provides for differentiation via three thematic options. The course of study is designed to provide a cohesive and holistic program of learning that focuses on the complex economic, political, ecological, social and cultural issues of a coevolving border region of the U.S. Southwest and Mexico. Students will be required to engage in an intensive internship process in which they will apply their learning. The program will also provide a choice to explore one of the following three areas more deeply:

Transborder culture, language and learning --- This area focuses on the interrelated processes of cultural emergence, language development and learning as they interact with each other in conjunction with the development of mathematical and scientific reasoning skills, literacy skills and critical thinking in the transborder context.

Transborder media and expressive culture --- This area provides students with a transdisciplinary understanding of how representation, interpretation and language shape and are shaped by Chicana/o, Mexican and Latina/o culture in a transborder context.

Transborder migration, health and applied social policy --- This area provides students with theoretical and applied frameworks for understanding border communities in the areas of migration, health, education, environment and other areas affecting social development.

## Degree Requirements:

30 credit hours including the required capstone course (TCL 608), a written comprehensive exam, an oral comprehensive exam and a foreign language exam

Required Core (12 credit hours)
TSS 502 Foundations of Transborder Studies (3)
TSS 503 Epistemologies and Transborder Thought (3)
TSS 504 Tools for Transborder Research (3)
TSS 505 Theories and Methods of Migration, Health and Applied Social Policy in a Transborder Context(3) or
TSS 506 Theory and Methods of Transborder Media and Expressive Culture (3) or
TSS 507 Theory and Methods of Transborder Cultural Acquisition, Language Development and Learning (3)

Other Requirements ( 15 credit hours)
TCL 601 Internship in Transborder Studies (3 semesters) (9)
TCL 691 Seminar (6)

Culminating Experience (3 credit hours)
TCL 608 Capstone Course: Transmitting Transborder Studies to Publics and Institutions (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in the social sciences, humanities, sciences health, education, business or professional field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
personal statement
- writing sample
resume or curriculum vitae
- three letter of recommendation (colleagues or professors)
- GRE scores
proof of English proficiency

Additional Application Information:
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. For more information students should visit https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

## Contact Information:

Liberal Arts \& Sciences, College of
School of Transborder Studies
https://sts.asu.edu/
INTDSB 165
sts.grad@asu.edu
480-965-5091

## Transborder Studies, PHD (LATCLPHD)

Online Degree Search Title: Transborder Studies, PhD
Campus: Tempe

## Program Description:

This PhD program in transborder studies is intended for graduate students who seek rigorous study of transborder and transnational economic, political, artistic, social, psychological, ecological and cultural dynamics, with implications not only for the Mexican-origin and Latina/o communities in the U.S. or the U.S.-Mexico border region but also for other border communities around the world. This transdisciplinary degree is designed for students with serious interest in the many ways border processes affect society: past, present and future.

Due to the focus on transborder experiences in people's everyday lives, both regionally and globally, this program equips students with the knowledge, skills and competencies for transborder research, scholarship and innovation --- all of which are highly needed by current and future scholars in order to better grasp the complexity of contemporary societies in the 21 st century.

Students will gain the ability to communicate findings, creations or productions to an academic and community public; the ability to create pedagogical models, learning units and assessment protocols for the transmission of learned concepts, theories and methods; and the ability to design and develop transdisciplinary research. They learn how to display and apply concepts, methods and theories in courses and research projects; gain competency in the most pertinent theoretical and methodological approaches to the study of transborder and transnational contexts; and acquire historical understanding of the development of transborder ecologies, economies, social relations, migration and health, culture, power, language and expressive culture, and media.

## Degree Requirements:

84 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
TSS 502 Foundations of Transborder Studies (3)
TSS 503 Epistemologies and Transborder Thought (3) or
TSS 504 Tools for Transborder Research (3)

Electives and Research (36 credit hours)

Dissertation (12 credit hours)
TSS 799 Dissertation (12)

Additional Curricular Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not already have a master's degree in a related field, then the remaining 30 credit hours will be made up of electives and research that equal the 84 credit hours required for the doctoral program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as anthropology, economics, education, sociology, literature or psychology from a regionally accredited institution. Applicants who have earned a bachelor's or master's degree in another discipline must align their scholarly interests with the program's mission.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- writing sample
- resume or curriculum vitae
- three letters of recommendation (from academicians)
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. For more information, students should visit https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

The statement of purpose should include an explanation of past experiences and current scholarly interests but concentrate on potential areas of research that draw upon the specific resources of the department and faculty.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Transborder Studies
https://sts.asu.edu/
INTDS B165
sts.grad@asu.edu
480-965-5091

## Transportation Systems (certificate), Certificate (GCTRANSCE)

Online Degree Search Title: Transportation Systems (Graduate Certificate)
Campus: Tempe

## Program Description:

Transportation has emerged as one of the highest priority issues for policymakers, planners, employers and citizens. To respond to this challenging environment, the transportation systems certificate program (https://geoplan.asu.edu/transcert (https://geoplan.asu.edu/transcert) enhances the education of current and future transportation professionals by building upon existing programs in five disciplines offered in five colleges and two campuses in the ASU system.

The certificate program offers current ASU graduate students and transportation professionals the opportunity to pursue a wide range of transportation-related issues from a multimodal, interdisciplinary perspective. The certificate is intended to be either a specialization within an existing master's degree or as a stand-alone nondegree program.

## Degree Requirements:

15 credit hours including the required applied project course (PUP 593).

Required Core (3 credit hours)
a seminar course (3)

Electives (9 credit hours)

Culminating Experience (3 credit hours)
PUP 593 Applied Project (3)

Additional Curriculum Information
Three electives must be taken from an approved list of transportation-related courses (including at least one from a field outside the student's major); students should see the academic unit. Students are strongly encouraged to include as one of the three elective courses a course in methods or techniques applicable to transportation systems planning.

In the applied project course, students are encouraged to work with transportation professionals in their area of interest to identify a project that is of interest to the broader public.

All decisions related to program offerings and departmental participation are made in cooperation with the transportation systems certificate admissions and advisory committee, which includes a member from each participating department.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " $\mathrm{A} "$ ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- online graduate admission application and application fee
- official transcripts
- letter of interest
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants who wish to seek a graduate degree in any of the cooperating departments and who are not currently enrolled at ASU must complete the full graduate school application process as specified by the department of interest in addition to the online application for the transportation certificate. The applications will be evaluated independent of each other.

Applicants will be asked to explain the following in their letter of interest: what they expect to gain from the transportation certificate program and the types of courses in the program that would be the most helpful in meeting their objective.

Disclosure information for U.S. Department of Education Gainful Employment Program is available at https://catalog.asu.edu/files/disclosures/GCTRANSCE/Gedt.html (https://catalog.asu.edu/files/disclosures/GCTRANSCE/Gedt.html).

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/transcert
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## Urban and Environmental Planning, MUEP (ARURBMUEP)

Online Degree Search Title: Urban and Environmental Planning, MUEP

## Campus: Tempe

## Program Description:

The MUEP program prepares students to help solve complex social, economic and environmental issues and create healthier, safer and more vibrant communities. Alumni of the Master of Urban and Environmental Planning program work as professional planners in a variety of public, private and nonprofit settings. The program emphasizes theories of planning, methods of analysis, effective public engagement, planning processes and creative implementation of planning tools, strategies and approaches. The master's degree program is accredited by the Planning Accreditation Board. Students who join the program are eligible for certification by the American Institute of Certified Planners (https://www.planning.org/aicp/ (https://www.planning.org/aicp/)) after two years of professional practice.

The Master of Urban and Environmental Planning program offers a unique opportunity to integrate urban and environmental aspects of planning in a rapidly developing metropolitan area. Small classes, one-on-one advising, and a common core of courses that translate knowledge into practice provide students opportunities to build technical skills and grow their professional network. As a part of the School of Geographical Sciences and Urban Planning, the master's degree program is enriched by school faculty whose research and teaching is grounded in geography, GIS, and meteorology and climatology. Students have access to a wide selection of electives within the school, electives that explore issues such as population and migration, environmental and landscape dynamics, and urban climate systems. The master's degree program is also complemented by the participation of faculty from other disciplines within the university, leading planning practitioners in the Phoenix area, and the NEURUS international research exchange program (https://geoplan.asu.edu/student-life/study-abroad (https://geoplan.asu.edu/student-life/study-abroad)).

Faculty research and teaching interests especially focus on the following broad interdisciplinary themes:

- city building and urban structure
- environmental and resiliency planning
- housing, neighborhoods and community development
- spatial analytics and smart cities
- transportation planning and policy


## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
Public Administration - Downtown Phoenix, MPA
Public Policy, MPP
Sustainability Solutions, MSUS

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Urban Planning, BSP
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

47 credit hours and a thesis, or 47 credit hours including the required applied project course (PUP 593), or 47 credit hours including the required capstone course (PUP 580).

Required Core (21 credit hours)
PUP 501 Planning, History and Theory (3)
PUP 520 Planning Practice, Ethics and Processes (3)
PUP 531 Planning and Development Control Law (3)
PUP 542 Environmental Planning (3)
PUP 544 Urban Land Use Planning (3)
PUP 571 Planning Methods (3)
PUP 642 Urban and Regional Economic Analysis (3)

Electives (17-18 credit hours)

Other Requirement (3 credit hours)
PUP 576 GIS Workshop for Planners (3)

Culminating Experience ( $5-6$ credit hours)
PUP 580 Practicum: Planning Workshop (5) or
PUP 593 Applied Project (5) or
PUP 599 Thesis (6)

Additional Curriculum Information
Students must complete the required core courses and select an area of specialization. Students must also select a capstone studio, a professional project or a thesis option. Successful completion of an approved statistics course, if not achieved by the student as an undergraduate, will be required as a deficiency.

Students take 17 credit hours of electives for the thesis option and take 18 credit hours of electives for non-thesis.

Students take PUP 576 or another methods course approved by the department.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should be no longer than 600 words and must address the applicant's academic and professional background and, if appropriate, preparation for the selected area of specialty which may include written samples or a portfolio, though these are not required.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/graduate-degrees/master-urban-environmental-planning
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533

## Urban Planning, PHD (ARPUPPHD)

Online Degree Search Title: Urban Planning, PhD

## Campus: Tempe

## Program Description:

The PhD program in urban planning educates scholars for positions in leading universities; research institutions; nongovernmental organizations; international multilateral institutions; national, state and local governments; and high-level consulting firms. Topics and methods are wide-ranging and include spatial, theoretical and urban design inquiry, with a focus on the built environment, its problems, and potential solutions that improve the quality of life of urban residents.

Students benefit from a wide variety of coursework and research opportunities in five broad interdisciplinary themes that span the expertise of the faculty within the School of Geographical Sciences and Urban Planning:

- city building and urban structure
- environmental and resiliency planning
- housing, neighborhoods, and community development
- spatial analytics and smart cities
- transportation planning and policy


## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
PUP 710 Current Planning Theory and Practice (3)
PUP 724 Planning Methods for Doctoral Students (3)

Electives and Research (34 credit hours)

Other Requirement (2 credit hours)
PUP 701 Urban Planning Colloquium (1)

Culminating Experience (12 credit hours)
PUP 799 Dissertation (12)

Additional Curriculum Information
Students will take two semesters of PUP 701 for a total of two credit hours.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

Up to six credit hours of 400-level courses may be applied to the plan of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a master's degree, in a related field such as urban studies, geography, environmental studies, sustainability, architecture, public policy or public administration from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program and a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- GRE scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement must be 600 words or fewer and explain the applicant's interest in planning at the doctoral level; academic and professional background and, if appropriate, preparation for the selected area of specialty which may include written samples or portfolio; and educational and professional objectives.

Letters of recommendation should be from three faculty members who can attest to the applicant's academic achievements.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/graduate-degrees/phd-urban-planning
COOR 5671
SGSUP.gradprograms@asu.edu
480-965-7533
Women and Gender Studies, MA (LAWSTMA)
Online Degree Search Title: Women and Gender Studies, MA
Campus: Tempe

## Program Description:

The MA in women and gender studies is designed for students who wish to gain research skills and knowledge about gender analysis and to apply those tools to real-world problems and solutions. Graduates may seek careers in a broad range of settings, from schools and hospitals to city governments, nonprofits, and large corporations. The program is not a good fit for those who seek to become professors.

This flexible 30-credit master's program provides advanced training in feminist research, theory and methodologies. All students can take an internship, and all must complete an applied project in which students conduct research that addresses practical, site-specific problems linked to gender. Final projects may take a variety of forms, including program assessments, grant proposals, tests of new interventions or curricula, and so on. These projects may help lead students to careers in human services, program evaluation, policy development, and other fields. Full-time students can complete the degree within two years while part-time students take longer but can combine work with study.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required applied project course (WST 593).

Required Core (6 credit hours)
WST 501 Foundations of Feminist Thought (3)
WST 502 Interdisciplinary Gender Research Methodologies (3)

Electives (18 credit hours)

Culminating Experience (6 credit hours)
WST 593 Applied Project (6) or
WST 599 Thesis (6)

Additional Curriculum Information
Students must successfully provide an oral defense of their thesis or applied project.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. Students may be admitted with a BA or BS in any field as long as they have completed two courses in women and gender studies or have equivalent experience. Appropriate majors may include women, gender and sexuality studies; history; English; sociology; religious studies; social work; psychology; communication or ethnic studies. Students who have previously majored in a science, technology, engineering or
mathematics field and have interests in gender and education or gender and science may also apply for this program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts from all college and universities where the applicant earned a bachelor's or master's degree
personal statement
- resume or curriculum vitae
- writing sample
two or three letters of recommendation
- relevant coursework
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should be approximately 1,000 words and describe any prior research experience and training, professional goals and research interests, and the fit between interests and the program's emphases. The statement should be uploaded.

The writing sample should be seven to 10 pages. This can include a research brief or report, a white paper, a policy paper or a paper for a recent academic course. The writing sample should reflect the applicant's writing ability and critical-thinking skills.

The letters of recommendation should be from a recommender who can speak to the applicant's strengths and weaknesses for graduate study; critical-thinking, writing, speaking and presentation skills; intellectual ability; leadership potential; interpersonal skills and ability to work with others; or other relevant accomplishments that best highlight the applicant's ability to complete a graduate degree in women and gender studies.

The list of relevant coursework should include at least two courses, undergraduate or graduate, the applicant has taken that focus on gender or women. In addition, the applicant should list any research methods or social justice courses.

GRE scores are not required for admission.

Further details about application requirements and application deadlines are available on the School of Social Transformation's webpage.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/women-and-gender-studies-2
WILSN 125
SSTgraduate@asu.edu
480-965-7682

## Nursing and Health Innovation, College of

## Acute Care Pediatric Nurse Practitioner (certificate), Certificate (NUACPNGRCT)

Online Degree Search Title: Acute Care Pediatric Nurse Practitioner (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

Nurse practitioners are prepared to practice at the most advanced level of nursing. This nurse practitioner certificate program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for the specialty in acute care pediatric care. Courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice for infants, children with unstable chronic, complex acute, and life-threatening illnesses.

This program is offered in a hybrid in-person and iCourse format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Required Core (23 credit hours)
DNP 606 Principles of Pediatric Acute Care I (3)

DNP 607 Advanced Pediatric Acute Care Practicum I (7)

DNP 612 Pediatric Palliative Care and End-of-Life Care: Research, Theory and Clinical Implications (3)

DNP 619 Principles of Pediatric Acute Care II (3)

DNP 620 Advanced Pediatric Acute Care Practicum II (7)

Additional Curriculum Information

Every certificate student must complete 600 hours of direct patient care with a nurse practitioner or physician preceptor in the clinical setting. Documented clinical experiences are required by the certification organization (PNCB) in order for the graduate to be eligible to take the national PNP-AC certification examination. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation.
- professional resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

International students who need an F1 or J1 visa will first need to apply to and be accepted into a graduate degree program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate College policies and procedures regarding admission be considered for admission to this certificate program.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.
practitioner in a pediatric setting will be considered.

The goal statement should indicate the applicant's understanding of the role of the advance practice nurse with the population of interest and any experience the applicant may have working with the patient population of interest.

The admission essay should briefly describe how meeting "The Essentials of Doctoral Education for Advanced Nursing Practice" (2006) will further their career goals

An interview with program faculty is required.

One year of clinical experience working in the pediatric acute care setting is preferred

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

## Contact Information:

Nursing and Health Innovation, College of College of Nursing and Health Innovation https://nursingandhealth.asu.edu/
HLTHN 113
dnpnursing@asu.edu
602-496-0937

## Adult Gerontology Nurse Practitioner (Certificate), Certificate (NUAGNPGRCT)

Online Degree Search Title: Adult Gerontology Nurse Practitioner (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

This Commission on Collegiate Nursing Education-accredited certificate program is designed for nurses with a master's degree in nursing who seek to become adult gerontology nurse practitioners and for nurse practitioners with a master's degree or DNP who seek additional certification as adult gerontology nurse practitioners. This certificate program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for orientation and then two or three times per semester. Adult gerontology-focused theory and clinical courses include theories, principles and clinical skills in the care of adults across the lifespan.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

## Degree Requirements:

Required Core (22 credit hours)
DNP 623 Adult-Gerontology Health Promotion (3)
DNP 624 Adult-Gerontology Health Promotion Practicum (3)
DNP 625 Management of Common Health Problems in Adults Across the Lifespan (3)
DNP 626 Management of Common Health Problems/Adults Across the Lifespan Practicum (5)
DNP 627 Management of Complex Health Alterations in Adults Across the Lifespan (3)
DNP 628 Management of Adults Across the Lifespan w/Complex Health Alterations Practicum (5)

Additional Curriculum Information
Nurses who complete this certificate will meet the eligibility requirements to take the National Adult Gerontology Nurse Practitioner Certification Examination. In addition to completing didactic courses, students will complete 13 credit hours ( 585 clock hours) of practicum experiences in a community setting.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to submit an admission essay:

- Describe career goals for the next five to10 years and discuss how obtaining a NP certificate from Arizona State University will help meet these goals.
- Read The Essentials of Doctoral Education for Advanced Nursing Practice (2006) from the American Association of Colleges of Nursing, then focus on one of the first seven essentials and describe how meeting this essential will further the stated career goals.

All College of Nursing and Health Innovation students are required to complete health and safety requirements, and must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred.

For U.S. Department of Education Gainful Employment Program Disclosure information, students should refer to the College of Nursing and Health Innovation website.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
HLTHN 113
nursingandhealth@asu.edu
602-406-0937

## Adv Nursing Practice (Women's Health NP), DNP (NUANPWHDNP)

Online Degree Search Title: Women's Health Nurse Practitioner, DNP
Campus: Downtown Phoenix

## Program Description:

DNP graduates are prepared to practice at the most advanced level of nursing. This program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for this specialty through graduate courses in application of theory to advance practice. Courses focus on theories, principles and clinical skills in the care of women and their families including critical thinking, diagnosis, problem-solving and nursing management of women throughout the maternity cycle and with common gynecological problems. Client education, communication and collaboration are emphasized.

This program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange these in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determines the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

## Degree Requirements:

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcomes Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
DNP 711 Healthcare Policy and Innovation (3)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration ( 34 credit hours)
DNP 613 Women's Health Promotion I (3)
DNP 614 Women's Health Practicum I (3)
DNP 615 Management of Common Problems in Women's Health (3)
DNP 616 Advanced Women's Health Practicum II (5)
DNP 617 Management of Complex and Chronic Disease in Women (3)
DNP 618 Advanced Women's Health Practicum III (5)
DNP 712 Clinical Residency and Management (12)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/womens-health-nurse-practitioner
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice, DNP (NUANPDNP)

Online Degree Search Title: Advanced Nursing Practice, DNP

Campus: Downtown Phoenix

## Program Description:

DNP graduates are prepared to practice at the most advanced level of nursing. This program, accredited by the Commission on Collegiate Nursing Education, is designed for master's degree-prepared advanced practice nurses seeking a Doctor of Nursing Practice degree. Courses are designed for clinical experts and are innovative, interesting and organized to provide students with expert colleagues and mentors across the U.S. who can challenge them to take their practice to a new level.

Graduates of this program will be able to facilitate the application and integration of research into clinical practice using innovative approaches to improve health care outcomes of populations and individuals across multiple settings.

This program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and two to three times per semester.

## Degree Requirements:

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
DNP 711 Healthcare Policy and Innovation (3)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Electives and Research (28 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Applicants to the post-master's program should identify a relevant clinical issue related to advanced practice nursing that they would like to pursue during their doctoral program. Students will complete 540 hours of clinical practice residency and the program courses. Completion of an evidencebased doctoral applied project is required. Each project will be developed individually with each student. Each student will have a primary mentor working with them on the project. Clinical practice residency hours will be used to complete the project in a practice setting; work settings may be included, but specific objectives will be developed individually with each student that may be different from the student's job. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

For electives or research, students shouuld see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program and up to 10 credit hours of clinical coursework from their Master of Science degree for a total of 40 credit hours.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Applicants must be certified as an advanced practice nurse. A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

Applicants will be reviewed on a space-available basis after the priority deadline. Students should see the program website for application deadlines.

## Contact Information:

Nursing and Health Innovation, College of College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/advanced-nursing-practice-dnp
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP (NUANPACDNP)

Online Degree Search Title: Advanced Nursing Practice (Acute Care Pediatric Nurse Practitioner), DNP
Campus: Downtown Phoenix

## Program Description:

DNP graduates are prepared to practice at the most advanced level of nursing. This Doctor of Nursing Practice program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for the specialty in acute care pediatrics through the application of theory to advance practice. Courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice for infants and children with unstable chronic, complex acute, and life-threatening illnesses.

This program is offered in a hybrid in-person and iCourse format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged, as are experiences in rural areas, and sites are available for these experiences.

## Degree Requirements:

Required Core (41 credit hours)

DNP 601 Theoretical Foundations for Advance Practice Nursing (3)

DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)

DNP 609 Advanced Practice Nursing Role (1)

DNP 641 Advanced Health Assessment Pediatrics (3)

DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)

DNP 679 Biostatistics: Principals of Statistical Inference (3)

DNP 703 Innovation in Communication-Scholarly and Professional Writing (2)

DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)

DNP 705 Health Care Outcomes Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)

DNP 709 Individual and Innovation in Leadership in Healthcare Practice (3)

DNP 711 Healthcare Policy and Innovation (3)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration (29 credit hours)

DNP 606 Principles of Pediatric Acute Care I (3)
DNP 607 Advanced Pediatric Acute Care Practicum I (6)

DNP 619 Principles of Pediatric Acute Care II (3)

DNP 620 Advanced Pediatric Acute Care Practicum II (6)

DNP 643 Developmentally Based Care of the Well Child (3)

DNP 644 Well Child Advanced Practicum (2)

DNP 659 Embryology and Genetics (3)

Other Requirement (12 credit hours)

DNP 712 Clinical Residency and Management (12)

Culminating Experience (3 credit hours)

DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information

Nurse practitioner students complete 585 hours of clinical practicum work in the first 2 years of their degree program. They complete an additional 540 hours in their clinical residency course (DNP 712) for a total of 1125 clinical and residency hours.

Every student must complete 600 hours of direct patient care with a Nurse Practitioner or Physician preceptor in the clinical setting. Documented clinical experiences are required by the certification organization (PNCB) in order for the graduate to be eligible to take the national PNP-AC certification examination. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation.
- professional resume
- goal statement
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
HLTHN 210FC
nursingandhealth@asu.edu
602-496-2644

Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP (NUANPAGDNP)<br>Online Degree Search Title: Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP<br>Campus: Downtown Phoenix

## Program Description:

DNP graduates are prepared to practice at the most advanced level of nursing. This program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for this specialty through graduate courses in the application of theory to advance practice. A major focus of the program is the acquisition of advanced knowledge and skills for primary care, case management, screening and health promotion of adults through the lifespan in a variety of settings, including private practice, ambulatory clinics, long-term care facilities and the patient's home.

This program is offered in a hybrid in-person and iCourse format, requiring students to travel to campus for up to one week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

## Degree Requirements:

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Healthcare Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
DNP 711 Healthcare Policy and Innovation (3)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration (34 credit hours)
DNP 623 Adult-Geronotology Health Promotion (3)
DNP 624 Adult-Gerontology Health Promotion Practicum (3)
DNP 625 Management of Common Health Problems in Adults Across the Lifespan (3)
DNP 626 Management of Common Health Problems/Adults Across the Lifespan Practicum (5)
DNP 627 Management of Complex Health Alterations in Adults Across the Lifespan (3)
DNP 628 Management of Adults Across the Lifespan w/Complex Health Alterations Practicum (5)
DNP 712 Clinical Residency and Management (12)

Electives and Research (6 credit hours)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing the DNP. The program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working within the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

Applicants will be reviewed on a space-available basis after the priority deadline; application deadlines are posted on the program website.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/advanced-nursing-practice-adult-gerontology-nurse-practitioner-dnp
HLTHN 113
nursingandhealth@asu.edu
602-496-0937
Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)
Online Degree Search Title: Family Nurse Practitioner, DNP
Campus: Downtown Phoenix

## Program Description:

DNP graduates are prepared to practice at the most advanced level of nursing. This Doctor of Nursing Practice degree program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for the specialty through graduate courses in the application of theory to advance practice. The focus is on development of expertise in providing primary care to individuals of all ages within traditional, nontraditional and culturally diverse families. Courses are designed to prepare the student for certification in advanced practice nursing as a family nurse practitioner.

This program is offered in a hybrid iCourse format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

## Degree Requirements:

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcomes Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
DNP 711 Healthcare Policy and Innovation (3)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration ( 34 credit hours)
DNP 633 Family Health Promotion (3)
DNP 634 Family Health Promotion Practicum (3)
DNP 635 Management of Common Health Problems in Children, Adults and Families (3)
DNP 636 Management of Common Health Problems in Children, Adults and Families Practicum (5)
DNP 637 Management of Complex and Chronic Health Problems in Children, Adults and Families (3)
DNP 638 Management of Complex and Chronic Health Problems in Children, Adults and Families Practicum (5)
DNP 712 Clinical Residency and Management (12)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

## Admission Requirements:

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working in the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/family-nurse-practitioner
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP (NUANPCFDNP)

Online Degree Search Title: Family Psychiatric Mental Health Nurse Practitioner, DNP
Campus: Downtown Phoenix

## Program Description:

DNP graduates are prepared to practice at the most advanced level of nursing. This Doctor of Nursing Practice degree program, accredited by the Commission on Collegiate Education, provides a foundation for the specialty through graduate courses in the application of theory to advance practice. The focus is on development of expertise in providing mental health care to individuals of all ages within traditional, nontraditional and culturally diverse families. Courses are designed to prepare students for certification in advanced nursing as a family psychiatric mental health nurse practitioner.

This program is offered in a hybrid iCourse format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange these in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

## Degree Requirements:

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
DNP 711 Healthcare Policy and Innovation (3)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration ( 41 credit hours)
DNP 660 Advanced Neuropsychopathology Lifespan (2)
DNP 671 Advanced Mental Health Assessment Across the Lifespan (2)
DNP 672 Psychopharmacology Across the Lifespan (3)
DNP 673 Mental Health Promotion Across the Lifespan (3)
DNP 674 Mental Health Promotion Across the Lifespan Practicum (3)
DNP 675 Management of Common Mental Health Disorders Across the Lifespan (3)
DNP 676 Management of Common Mental Health Disorders Across the Lifespan Practicum (5)
DNP 677 Management of Complex and Chronic Mental Health Disorders Across the Lifespan (3)
DNP 678 Management of Complex and Chronic MH Disorders Across the Lifespan Practicum (5)
DNP 712 Clinical Residency and Management (12)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to
have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

One year of clinical experience working in the student's specialty population is preferred.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/family-psychiatric-mental-health-nurse-practitioner
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Advanced Nursing Practice (Innovation Leadership), DNP (NUANPILDNP)

Online Degree Search Title: Advanced Nursing Practice (Innovation Leadership), DNP
Campus: Downtown Phoenix

## Program Description:

The DNP in advanced nursing practice with a concentration in innovation leadership, accredited by the Commission on Collegiate Nursing Education, is directed toward professional nurses who seek the scholarship, skills and capacity to lead effective change in systems, organizations and practice environments, using innovation theories and methodologies as the frame for their leadership practice. This concentration focuses on improving health care through facilitating a culture of best practice and providing skills necessary to develop advanced practice nursing leaders for the future.

Graduates of this program will be able to facilitate the application and integration of research into clinical practice using innovative approaches across multiple settings to improve health care, patient outcomes and health care systems.

This program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and two or three times per semester.

## Degree Requirements:

84 credit hours including the required applied project course (DNP 712).

Required Core (41 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcome Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
DNP 711 Healthcare Policy and Innovation (3)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration ( 13 credit hours)
DNP 713 Analysis of Organizational Cultures in Healthcare (3)
DNP 714 Professional Relationships in Healthcare (3)
DNP 716 Leadership of Innovation in Healthcare (4)
NUR 640 Integrative Theories of Innovation Health Care (3)

Culminating Experience (12 credit hours)
Applied Project: DNP 712 Clinical Residency and Management (12)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and a master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required.

Applicants will be reviewed on a space-available basis after the priority deadline. Students should see the program website for application deadlines.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/advanced-nursing-practice-innovation-leadership-dnp
HLTHN 113
nursingandhealth@asu.edu
602-496-0937
Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPNDNP)
Online Degree Search Title: Neonatal Nurse Practitioner, DNP
Campus: Downtown Phoenix

## Program Description:

This program is designed for nurses seeking to become advanced practical nurses as neonatal nurse practitioners. Providing a foundation for this specialty are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced pharmacology and advanced health assessment. Advanced neonatal nursing theory and clinical courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

## Degree Requirements:

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 679 Biostatistics: Principals of Statistical Inference (3)
DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 704 Principles of Evidenced-Based Care in Advanced Practice (4)
DNP 705 Healthcare Outcomes Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
DNP 711 Healthcare Policy and Innovation (3)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration (34 credit hours)
DNP 653 Advanced Development and Family Health Promotion: Neonatal Theory I (3)
DNP 654 Neonatal Practicum I (3)
DNP 655 Management of Common Neonatal Problems (3)
DNP 656 Neonatal Practicum II (5)
DNP 657 Management of Complex Problems in Neonates (3)
DNP 658 Neonatal Practicum III: Management of Complex Problems in Neonates (5)
DNP 712 Clinical Residency and Management (12)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, please see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.
institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one selfevaluation completed by the applicant
- satisfactory completion of the analytical writing section of the GRE
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered license is required. If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse.

An interview with a representative of the specialty area is required.

Students should see the program website for application deadlines.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
HLTHN 113
DNPNursing@asu.edu
602-496-0937

## Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP)

Online Degree Search Title: Pediatric Nurse Practitioner, DNP
Campus: Downtown Phoenix

## Program Description:

DNP graduates are prepared to practice at the most advanced level of nursing. This Doctor of Nursing Practice program, accredited by the Commission on Collegiate Nursing Education, provides a foundation for this specialty through the application of theory to advance practice. Courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families.

This program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and then two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Experiences with disadvantaged and multicultural populations are encouraged as are experiences in rural areas, and sites are available for these experiences.

## Degree Requirements:

84 credit hours including the required applied project course (DNP 707).

Required Core (41 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
DNP 609 Advanced Practice Nursing Role (1)
DNP 640 Advanced Human Pathophyiology Pediatrics (4)
DNP 641 Advanced Health Assessment Pediatrics (3)
DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)
DNP 679 Biostatistics: Principals of Statistical Inference (3)

DNP 703 Innovation in Communication: Scholarly and Professional Writing (2)
DNP 704 Principles of Evidence-Based Care in Advanced Practice (4)
DNP 705 Health Care Outcomes Management (3)
DNP 708 Systems Thinking in a Complex Healthcare Environment (3)
DNP 709 Individual and Innovation Leadership in Healthcare Practice (3)
DNP 711 Healthcare Policy and Innovation (3)
DNP 715 Dynamics and Principles of Information in Health Care (3)

Concentration (34 credit hours)
DNP 643 Developmentally Based Care of the Well Child (3)
DNP 644 Well Child Advanced Practicum (3)
DNP 645 Management of Common Problems in Pediatric Primary Care (3)
DNP 646 Management of Common Problems in Pediatric Primary Care Practicum (5)
DNP 647 Management of Complex and Chronic Health Problems in Pediatric Primary Care (3)
DNP 648 Management of Complex and Chronic Health Problems in Pediatric Primary Care Practicum (5)
DNP 712 Clinical Residency and Management (12)

Electives and Research (6 credit hours)

Culminating Experience (3 credit hours)
DNP 707 Disseminating Evidence to Advance Best Practice in Health Care and Health Policy (3)

Additional Curriculum Information
Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

For electives or research, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

A current unencumbered RN license in the state in which the student plans to do clinical practicums is required. All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

No admission examination is required

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/pediatric-nurse-practitioner
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Biospecimen Repository Administration (certificate), Certificate (NUBRAGRCT)

Online Degree Search Title: Biospecimen Repository Administration (Graduate Certificate)
Campus: Online

## Program Description:

The biospecimen repository administration certificate program prepares students to oversee the business and administrative operations of a biospecimen repository. The collection, storage and distribution of biological samples such as blood and tissue for research and personalized medicine is changing how researchers and doctors look at health, disease and treatments. Biobanks, or biospecimen repositories, found in hospitals, research institutions, laboratories, academic sites and pharmaceutical companies, need trained and capable leaders who can oversee the business, technical and operational aspects of the site including regulatory and informatics pieces. Leaders also need to apply best practices, existing regulations, and current methods and standards for the proper management of biospecimen repositories.

Focusing on collection, storage and disbursement of samples, the program includes ethical and practical considerations of biospecimen resource management and operations, resource evaluation and implementation, and project management. Related business concepts such as cost-benefit analytics, personnel and sustainability of the repository are also covered in the program. Emphasizing principles of ethical and quality practices, this program will prepare students to work in this highly regulated field.

## Degree Requirements:

15 credit hours.

Required Core ( 15 credit hours)
HCR 545 Foundations of Biospecimen Repository Administration (3)
HCR 546 Management of Biospecimen Repository Operations (3)
HCR 547 Biospecimen Resource and Technology Management (3)
HCR 548 Regulation and Ethics in Biospecimen Repository Administration (3)
HCR 549 Scientific Innovation and Biospecimen Repository Administration (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any business, science, engineering, nursing, medicine, math, technology or health-related field or a bachelor's degree in any other field not mentioned above with more than six months vocational experience in the biospecimen repository administration field.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no required admission examinations.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-biospecimen-repository-administration?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/biospecimen-repository-administration-graduate-certificate
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Care Coordination (certificate), Certificate (NUCRCDGRCT)

Online Degree Search Title: Care Coordination (Graduate Certificate)
Campus: Downtown Phoenix, West

## Program Description:

Completion of the certificate in care coordination provides individuals with a foundation to synthesize available evidence to lead interprofessional teams to design, deliver and evaluate care coodination practices that are patient-centered; improve health, safety and cost outcomes; and enhance quality and access to care across diverse populations. This program supports preparation for national certification as a case manager through the American Nurses Credentialing Center or through the Case Management Society of America.

## Degree Requirements:

15 credit hours.

Required Core ( 15 credit hours)
NUR 510 Foundations of Care Coordination Practice (3)
NUR 511 Concepts of Care Coordination and the Nurse's Role (3)
NUR 512 Improving Quality and Safety Outcomes through Effective Care Coordination (3)
NUR 513 Interprofessional Collaborative Practice and Transforming Health Care Policy (3)
NUR 519 Role-Focused Practicum: Care Coordination (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing at a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirements and all requirements for the Commission on Graduates of Foreign Nursing Schools.

An interview with program faculty is required prior to admission to the program.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

There are no required admission examinations for this program.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/care-coordination-graduate-certificate
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Clinical Research Management, MS (NUCRMMS)

Online Degree Search Title: Clinical Research Management, MS
Campus: Online

## Program Description:

This program prepares students to lead complex global clinical research operations in multiple types of employer settings in the rapidly growing clinical research industry

The MS program in clinical research management offers a transdisciplinary approach to education in the fiscal practices of conducting clinical research, the ethical and regulatory aspects of clinical research and the overall operational management of clinical drug, biological and medical device trials. The program is designed to be flexible, making it convenient for the adult learner.

## Degree Requirements:

33 credit hours including the required capstone course (HCR 566).

Required Core (15 credit hours)
HCR 551 Clinical Research Monitoring (3)
HCR 561 Responsible Conduct of Clinical Research (3)
HCR 563 Fundamentals of Regulatory Affairs (3)
HCR 565 Clinical Research Operations (3)
HCR 574 Scientific and Research Review Boards (3)
Restricted Electives (15)
Culminating Experience ( 3 credit hours)
HCR 566 Capstone Clinical Research Management Project II (3)

Additional Curriculum Information
Students should see the academic unit for the list restricted electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree that includes courses with content in anatomy and physiology and medical terminology or if they have earned a bachelor's degree in any field and provide evidence of successful completion of additional courses in anatomy and physiology and medical terminology.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 credit hours or 90 quarter hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- three online references
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.
The applicant must have six months of full-time, related clinical research work or internship experience as described in a resume or curriculum vitae.

The online references should be from colleagues, supervisors or other professional contacts and should attest to the applicant's academic and leadership experiences.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-science-clinical-research-management?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/clinical-research-management-ms
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Clinical Research Management (certificate), Certificate (NUHCRGRCC)

Online Degree Search Title: Clinical Research Management (Graduate Certificate)
Campus: Online

## Program Description:

The graduate certificate program in clinical research management offers an alternative for those who are not ready for a master's degree or do not have time to devote to completing one. The program prepares graduates to lead complex clinical research operations in a wide variety of employer settings within the rapidly growing clinical research industry.

The clinical research management certificate program offers a multidisciplinary approach to education in the fiscal practices of clinical research, the ethical and regulatory aspects of clinical research, and the overall operational management of clinical drug, biological and medical device trials. The program is designed to be flexible and conducive to the adult learner.

## Degree Requirements:

15 credit hours.

Required Core (12 credit hours)
HCR 561 Responsible Conduct of Clinical Research (3)
HCR 562 Clinical Research Data Management and Technology Implementation (3)
HCR 563 Fundamentals of Regulatory Affairs (3)
HCR 565 Clinical Research Operations (3)

Restricted Elective (3 credit hours)

Additional Curriculum Information
Students should see the academic unit for the list restricted electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution that includes courses with content in anatomy and physiology and medical terminology, or if applicants have earned a bachelor's degree and provide evidence of successful completion of additional courses in anatomy and physiology and medical terminology.

Applicants must have a minimum 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " $\mathrm{A} "$ ) in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- three online references
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must have six months of full-time, related clinical research work or internship experience as described on the applicant's resume or curriculum vitae. Applicants may be required to submit a job description or internship transcript from their employer.

The online references should be from colleagues, supervisors or other professional contacts who can attest to the applicant's academic and leadership experiences.

Students should see the program website for application deadlines.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-clinical-research-management?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/clinical-research-management-graduate-certificate
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Clinical Research Management (Regulatory Science), MS (NUCRMRSMS)

Online Degree Search Title: Clinical Research Management (Regulatory Science), MS

## Campus: Online

## Program Description:

The purpose of the regulatory science concentration is to prepare students for careers in regulatory aspects of clinical research. The regulatory science program uses a transdisciplinary approach and encompasses coursework in regulatory writing techniques, quality systems and medical device or pharmaceutical regulation. The concentration program is designed to develop the student's understanding of how to meet regulatory oversight requirements as they relate to the conduct of clinical studies. The program offers an alternative course option for students pursuing the clinical research management MS degree

## Degree Requirements:

33 credit hours including the required capstone course (HCR 566)

Required Core (15 credit hours)
HCR 551 Clinical Research Monitoring (3)
HCR 561 Responsible Conduct of Clinical Research (3)
HCR 563 Fundamentals of Regulatory Affairs (3)
HCR 565 Clinical Research Operations (3)
HCR 574 Scientific and Research Review Boards (3)

Concentration Courses (15 credit hours)
HCR 552 Medical Device Development and Regulation (3)
HCR 553 Quality Assurance and Clinical Research (3)
HCR 555 Pharmaceutical Safety and Risk Management (3)
HCR 558 Technical Writing for the Regulatory Professional (3)
HCR 562 Clinical Research Data Management and Technology Implementation (3)

Culminating Experience (3 credit hours)
HCR 566 Capstone Clinical Research Management Project II (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree that includes courses with content in anatomy and physiology and medical terminology or if they have earned a bachelor's degree in any field and provide evidence of successful completion of additional courses in anatomy and physiology and medical terminology.
bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- three online references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The applicant must have six months of full-time, related clinical research work or internship experience as described in a resume or curriculum vitae.

The online references should be from colleagues, supervisors or other professional contacts and should attest to the applicant's academic and leadership experiences.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-science-clinical-research-management-regulatory-science)

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/clinical-research-management-regulatory-science-ms
MERCC 250
nursingandhealth@asu.edu
602-496-0937

## Community and Public Health Practice (certificate), Certificate (NUCHPGRCH)

Online Degree Search Title: Community and Public Health Practice (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

The graduate certificate program in community and public health practice is directed toward students with bachelor's degrees who currently work in community or public health or other relevant fields and who want to solve public health problems and apply a breadth of knowledge and expertise in the community.

## Degree Requirements:

16 credit hours.

The graduate certificate program in community and public health practice includes three credit hours (135 clock hours) of internship.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing or a related field from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current unencumbered professional license in the state where the internship will be conducted or an unencumbered Arizona professional practice license (if necessary)
- three professional recommendations from individuals knowledgeable about the applicant's academic and leadership potential
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

An interview with the program faculty is required before a student will be admitted to the certificate program.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Family Nurse Practitioner (certificate), Certificate (NUFMPGRCE)

## Online Degree Search Title: Family Nurse Practitioner (Graduate Certificate)

Campus: Downtown Phoenix

## Program Description:

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses with a DNP or MS degree in nursing who seek to become family nurse practitioners. This certificate program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

## Degree Requirements:

22 credit hours.

This graduate certificate program (including 585 clinical hours) prepares nurses with their master's degree to become family nurse practitioners.

Prerequisites required or equivalent courses taken in master's program:

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Advanced Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role I (1)

Students will have an individual review of their transcripts and an individualized program of study designed to meet certification requirements. This may add up to one year of additional study to complete this certificate.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

All applicants will have an interview with program faculty prior to admission to the program.

It is preferred that applicants have at least one year of clinical experience working in the student's specialty population.

There are no required admission examinations.

Disclosure information for the U.S. Department of Education Gainful Employment Program is at https://catalog.asu.edu/files/disclosures/NUFMPGRCE/Gedt.html (https://catalog.asu.edu/files/disclosures/NUFMPGRCE/Gedt.html).

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/family-nurse-practitioner-graduate-certificate
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Family Psychiatric and Mental Health Nurse Practitioner (certificate), Certificate (NUPMNUPRCE)

Online Degree Search Title: Family Psychiatric and Mental Health Nurse Practitioner (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

This certificate program, accredited by the Commission on Collegiate Nursing Education, is designed for nurses with an MS in nursing who seek to become family psychiatric nurse practitioners or for nurse practitioners with a master's or DNP degree who seek additional certification as a family psychiatric nurse practitioner. This certificate program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for up to a week for orientation at the beginning of the program and two or three times per semester.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

## Degree Requirements:

28 credit hours.

This graduate certificate program (including 585 clinical hours) prepares nurses with a master's degree to become family psychiatric mental health nurse practitioners.

Required prerequisites (or equivalent courses taken while in master's degree program)

DNP 604 Advanced Human Pathophysiology Across Lifespan (4)
DNP 605 Advanced Health Assessment Across Lifespan (3)
DNP 608 Applied Pharmacotherapeutics Across Lifespan (3)
DNP 609 Advanced Practice Nursing Role I (1)

Students will have an individual review of their transcripts and an individualized plan of study designed to meet certification requirements. Depending on how many prerequisite courses are completed in the master's degree program, up to one year of additional study may need to be added to complete this specialty.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

All applicants will have an interview with program faculty prior to admission to the program.

It is preferred that applicants have at least one year of clinical experience working within the student's specialty population.

There are no required admission examinations.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/family-psychiatric-and-mental-health-nurse-practitioner-graduate HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Health Care Innovation, Certificate (NUHCINGRCT)

Online Degree Search Title: Health Care Innovation (Graduate Certificate)
Campus: Online

## Program Description:

The health care innovation graduate certificate program provides students with the cognitive and affective competencies to create and sustain transformative change in health care. Students will learn through reflection, personality assessment, exercises in interprofessional team-case study analyses, system intervention, idea pitching and change-readiness assessment. Related entrepreneurial and intrapreneurial concepts such as prototyping, project plan design, systems thinking, outcome evaluation and presentation skills are included in the program. Emphasizing complexity leadership and vulnerability along with emotional competence, this certificate program will prepare students to work in the interprofessional and highly sought-after area of health care innovation.

## Degree Requirements:

15 credit hours including the required capstone course ( HCl 570 ).

Required Core (11 credit hours)
HCl 538 Innovation and the Individual (3)
HCI 542 Systems Thinking in a Complex Environment (3)
HCI 554 Outcomes Evaluation (3)
HCl 561 Innovation Methods (2)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any health-related business, social science, hard science, health care practice or technology field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no required admission examinations.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-health-care-innovation?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/health-care-innovation-graduate-certificate
MERCC 250
nursingandhealth@asu.edu
602-496-0937
Healthcare Innovation, MHI (NUHCINNMHI)
Online Degree Search Title: Healthcare Innovation, MHI
Campus: Online

## Program Description

Students in the Master of Healthcare Innovation program learn how to create and sustain cultures of innovation in health care from multiple perspectives: personal competence for innovation, use of evidence in decision-making, remodeling system infrastructures, financing, communication, entrepreneurship, technology and policy-making. Students develop competence in the design, application and testing of innovative processes and products. A primary focus is on preparing students to lead processes of innovation and transformation. Innovative thinking, planning, implementing and evaluation are emphasized throughout the program. The curriculum incorporates the latest trends in health care and is built upon collaboration with other professionals and faculty across diverse disciplines.

Graduates of the program possess the leadership skills and behaviors to influence the future of health care and transform and improve health care outcomes for individuals and communities.

## Degree Requirements:

34 credit hours including the required capstone course $(\mathrm{HCl} 563)$.

Required Core (26 credit hours)
HCl 538 Innovation and the Individual (3)
HCl 540 Understanding and Applying Principles of Evidence-Based Practice (3)
HCI 542 Systems Thinking in a Complex Environment (3)
HCI 544 IT for Health Care Innovation (3)
HCI 548 Advanced Principles and Concepts of Innovation (3)
HCl 550 Health Care Policy and Innovation (3)
HCI 552 Financing for Innovation (3)
HCl 554 Outcomes Evaluation (3)
HCI 561 Innovation Methods (2)

Electives (3 credit hours)

Culminating Experience (5 credit hours)
HCI 563 Capstone: Final Innovation Project (5)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit

- graduate admission application and application fee
- official transcripts
- three professional recommendations
- personal statement and essays
current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The professional recommendations should be from individuals knowledgeable about the applicant's academic and leadership potential.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-healthcare-innovation?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://mhi.asu.edu/
MERCC 250
healthcareinnovation@asu.edu
602-496-0937

## Innovation Leadership, Certificate (NUINLSGRCT)

Online Degree Search Title: Innovation Leadership (Graduate Certificate)
Campus: Online

## Program Description:

This graduate certificate program in innovation leadership provides students with the cognitive and affective competencies to lead and facilitate innovation in the contexts of health care products, processes and systems. The emerging field of innovation leadership in health care requires individuals who can lead and facilitate change. Students will learn through reflection, personality assessment, public speaking, leadership network identification, entrepreneurship, idea pitching and change-readiness assessment. This certificate program will prepare students to work in this transdisciplinary and highly sought-after area of leadership.

## Degree Requirements:

15 credit hours including the required capstone course ( HCI 571 ).

Required Courses ( 12 credit hours)
HCl 538 Innovation and the Individual (3)
HCI 543 Approaches to Health Care Innovation (3)
HCI 545 Public Speaking for Innovation: Building Your Presence and Making the Case for Change (3)
NLM 562 Social Entrepreneurship (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any health-related business, social science, hard science, health care practice or technology field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no required admission examinations.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/non-degree/graduate-certificates
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## International Health for Healthcare Professionals (certificate), Certificate (NUHCRGRCI)

Online Degree Search Title: International Health for Healthcare Professionals (Graduate Certificate)

Campus: Downtown Phoenix

## Program Description:

The international health for health care professionals graduate certificate program prepares health care personnel to meet the global health challenges of the 21st century. Students receive comprehensive education in the promotion of holistic, culturally responsive, evidence-based care within and outside the U.S.

Course content includes the provision of care in the presence and absence of natural (e.g., earthquakes) and human-made disasters (e.g., war), the spread of chronic and infectious diseases, economic and political issues, and other factors that pose substantial challenges to world health promotion and disease prevention.

This graduate certificate is offered as a part-time or full-time hybrid online distance program that includes two day-long visits to the ASU Downtown Phoenix campus and a capstone immersion experience.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they are undergraduate-prepared nurse or health-related professional (e.g., social worker, physician, psychologist, dentist) with a baccalaureate or graduate degree from a nationally or internationally recognized and regionally accredited academic institution, or equivalent

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional license in the state where the individual capstone project will be conducted, if required (e.g., RN, NP, MSW, PA or MD)
- resume or curriculum vitae
- email addresses of three professional references (not friends or relatives) who will be contacted for completion of online recommendations
- fingerprint clearance or proof of application for U.S. citizens and applicants with permanent U.S. resident status
- photocopy of current, valid passport
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

References will be contacted by the Graduate College, with a request to complete a reference questionnaire.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Interprofessional Healthy Aging (certificate), Certificate (NUGNCERT)

Online Degree Search Title: Interprofessional Healthy Aging (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

This certificate program prepares health and social service professionals to address healthy aging with a focus on prevention and early intervention to optimize the health, behavioral health and quality of life of older adults and their family caregivers.

## Degree Requirements:

18 credit hours.

Required Core (15 credit hours)
DNP 682 Geriatric Health Promotion (3)
NUR 629 Research for Geriatric Practice (3)
SWG 570 Aging: A Biopsychosocialspiritual Perspective (3)
SWG 572 Interprofessional Approaches to Healthy Aging (3)
SWG 573 Policies to Promote Healthy Aging (3)

Restricted Electives: (3 credit hours)

Additional Curriculum Information
Students should see the academic unit for the approved elective course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Nursing and Health Innovation, College of College of Nursing and Health Innovation https://nursingandhealth.asu.edu
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

# Nurse Education in Academic and Practice Settings (certificate), Certificate (NUNURSEDCE) 

Online Degree Search Title: Nurse Education in Academic and Practice Settings (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

This certificate program in nurse education in academic and practice settings prepares registered nurses and other health professionals who have earned a master's degree to teach in academic or practice settings. This graduate certificate program is delivered using a hybrid format that optimizes in-person and iCourse delivery methods. Courses include curriculum development, teaching methods, design and delivery of mediated instruction, producing and evaluating educational programs and a teaching practicum.

## Degree Requirements:

15 credit hours.

A three credit hour teaching practicum (comprised of 135 clock hours) is required.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a minimum of a master's degree, in any field, from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- interview with program faculty
- three professional letters of recommendation
- resume
- goal statement
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students who are currently registered nurses are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

There are no required admission examinations for this program.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/nurse-education-academic-and-practice-settings-graduate-certificate
HLTHN 113
nursingandhealth@asu.edu

## Nursing (Care Coordination), MS (NUCRCDMS)

Online Degree Search Title: Nursing (Care Coordination), MS
Campus: Downtown Phoenix, West

## Program Description:

Graduates are prepared as case managers able to synthesize innovation principles and best available evidence to lead interprofessional teams to design, deliver and evaluate care coordination practices that are patient-centered; improve health, safety and cost outcomes; and enhance quality and access to care across diverse populations.

This program supports preparation for national certification as a case manager through the American Nurses Credentialing Center.

## Degree Requirements:

35 credit hours including the required Applied Project Course (NUR 593).

Required Core (15 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
NUR 501 Individual and Innovation Leadership in Advanced Nursing Practice (3)
NUR 502 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion I (3)
NUR 503 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion II (3)

Concentration (12 credit hours)
NUR 510 Foundations of Care Coordination Practice (3)
NUR 511 Concepts of Care Coordination and the Nurse's Role (3)
NUR 512 Improving Quality and Safety Outcomes through Effective Care Coordination (3)
NUR 513 Interprofessional Collaborative Practice and Transforming Health Care Policy (3)

Other Requirements (5 credit hours)
NUR 509 Clinical Prevention and Population Health Practicum (2)
NUR 519 Role-Focused Practicum: Care Coordination (3)

Culminating Experience (3 credit hours)
NUR 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

There are no required admission examinations for this program.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Nursing (Nursing Education), MS (NUNURSEDMS)

Online Degree Search Title: Nursing (Nursing Educator), MS
Campus: Downtown Phoenix

## Program Description:

The MS program in nursing education prepares nurses as educators in increasingly complex, technological health environments with culturally diverse populations. The program is designed to foster scholarship, creativity and innovation as a foundation for leadership roles in teaching in academic and practice settings.

The program offers advanced-level courses in education that can be used to provide a transition to doctoral level study, depending on career goals. At the completion of the program, graduates may be eligible to take the National League for Nursing's Certified Nurse Educator certification examination.

## Degree Requirements:

35 credit hours including the required applied project course (NUR 593).

Required Core (15 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
NUR 501 Individual and Innovation Leadership in Advanced Nursing Practice (3)
NUR 502 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion I (3)
NUR 503 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion II (3)

Concentration (12 credit hours)
NUR 670 Curriculum Development in Academic and Practice Settings (3)
NUR 671 Teaching in Academic and Practice Settings (3)
NUR 672 Design and Delivery of Mediated Instruction (3)
NUR 673 Producing and Evaluating Programs for Academic and Practice Settings (3)

Other Requirements (5 credit hours)
NUR 509 Clinical Prevention and Population Health Practicum (2)
NUR 579 Role-Focused Practicum: Nurse Educator (3)

Culminating Experience (3 credit hours)
NUR 593 Applied Project (3)

Additional Curriculum Information
This degree program culminates in an applied project related to learner-centered education. The core of the program consists of 15 credit hours of courses and a practicum, which focuses on the science and art of nursing education, and theory and practice courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

There are no required admission examinations for this program.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/nursing-nursing-educator-ms
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Nursing (Nursing Informatics), MS (NUNINFMS)

Online Degree Search Title: Nursing (Nursing Informatics), MS
Campus: Downtown Phoenix

## Program Description:

The MS program in nursing with a concentration in nursing informatics provides registered nurses with advanced preparation to integrate technological expertise and data management skills in health care settings to improve access to health care, enhance health care quality and safety, and reduce health care costs. This program supports preparation for national certification in Informatics (RN-BC) and Certified Professionals in Health Information and Management Systems.

## Degree Requirements:

35 credit hours including the required Applied Project Course (NUR 593).

Required Core (15 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
NUR 501 Individual and Innovation Leadership in Advanced Nursing Practice (3)
NUR 502 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion I (3)
NUR 503 Advanced Health Assessment, Pathophysiology and Pharmacotherapeutics for Health Promotion II (3)

Concentration ( 15 credit hours)
BMI 601 Fundamentals of Health Informatics (3)
BMI 603 Health Informatics Database Modeling and Applications (3)
NUR 530 Foundational Concepts for Nursing Informatics (3)
NUR 531 Advanced Concepts in Nursing Informatics (3)
NUR 539 Role-Focused Practicum: Nursing Informatics (3)

Other Requirements (2 credit hours)
NUR 509 Clinical Prevention and Population Health Practicum (2)

Culminating Experience (3 credit hours)
NUR 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a nationally recognized, regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

An interview with program faculty is required.

There are no required admission examinations for this program.

Health and safety requirements include passing disposition on a background clearance and satisfactory completion of a substance screen.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Nursing (Patient Safety and Health Care Quality), MS (NUPSHCMS)

Online Degree Search Title: Nursing (Patient Safety and Health Care Quality), MS
Campus: Downtown Phoenix, West

## Program Description:

The MS degree program in nursing with a concentration in patient safety and health care quality provides registered nurses with advanced preparation to translate and apply concepts, practices and principles of safety and improvement science to enhance the safety and quality of patient care.

Graduates are able to synthesize innovation principles and best available evidence to develop interventions for implementation in health care settings. Learners are prepared to lead interprofessional teams to design, deliver and evaluate safety and quality improvement efforts that are patient-centered and that minimize risk and improve outcomes across diverse practice settings. This program supports preparation for national certification as a Certified Professional in Health Care Quality, as a Certified Patient Safety Officer, and as a Certified Professional in Patient Safety.

## Degree Requirements:

35 credit hours including the required Applied Project Course (NUR 593).

Required Core ( 15 credit hours)
DNP 601 Theoretical Foundations for Advance Practice Nursing (3)
DNP 602 Evaluating Research for Practice (3)
NUR 501 Individual and Innovation Leadership in Advanced Nursing Practice (3)
NUR 502 Advanced Health Assessment, Pathophysiology and Pharmacotheraputics for Health Promotion I (3)
NUR 503 Advanced Health Assessment, Pathophysiology and Pharmacotheraputics for Health Promotion II (3)

Concentration (12 credit hours)
NUR 520 Patient Safety and Health Care Quality Principles, Assessment and Methods (3)
NUR 521 Health Care Evidence, Informatics and Analysis (3)
NUR 522 Designing Systems for Patient Safety and Health Care Quality (3)
NUR 523 Interprofessional Collaboration for Improving Patient Safety and Health Care Quality Outcomes (3)

Other Requirements (5 credit hours)
NUR 509 Clinical Prevention and Population Health Practicum (2)
NUR 529 Role-Focused Practicum: Patient Safety and Health Care Quality (3)

Culminating Experience (3 credit hours)
NUR 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three professional letters of recommendation
- resume
- goal statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants must have a passing disposition on a background clearance and satisfactory completion of a substance screen.

An interview with program faculty is required.

There are no required admission examinations for this program.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/nursing-patient-safety-health-care-quality-ms
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Nursing and Healthcare Innovation, PHD (NUNHIPHD)

Online Degree Search Title: Nursing and Healthcare Innovation, PhD
Campus: Downtown Phoenix

## Program Description:

This PhD degree program in nursing and health care innovation helps address a national need for faculty and researchers, positions which are increasingly in short supply.

The program is offered in a traditional on-site delivery format and innovative, synchronous online delivery, designed to maintain our commitment to a highly mentored, interactive learning experience. Several different modalities are used to enhance the student's learning, including multimedia presentations, asynchronous discussion boards and live chats

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core ( 30 credit hours)
NUR 601 Scientific Role Development I: Engaging and Committing (1)
NUR 602 State of the Science in Nursing and Healthcare Innovation (3)
NUR 603 Social and Contextual Issues in Nursing and Healthcare (3)
NUR 604 Philosophy of Science Perspectives in Nursing and Healthcare Innovation (3)
NUR 605 Theory Analysis (3)
NUR 606 Scientific Role Development II: Validating and Demonstrating (1)
NUR 607 Scientific Role Development III: Bridging (1)
NUR 608 Qualitative Research Design and Methods (3)
NUR 609 Quantitative Research Design and Methods (3)
NUR 617 Foundational Concepts in Science and Statistics (3)
NUR 618 Advancing Research-Based Health Policy Through Leadership and Innovation Science (3)
NUR 671 Teaching in Academic and Practice Settings (3)

Electives or Research (9 credit hours)

Other Requirements (3 credit hours)
NUR 680 Research Practicum in Nursing and Health Innovation (3)

Culminating Experience (12 credit hours)
NUR 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research. From those elective and research hours, 12 credit hours are required in a substantive area of specialization and may be taken in any semester, based on availability and student interest. Twenty-four credit hours of coursework with a research focus are required, including 12 hours of dissertation credit.

Students are required to enroll in a minimum of nine credit hours per semester for years one and two of their plan of study. The plan of study can be as broad or as narrow as the student and the supervisory program committee deem necessary for the student's career goals. Students may choose from the following five substantive areas of study: aging, education, health care innovation leadership, healthy families or world health.

The program may incorporate courses from other disciplines to further refine substantive areas of study.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in nursing or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.50 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current resume
- goal statement essay
- writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants must show completion of a current inferential statistics prerequisite course.

Students are admitted once a year, to start in the fall semester.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/nursing-and-healthcare-innovation-phd
MERC C-105
phdnursing@asu.edu
602-496-0930

## Nursing Informatics (Certificate), Certificate (NUNINFGRCT)

Online Degree Search Title: Nursing Informatics (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

Graduates of the nursing informatics certificate are prepared to manage nursing and health informatics systems and create systems for planning, implementing and evaluating nursing and health information systems. This certificate program supports preparation for national certification in informatics and certified professionals in health information and management systems.

This certificate program supports preparation for national certification in informatics and certified professionals in health information and management systems.

## Degree Requirements:

15 credit hours, or 15 credit hours.

Required Core ( 15 credit hours)
BMI 601 Fundamentals of Health Informatics (3)
BMI 603 Health Informatics Database Modeling and Applications (3)
NUR 530 Foundational Concepts for Nursing Informatics (3)
NUR 531 Advanced Concepts in Nursing Informatics (3)
NUR 539 Role-Focused Practicum: Nursing Informatics (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation

Applicants are eligible to apply to the program if they have earned a bachelor's degree in nursing at a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a current unencumbered RN license in the state in which the student plans to do clinical practicums
- interview with program faculty
- three professional letters of recommendation
- resume
- goal statement
- health and safety requirements: passing disposition on a background clearance and satisfactory completion of a substance screen
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Patient Safety and Health Care Quality (certificate), Certificate (NUPSHCGRCT)

Online Degree Search Title: Patient Safety and Health Care Quality (Graduate Certificate)
Campus: Downtown Phoenix, West

## Program Description:

The certificate program in patient safety and health care quality is open to all bachelor's degree-prepared health professionals. Graduates are specialists who are able to synthesize innovation principles and best available evidence to develop interventions for implementation. They are also able to lead inter-professional teams to design, deliver and evaluate safety and quality improvement efforts that are patient centered, minimize risk and improve outcomes across diverse practice settings. This program supports preparation for national certification as a certified professional in health care quality, as a certified patient safety officer and as a certified professional in patient safety.

## Degree Requirements:

15 credit hours.

Required Courses ( 15 credit hours)
NUR 520 Patient Safety and Health Care Quality Principles, Assessment and Methods (3)
NUR 521 Health Care Evidence, Informatics and Analysis (3)
NUR 522 Designing Systems for Patient Safety and Health Care Quality (3)
NUR 523 Interprofessional Collaboration for Improving Patient Safety and Health Care Quality Outcomes (3)
NUR 529 Role-Focused Practicum: Patient Safety and Health Care Quality (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's degree in a health-related area or a bachelor's degree with an associate degree in a health-related area from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- current and unencumbered professional license (if required)
- interview with program faculty
- three professional letters of recommendation
- resume
- goal statement
- health and safety requirements (passing disposition on a background clearance and satisfactory completion of a substance screen)
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

There are no required admission examinations

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/graduate/patient-safety-and-health-care-quality-graduate-certificate
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Pediatric Nurse Practitioner (Certificate), Certificate (NUPDNPGRCT)

Online Degree Search Title: Pediatric Nurse Practitioner (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

This certificate program is designed for nurses seeking to become pediatric nurse practitioners. Providing a foundation for this certificate are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment and advanced pharmacology. Advanced pediatric nursing theory and clinical courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families.

## Degree Requirements:

32 credit hours.

Required Core (32 credit hours)
DNP 640 Advanced Human Pathophysiology Pediatrics (4)
DNP 641 Advanced Health Assessment Pediatrics (3)
DNP 642 Applied Pharmacotherapeutics for Pediatrics (3)
DNP 643 Developmentally Based Care of the Well Child (3)
DNP 644 Well Child Advanced Practicum (3)
DNP 645 Management of Common Problems in Pediatric Primary Care (3)
DNP 646 Management of Common Problems in Pediatric Primary Care Practicum (5)
DNP 647 Management of Complex and Chronic Health Problems in Pediatric Primary Care (3)
DNP 648 Management of Complex and Chronic Problems Pediatric Primary Care Practicum (5)

Additional Curriculum Information
Nurses who complete this certificate will meet the eligibility requirements to take a national pediatric nurse practitioner certification examination. In addition to completing didactic courses, students will complete 13 credit hours ( 585 clock hours) of pediatric practicum experiences in a community setting.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- goal statement
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to read The Essentials of Doctoral Education for Advanced Nursing Practice (2006) and then submit an admission essay. It should contain the following:

- description of how meeting one of the first seven essentials (from the prescribed reading, above) will further the career goals

All College of Nursing and Health Innovation students are required to complete health and safety requirements, and they must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred.

For U.S. Department of Education Gainful Employment Program Disclosure information, students should refer to the College of Nursing and Health Innovation website.

## Contact Information:

Nursing and Health Innovation, College of College of Nursing and Health Innovation https://nursingandhealth.asu.edu/
HLTHN 210FC
nursingandhealth@asu.edu
602-496-0907

## Regulatory Science and Health Safety, MS (NURSHSMS)

Online Degree Search Title: Regulatory Science, MS
Campus: Downtown Phoenix

## Program Description:

The MS program in regulatory science is designed to prepare students for careers in the field of regulatory affairs. The program focuses on safety as a fundamental aspect of regulatory science, the application of regulations throughout the life cycle of medical products, and the compliance with regulations in the development, approval and marketing of medical products. The program incorporates a transdisciplinary approach to meet the unique needs of regulating bodies and the regulated industry. It encompasses coursework in clinical research, ethics, quality systems, legal aspects and global regulatory affairs in the regulatory field.

## Degree Requirements:

33 credit hours including the required capstone course (HCR 566).

Required Core (24 credit hours)
HCR 552 Medical Device Development and Regulation (3)
HCR 553 Quality Assurance and Clinical Research (3)
HCR 561 Responsible Conduct of Clinical Research (3)
HCR 563 Fundamentals of Regulatory Affairs (3)
HCR 576 Drug Discovery, Development and Regulations (3)
HCR 577 Global Regulatory Affairs (3)
HCR 578 Legal Aspects of Clinical Research (3)
HCR 579 Translational Research in Drug Discovery and Development (3)

Restricted Electives (6 credit hours)
HCR 545 Foundations of Biospecimen Repository Administration (3)
HCR 555 Pharmaceutical Safety and Risk Management (3)
HCR 557 Clinical Research Design and Methods (3)
HCR 558 Technical Writing for the Regulatory Professional (3)
HCR 568 Health Care Project Management (3)
HCR 575 Contracting and Budgeting for Industry-Sponsored Clinical Trials (3)

Culminating Experience (3 credit hours)
HCR 566 Clinical Research Management Capstone (3)

Additional Curriculum Information
For electives coursework, students choose two courses for six credit hours from the restricted electives list. Other coursework may be substituted with approval from the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.
accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- three online recommendations
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The online references should be from colleagues, supervisors or other professional contacts and should attest to the applicant's academic and leadership experiences.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
MERCC 250
ClinicalResearchMgmt@asu.edu
602-496-0937

# Women's Health Nurse Practitioner (Certificate), Certificate (NUWHNPGRCT) 

Online Degree Search Title: Women's Health Nurse Practitioner (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

This certificate program accredited by the Commission on Collegiate Nursing Education is designed for nurses with a master's degree in nursing who seek to become women's health nurse practitioners or for nurse practitioners with a master's degree or DNP who seek additional certification as women's health nurse practitioners.

This women's health nurse practitioner certificate program is offered in a hybrid iCourse and in-person format that requires students to travel to campus for orientation and then two or three times per semester. Women's health care theory and clinical courses include theories, principles and clinical skills in the care of women and their families. Courses focus on critical thinking, diagnosis, problem-solving and nursing management of women throughout the maternity cycle and with common gynecological problems. Client education, communication and collaboration are emphasized.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student is required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

## Degree Requirements:

23 credit hours.

Required Core (23 credit hours)
DNP 613 Women's Health Promotion I (3)
DNP 614 Women's Health Practicum I (3)
DNP 615 Management of Common Problems in Women's Health (3)
DNP 616 Advanced Women's Health Practicum II (5)
DNP 617 Management of Complex and Chronic Disease in Women (3)
DNP 618 Advanced Women's Health Practicum III (6)

Additional Curriculum Information
Nurses who complete this certificate will meet the eligibility requirements to take the national women's health nurse practitioner certification examination. In addition to completing didactic courses, students will complete 14 credit hours ( 630 clock hours) of practicum experiences in a community setting.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Nursing and Health Innovation.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree in nursing from a nationally recognized, regionally accredited academic institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- documentation of a current unencumbered RN license in the state in which the student plans to do clinical practicums
- three professional letters of recommendation
- resume
- admission essay
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency per the Graduate College requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

All students are also required to have an unencumbered Arizona RN license or an unencumbered compact state RN license as mandated by the Arizona State Board of Nursing. The RN license must remain unencumbered throughout enrollment in any nursing program.

Applicants are required to have an in-person interview with the program faculty.

Applicants are asked to submit an admission essay addressing:

- Describe your career goal(s) for the next 5-10 years and discuss how obtaining a NP certificate from Arizona State University will help you meet these goals.
- Read The Essentials of Doctoral Education for Advanced Nursing Practice (2006) from the American Association of Colleges of Nursing. Focus on one of the first seven essentials and describe how meeting this essential will further your career goals.

All College of Nursing and Health Innovation students are required to complete health and safety requirements, and must have a passing disposition on a background clearance and satisfactory completion of a substance screen with the program's identified agency.

One year of clinical experience working within the student's specialty population is preferred

For U.S. Department of Education Gainful Employment Program Disclosure information, students should refer to the College of Nursing and Health Innovation website.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

## Public Service and Community Solutions, College of

Assessment of Integrative Health Modalities (certificate), Certificate (PPSWGGRCH)<br>Online Degree Search Title: Assessment of Integrative Health Modalities (Graduate Certificate)<br>Campus: Downtown Phoenix

## Program Description:

The graduate certificate program in assessment of integrative health modalities embraces lifelong learning with the development of an ongoing mindfulness practice for all health care professionals. The curriculum focuses on integrative health, the current term used by practitioners in the field who feel strongly that treating the whole person (body, mind and spirit) is the route to the highest quality of health and well-being.

Created to broaden a student's repertoire of skills, tools and techniques in providing holistic, well-rounded care to patients, clients and consumers, this certificate program provides students with extensive knowledge on integrative health and gives a practice base for mindfulness. This is achieved through evidenced-based readings and expert lectures from community health professionals and ASU faculty drawn from across disciplines. The required culminating experience can be one of three options: an approved research topic for a paper, a pre-approved community activity in which students highlight their mastery and application of the certificate content, or, if approved, a semester internship as a wellness program manager at an ASU facility.

## Degree Requirements:

15 credit hours.

Required Core ( 9 credit hours)
SWG 655 Quality of Life, Mastering Mindfulness (3)
SWG 656 Treating the Whole Person (3)
SWG 657 Holistic Therapies for Modern Times (3)

Transdisciplinary Electives (6)

Additional Curriculum Information
After the completion of the three approved courses and prior to completing the last course of the program, students are required to complete a research project highlighting their certificate experience.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in health or human services or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

In addition, applicants are required to submit to the School of Social Work:

- a resume
- a one- to two-page statement
- the School of Social Work application to the assessment of integrative health modalities certificate program

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

This certificate is open to professionals in social work, nursing or related health and human service professions from the community as well as to students currently admitted to a health and human services degree program at the master's or doctoral level.

No more than two certificate courses may be completed before applying for admission to the certificate program.

## Contact Information:

Public Service and Community Solutions, College of School of Social Work
https://socialwork.asu.edu
UCENT 800
social.work@asu.edu
602-496-0800
Community Resources and Development, MS (PPRECDTMS)
Online Degree Search Title: Community Resources and Development, MS
Campus: Downtown Phoenix

## Program Description:

The MS degree in community resources and development is offered by the School of Community Resources and Development. The master's degree program prepares students to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

Students choose between two academic options: the thesis or the professional option.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Nonprofit Leadership and Management, BS
Parks and Recreation Management, BS
Parks and Recreation Management (Therapeutic Recreation), BS
Tourism Development and Management, BS
Tourism Development and Management (Resort and Hotel Leadership), BS
Tourism Development and Management (Sustainable Tourism), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 36 credit hours and a master's research paper.

Required Core ( 15 credit hours)
CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Community Services Management (3) or advanced inquiry course (3)
CRD 552 Critical Issues (3)
CRD 555 Theoretical Perspectives in Community Development (3)

Electives (9 or 15 credit hours)

Culminating Experience (6 credit hours)
CRD 593 Applied Project (6) or
CRD 599 Thesis (6)

Additional Curriculum Information
Completion of the master's degree in community resources and development requires two years of study, on the average. Students may select a thesis or applied project. The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. The applied project option is intended for students seeking additional knowledge and expertise relevant to professional career development. Advising and direction in both options are under the direct supervision of an assigned faculty member.

Students in the applied project option take CRD 530 as part of their core coursework, and students in the thesis option will instead take an advanced inquiry course.

Students in the thesis option take nine credit hours of elective coursework, and students in the applied project option take 15 credit hours of electives.

The thesis must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

Applicants should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550
Community Resources and Development, PHD (PPCRDPHD)
Online Degree Search Title: Community Resources and Development, PhD
Campus: Downtown Phoenix

## Program Description:

The School of Community Resources and Development offers a graduate program leading to the PhD in community resources and development.

The doctoral program in community resources and development is a theoretically grounded, research-intensive degree program designed to prepare graduates for research-oriented careers in higher education, governmental agencies, nonprofit organizations and private-sector businesses. The program is based on the concept of building sustainable and healthy communities as the unifying principle in the established focus areas of:

- community studies
- nonprofit leadership and management
- parks, recreation and leisure
- tourism development and management

The theoretical and methodological approaches embedded in this program serve to integrate scholarship in these areas, in order to gain a more meaningful understanding of and impact on community life and dynamics. The program is transdisciplinary in nature. The core faculty engaged in this program are housed in the School of Community Resources and Development. In addition, the program builds on current collaborations with faculty with related research interests from many ASU departments, schools and centers.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core ( 24 credit hours)
CRD 610 Sustainable Communities (3)
CRD 620 Community Research Methods (3)
CRD 640 Research Seminar in Community Resources and Development I (3)
CRD 650 Research Seminar II (3)
CRD 683 Fieldwork (3)
REC 502 Statistical and Data Analysis (3)
REC 555 Theoretical Perspectives in Community Development (3)
advanced statistics or methods (3)

Electives or Research (18 credit hours)

Additional Curricular Information
Up to 30 hours from a previously awarded master's degree can count toward the doctoral requirements.

All students are advised initially by the doctoral program director as a cohort. Students are required to take 24 credit hours of core coursework, 15 hours of which are with the cohort during the first year and six hours of which are with the cohort during the second year. Students are assigned an individual advisor or mentor at the end of the first year of study. A supervisory committee is also formed at the end of the first year which reflects the interests of the student and faculty.

Each student develops a plan of study in consultation with the doctoral program coordinator, advisor and supervisory committee. Students complete elective coursework, including courses from contributing disciplines, selected in consultation with their advisor to foster the transdisciplinary nature of the degree program. Students also complete at least six credit hours of CRD 792 Research and 12 credit hours of CRD 799 Dissertation. When the majority of coursework has been completed and before dissertation research is started, students must complete a written examination followed by an oral examination. These examinations must be completed within five years of admission.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- current and professional resume
- statement of academic and professional goals
- GRE test scores
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. International applicants are also required to submit TOEFL scores and a financial guarantee statement.

The statement of academic and professional goals should be in sufficient detail to indicate compatibility with the educational objectives and capabilities of the doctoral program

The recommendation letters may be a mix of academic and professional references, but each must address the applicant's capacity to successfully complete the doctoral program.

Students applying to the program are expected to have a master's degree (from an accredited institution) which included a master's degree-level research methods and statistics class or classes. If deficiencies exist in community resource and development-related coursework at the master's degree level, appropriate classes are suggested.

Students should see the program website for application deadlines and admission terms.

Applications are reviewed by the admission committee and recommendations for admission are then made by the graduate program director to the dean for the Graduate College.

## Contact Information:

Public Service and Community Solutions, College of School of Community Resources and Development https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550
Community Resources and Development (Nonprofits and NGOs), MS (PPCRDNPMS)
Online Degree Search Title: Community Resources and Development (Nonprofits and NGOs), MS

## Campus: Downtown Phoenix

## Program Description:

The MS degree in community resources and development with a concentration in nonprofits and NGOs is offered by the School of Community Resources and Development. This master's degree program is research-oriented. It is designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses by teaching them to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Nonprofit Leadership and Management, BS

Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 36 credit hours including the required capstone course (CRD 580).

Required Core (15 credit hours)
CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Community Services Management (3) or advanced inquiry course (3)
CRD 552 Critical Issues (3)
CRD 555 Theoretical Perspectives in Community Development (3)

Required Concentration (6 credit hours)
NLM 510 The Nonprofit Sector (3)
NLM 562 Social Entrepreneurship (3)

Elective or Research (3 or 9 credit hours)

Culminating Experience (6 credit hours)
CRD 593 Applied Project (6) or
CRD 599 Thesis (6)

Additional Curriculum Information
Completion of the master's degree in community resources and development requires two years of study, on the average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option will take an advanced inquiry course, and they will take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom will reside in another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and will take nine credit hours of electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Only complete application files are reviewed or considered for admission. Students without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree-level classes.

Students should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Community Resources and Development (Parks and Recreation Management), MS (PPCRDPRMS)

Online Degree Search Title: Community Resources and Development (Parks and Recreation Management), MS
Campus: Downtown Phoenix

## Program Description

The MS degree in community resources and development with a concentration in parks and recreation management is offered by the School of Community Resources and Development. This master's degree program is research-oriented. It is designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses by teaching them to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Parks and Recreation Management, BS
Parks and Recreation Management (Therapeutic Recreation), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 36 credit hours including the required applied project course (CRD 593).

Required Core (15 credit hours)
CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Community Services Management (3) or advanced inquiry course (3)
CRD 552 Critical Issues (3)
CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)
CRD 569 Advanced Tourism and Recreation Studies (3)
TDM 570 Sustainable Tourism (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)
CRD 593 Applied Project (6) or
CRD 599 Thesis (6)

Additional Curriculum Information
Completion of the master's degree program in community resources and development requires two years of study, on the average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option will take an advanced inquiry course, and they will take three credit hours of elective coursework. The thesis must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom will reside in another department.

The applied project option is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and will take nine credit hours of electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals

GRE scores
three letters of recommendation

- current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree-level classes.

Applicants should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Community Resources and Development (Sustainable Communities), MS (PPCRDSCMS)

Online Degree Search Title: Community Resources and Development (Sustainable Communities), MS
Campus: Downtown Phoenix

## Program Description

The MS degree in community resources and development with a concentration in sustainable communities is offered by the School of Community Resources and Development at ASU's Downtown Phoenix campus. This master's degree program is research-oriented. It is designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses by teaching them to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's
degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Parks and Recreation Management, BS
Parks and Recreation Management (Therapeutic Recreation), BS
Tourism Development and Management, BS
Tourism Development and Management (Resort and Hotel Leadership), BS
Tourism Development and Management (Sustainable Tourism), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 36 credit hours including the required capstone course (CRD 580).

Required Core (15 credit hours)
CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Community Services Management (3) or advanced inquiry course (3)
CRD 552 Critical Issues (3)
CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)
CRD 610 Sustainable Communities (3)
NLM 562 Social Entrepreneurship (3) or
NLM 572 Community and Social Innovations (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)
CRD 593 Applied Project (6) or
CRD 599 Thesis (6)

Additional Curriculum Information
Completion of the master's degree program in community resources and development requires two years of study on average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option will take an advanced inquiry course, and they will take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom will reside in another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option take CRD 530 as part of their core coursework and will take nine credit hours of electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related discipline, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless current residency) must provide proof of English proficiency.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

Applicants should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Community Resources and Development (Tourism), MS (PPCRDTMMS)

Online Degree Search Title: Community Resources and Development (Tourism), MS
Campus: Downtown Phoenix

## Program Description:

The MS program in community resources and development with a concentration in tourism is offered by the School of Community Resources and Development. This master's degree program is research-oriented. It is designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses by teaching them to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Tourism Development and Management, BS
Tourism Development and Management (Resort and Hotel Leadership), BS
Tourism Development and Management (Sustainable Tourism), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 36 credit hours including the required capstone course (CRD 580).

Required Core (15 credit hours)
CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Community Services Management (3) or advanced inquiry course (3)
CRD 552 Critical Issues (3)
CRD 555 Theoretical Perspectives in Community Development (3)

Concentration (6 credit hours)
CRD 569 Advanced Tourism and Recreation Studies (3)
TDM 570 Sustainable Tourism (3)

Electives (3 or 9 credit hours)

Culminating Experience (6 credit hours)
CRD 593 Applied Project (6) or
CRD 599 Thesis (6)

Additional Curriculum Information
Completion of the master's degree program in community resources and development requires two years of study on average. Students may select a thesis or applied project. Advising and direction in both options are under the direct supervision of an assigned faculty member.

The thesis option is a research-oriented program and is recommended for students planning to continue graduate studies beyond the master's degree. Students in the thesis option will take an advanced inquiry course, and they will take three credit hours of elective coursework. The thesis option must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom will reside in
another department.

The applied project is intended for students seeking additional knowledge and expertise relevant to professional career development. Students in the applied project option will take CRD 530 as part of their core coursework and will take nine credit hours of electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related discipline, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
current resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Only complete application files are reviewed or considered for admission. Applicants without undergraduate academic work in related disciplines are required to take six credit hours of deficiency coursework in addition to the master's degree requirements. Deficiency coursework may be taken in conjunction with master's degree classes.

Applicants should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of School of Community Resources and Development https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Corrections Management (Certificate), Certificate (PPCMGGRCT)

Online Degree Search Title: Corrections Management (Graduate Certificate)
Campus: Online

## Program Description:

The graduate certificate program in corrections management provides coursework in criminal justice organizations, corrections and community supervision, institutional management and in cross-disciplines such as public administration. The certificate program is designed to give students a solid foundational understanding of correctional administration, leadership and policy analysis.

## Degree Requirements:

15 credit hours.

Required Core (12 credit hours)
CRJ 514 Seminar in Corrections (3)
CRJ 516 Seminar in Criminal Justice Organization and Management (3)
CRJ 528 Prison and Jail Administration OR CRJ 529 Community Corrections (3)
PAF 520 Public Management (3)

Electives (3 credit hours)

For electives, students should see the academic unit for the approved course list. There is no required culminating experience for this program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application
- official transcripts
- written statement of career and educational goals
- proof of English proficiency

Students not admitted to a graduate degree-granting program at ASU (nondegree-seeking students) must also submit two letters of recommendation and a current resume.

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

Students from related fields, such as public policy, political science, psychology, sociology, as well as other social science degrees, might be interested in this program; however, all eligible students will be considered. Although most students would most likely come from the aforementioned degree fields, there is no specific undergraduate degree major required for admission; the school will accept applicants with undergraduate degrees from all educational backgrounds.

There are no required admission examinations for this program.

Students should see the program website for application deadlines and admission terms.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-corrections-management?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
gradsccj@asu.edu
602-496-2356

## Criminal Justice, MA (PPCRIMJMA)

Online Degree Search Title: Criminal Justice, MA

## Campus: Online

## Program Description:

The MA program in criminal justice is designed to provide criminal justice agency professionals with coursework in criminology and the operation of the criminal justice system and with training in research methods and statistics. The degree program also provides students with advanced training in program planning and management, policy analysis and program evaluation.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Criminology and Criminal Justice, BS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

33 credit hours including the required capstone course (CRJ 505).

Required Core (12 credit hours)
CRJ 501 Seminar in Criminal Justice (3)
CRJ 502 Seminar in Criminology (3)
CRJ 510 Criminal Justice Planning and Program Evaluation (3)
CRJ 511 Applied Data Analysis in Criminal Justice (3)

Electives (18 credit hours)

Culminating Experience (3 credit hours)
Capstone Course: CRJ 505 Theory and Practice in Criminal Justice (3)

Additional Curriculum Information
Students can develop specializations in areas such as policing, corrections and management by combining required and elective coursework.

Students should see the academic unit for an approved elective course list. Electives must be at the 500 level.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement should be at least one page in length and describe the applicant's educational and career goals and long-term professional development strategy

Students should see the academic unit website for application deadlines.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-arts-criminal-justice?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/degree-programs
UCENT 600
gradsccj@asu.edu
602-496-2356

## Criminal Sentencing and Sentencing Advocacy (Certificate), Certificate (PPCSAGRCT)

Online Degree Search Title: Criminal Sentencing and Sentencing Advocacy (Graduate Certificate)
Campus: Online

## Program Description:

Social workers and other criminal justice professionals perform a number of roles in the disposition and sentencing of various offenders and in the provision of services to victims. The certificate program in criminal sentencing and sentencing advocacy provides social workers with the kinds of knowledge and skills required to practice as mitigation specialists. This is a burgeoning area of practice in the field of social work. It also provides criminal justice majors with exposure to classes on topics dealing with treatment alternatives and mental health concerns that are not currently
available to students in many traditional criminal justice programs.

## Degree Requirements:

15 credit hours.

Required Core (9 credit hours)
CRJ 513 Seminar in Courts and Sentencing (3)
SWG 528 Presentence Investigations (3)
SWG 529 Alternatives Penal Sanctions (3)

Electives (6 credit hours)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in social work, criminology, criminal justice or a related field, or if they are individuals who are currently enrolled in the master of criminal justice program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no required admission examinations for this program.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-criminal-sentencing-and-sentencing-advocacy?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Public Service and Community Solutions, College of
School of Social Work
https://socialwork.asu.edu
UCENT 800
social_work@asu.edu
602-496-0800

## Criminology and Criminal Justice, MS (PPCRJMS)

## Online Degree Search Title: Criminology and Criminal Justice, MS

Campus: Downtown Phoenix

## Program Description:

The MS in criminology and criminal justice is a research degree program designed to provide students with a high level of theoretical and empirical knowledge about crime and criminal justice. The program also is designed to provide students with the advanced research skills needed for careers as criminal justice researchers and for continued study in doctoral programs in criminology or criminal justice.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
Public Administration - Downtown Phoenix, MPA
Public Policy, MPP

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Criminology and Criminal Justice, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours and a thesis, or 30 credit hours including the required capstone course (CRJ 505).

Required Core (12 credit hours)
CRJ 501 Seminar in Criminal Justice (3)
CRJ 502 Seminar in Criminology (3)
CRJ 503 Research Methods for Criminal Justice (3)
CRJ 504 Statistical Tools for Criminology and Criminal Justice (3)

Electives ( $9-15$ credits hours)

Other Requirement (3 credit hours)
CRJ 604 Advanced Statistical Analysis (3)

Culminating Experience: (3-6 credit hours)
CRJ 505 Theory and Practice in Criminal Justice (3) or
CRJ 599 Thesis (6)

Additional Curriculum Information
Students choose either the thesis option or the capstone course. CRJ 604 Advanced Statistical Analysis is only required for the thesis option. To satisfy the thesis requirements for the degree, candidates must write a thesis and defend it in an oral examination conducted by the student's thesis committee.

Each student's program is designed in consultation with the faculty advisor.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- personal statement
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should address the applicant's prior education and professional experience, discuss the applicant's career goals and explain how the degree will help the applicant achieve these goals.

The GRE scores must be from within the last five years.

Applicants should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
gradsccj@asu.edu
602-496-2356

## Criminology and Criminal Justice, PHD (PPCRJPHD)

Online Degree Search Title: Criminology and Criminal Justice, PhD
Campus: Downtown Phoenix

## Program Description:

The School of Criminology and Criminal Justice at Arizona State University offers an on-campus program of coursework and research leading to the PhD in criminology and criminal justice. This program emphasizes criminal justice theory, research and policy. The program is designed to produce highly skilled criminology and criminal justice faculty and agency researchers and administrators.

The doctoral program is organized around five components:

- a comprehensive examination
- a core of required courses in research methods and analytical techniques
- a core of required courses in theory and research on crime and the criminal justice system
- a dissertation
- elective courses in criminology, criminal justice and related fields


## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral program in criminology and criminal justice includes a minimum of 72 credit hours of coursework and 12 credit hours (and only 12) of dissertation. A maximum of 30 credit hours of coursework from a previously awarded master's degree or JD may, with the approval of the supervisory committee, be applied toward the doctoral plan of study.

Each student is required to complete coursework in two core areas. This includes six credit hours of coursework in theory and research on crime and the criminal justice system and nine credit hours of coursework on research methods and analytical techniques. Elective courses comprise the remainder of the coursework required for the doctorate. All students must demonstrate proficiency in research design as well as quantitative and qualitative methods.

Required Core (15 credit hours)
CRJ 601 Seminar on Criminological Theory (3)
CRJ 602 Seminar on Criminal Justice Policies and Practices (3)
CRJ 603 Advanced Research Design (3)
CRJ 604 Advanced Statistical Analysis (3)
CRJ 605 Topics in Quantitative Methods (3)

Electives (27 credit hours)
Students choose a minimum of nine courses in consultation with the supervisory committee (27)

Other Requirements (30 credit hours)
Credit hours for coursework from master's degree or JD (30)

Culminating Experience (12 credit hours)
Dissertation (12)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

An applicant must hold a master's degree from an accredited institution; it may be in criminal justice, criminology or another field (e.g., sociology, political science, history, social work, public administration, psychology or philosophy).

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- two letters of recommendation
- current curriculum vitae or resume
- personal statement
- sample of the applicant's written work
- proof of English proficiency.

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency, which can be found at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

Official transcripts must be submitted from every university or institution in which a degree was awarded.

GRE scores must be from within the last five years.

The letters of recommendation must be from faculty members or others qualified to evaluate the applicant's academic potential for doctoral study.

The personal statement should not exceed five pages, and it should describe the applicant's prior education, relevant professional experience and career goals. The statement must explain how the doctorate in criminology and criminal justice will help the applicant attain his or her career goals. The statement should explicitly explain how the student's plans are consistent with the role and mission of the School of Criminology and Criminal Justice at ASU.

The applicant's sample of written work should be submitted electronically. The writing sample may be an article (published or unpublished), a research paper, or any other extended sample of expository skill, and the sample must be no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents should not be password protected. Acceptable file types are .rtf, .pdf, and .doc.

Students should see the unit website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
gradsccj@asu.edu
602-496-2356

## Emergency Management (Certificate), Certificate (PPEMEGRCT)

## Online Degree Search Title: Emergency Management (Graduate Certificate)

Campus: Downtown Phoenix

## Program Description:

The graduate certificate program in emergency management provides motivated students with the skills and knowledge to manage and assume positions of leadership within the field of emergency management. More specifically, an orientation on all-hazards and all-threats provides students with a generalist perspective, which is critically important for today and tomorrow's disaster managers.

The certificate program may be of interest to students in disciplines such as public policy, planning, political science, nonprofit management, social work, criminology and other related fields.

## Degree Requirements:

15 credit hours.

Required Core (9 credit hours)
PAF 520 Public Management (3)
PAF 552 Integrated Emergency Management (3)
PAF 555 Information Technology in Emergency Management (3)

Electives (6 credit hours)

Additional Curriculum Information
For electives, students should see the academic unit for an approved course list. Other coursework may be used with the approval of the academic unit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students will most likely come from related fields including political science, planning, urban and metropolitan studies, sociology, as well as other social science degrees; however, the school may accept applicants from all educational backgrounds provided they meet the minimum requirements. Current ASU graduate students are eligible for the certificate as a supplement to their existing degree program. In addition, students not enrolled in a graduate program at ASU are also eligible to apply as nondegree students provided they meet the admission criteria stated above. However, MPA students in the proposed emergency management concentration would not be eligible for admission.

Students should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of School of Public Affairs
https://spa.asu.edu/gradcertificates
UCENT 400
spa@asu.edu
602-496-0450

## Emergency Management and Homeland Security, MA (PPEMHSMA)

Online Degree Search Title: Emergency Management and Homeland Security, MA
Campus: Online

## Program Description:

The MA degree program in emergency management and homeland security promotes stronger and more resilient communities by helping prepare students to engage in the effective management of hazards and crises. This program assists the professional development of current or future practitioners as the next generation of leaders in areas related to emergency and disaster management, hazards management, public safety and homeland security. The program's students serve communities across the United States in either public, private or nonprofit sector organizations. Through collaboration among faculty, students and the practitioner community, this is a leading-edge program that addresses the complex array of 21st century challenges which require thoughtful and informed leadership.

Students can enroll in the degree program without declaring a concentration area. However, selecting a concentration area is advisable. Doing so assists in developing knowledge, skills and abilities pertinent to an intended career path.

## Degree Requirements:

30 credit hours including an applied project course (CRJ 593 or PAF 593), or 33 credit hours including an applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)
CPP 510 Hazards Governance (3)
CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 554 Homeland Security (3)
PAF 552 Integrated Emergency Management (3)
PAF 571 Geographic Information Systems (GIS) and Analysis (3)

Culminating Experience (3 credit hours)
CPP 593 Applied Project (3) or
PAF 593 Applied Project (3)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, environmental sciences or geography, public health or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate application and application fee
- official transcripts
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field or a bachelor's degree in a related area is required.
- two letters of recommendation
- a written statement, at least one page in length, which describes the applicant's educational and career goals and long-term professional development strategy
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-emergencymanagement)

## Contact Information:

Public Service and Community Solutions, College of College of Public Service and Community Solutions
https://publicservice.asu.edu/content/emergency-management-and-homeland-security-ma
CHASE 3300
linda.garcia@asu.edu
602-496-1019

## Emergency Management and Homeland Security (Biosecurity and Threat Management), MA (PPEMHSBTMA)

Online Degree Search Title: Emergency Management and Homeland Security (Biosecurity and Threat Management), MA
Campus: Online

## Program Description:

Biosecurity and threat management is an important and emerging area related to the intersection of homeland security, public health, and risk management addressing a unique set of hazard and threat management issues related to bioterrorism, agroterrorism, and communicable disease threats associated with disaster incidents. The biosecurity and threat management concentration within the MA degree in emergency management and homeland security is designed to specifically develop professionals to meet a set of emerging and challenging needs. Some of the coursework in this program is offered through the University of New South Wales as part of the PLuS alliance program.

Overall, this degree program promotes stronger and more resilient communities by helping prepare students to engage in the effective management of hazards and crises. This program assists the professional development of current or future practitioners as the next generation of leaders in areas related to emergency and disaster management, hazards management, public safety and homeland security. The program's students serve communities across the United States in either public, private or nonprofit sector organizations. Through collaboration among faculty, students and the practitioner community, this is a leading-edge program that addresses the complex array of 21 st century challenges which require thoughtful
and informed leadership.

## Degree Requirements:

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)
CPP 510 Hazards Governance (3)
CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 554 Homeland Security (3)
PAF 552 Integrated Emergency Management (3)
PAF 571 Geographic Information Systems (GIS) and Analysis (3)

Concentration (3)
PHCM 9789 Bioterrorism and Health Intelligence (3)

Concentration Elective (3 credit hours)
PHCM 9662 Health Aspects of Crises, Emergencies, Disasters (3) or
PHCM 9783 Communicable Disease Control in Humanitarian Emergencies and Disasters (3)

Elective or Research (6)

Culminating Experience (3)
CPP 593 Applied Project (3) or
PAF 593 Applied Project (3)

Additional Curriculum Information
PHCM 9789, PHCM 9662 and PHCM 9783 are offered through the University of New South Wales as part of the PLuS Alliance. Students will take up to three courses through the University of New South Wales and will request to transfer the coursework to ASU as part of the degree program.

Students choose either PHCM 9662 or PHCM 9783 as a concentration elective and two courses from a restricted electives or research list. Please see the academic unit for an approved course list.

Students will choose one of the applied project courses listed.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, or another closely related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement
- evidence of current employment
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement must be at least one page in length, which describes the applicant's educational and career goals and long-term professional development strategy. Evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field or a bachelor's degree in a related area.
program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-biosecurity-and-threat-management)

## Contact Information:

Public Service and Community Solutions, College of
College of Public Service and Community Solutions
https://publicservice.asu.edu/content/emergency-management-and-homeland-security-ma
CHASE 3300
linda.garcia@asu.edu
602-496-1019

## Emergency Management and Homeland Security (Community Resilience), MA (PPEMHSCRMA)

Online Degree Search Title: Emergency Management and Homeland Security (Community Resilience), MA
Campus: Online

## Program Description:

The community resilience concentration within the MA program in emergency management and homeland security is focused on community resilience across government agencies (local, state, federal), as well as private and nonprofit sector organizations where functional and operational responsibilities relate to planning, hazards mitigation, disaster recovery or sustainability.

Overall, this degree program promotes stronger and more resilient communities by helping prepare students to engage in the effective management of hazards and crises. This program assists the professional development of current or future practitioners as the next generation of leaders in areas related to emergency and disaster management, hazards management, public safety and homeland security. The program's students serve communities across the United States in either public, private or nonprofit sector organizations. Through collaboration among faculty, students and the practitioner community, this is a leading-edge program that addresses the complex array of 21 st century challenges which require thoughtful and informed leadership.

## Degree Requirements:

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)
CPP 510 Hazards Governance (3)
CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 554 Homeland Security (3)
PAF 552 Integrated Emergency Management (3)
PAF 571 Geographic Information Systems (GIS) and Analysis (3)

Concentration (3 credit hours)
PAF 560 Community Resilience (3)

Concentration Elective (3 credit hours)
PAF 531 Community Conflict Resolution (3) or
PAF 591 Urban Design for Safe and Healthy Cities (3)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)
CPP 593 Applied Project (3) or
PAF 593 Applied Project (3)

Additional Curriculum Information
Students choose either PAF 531 or the designated PAF 591 course as the concentration elective. For appropriate electives or research coursework, students choose two courses from a restricted list. Students should see the academic unit for an approved course list.

Students also choose one of the applied project courses listed.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement, at least one page in length, which describes the applicant's educational and career goals and long-term professional development strategy
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-communityresilience)

Contact Information:
Public Service and Community Solutions, College of
College of Public Service and Community Solutions
https://publicservice.asu.edu/content/emergency-management-and-homeland-security-ma
CHASE 3300
linda.garcia@asu.edu
602-496-1019

## Emergency Management and Homeland Security (Emergency Management), MA (PPEMHSEMMA)

Online Degree Search Title: Emergency Management and Homeland Security (Emergency Management), MA
Campus: Online

## Program Description:

The emergency management concentration within the MA degree in emergency management and homeland security is designed for individuals who intend to assume greater management responsibility in helping communities reduce vulnerability to hazards and cope with disasters in both private and public settings. Students gain an essential understanding of the entire vision, mission and principles of emergency management with an emphasis on leadership, management, use of technology and cross-agency collaboration.

Overall, this degree program promotes stronger and more resilient communities by helping prepare students to engage in the effective management of hazards and crises. This program assists the professional development of current or future practitioners as the next generation of leaders in areas related to emergency and disaster management, hazards management, public safety and homeland security. The program's students serve communities across the United States in either public, private or nonprofit sector organizations. Through collaboration among faculty, students and the practitioner community, this is a leading-edge program that addresses the complex array of 21 st century challenges which require thoughtful and informed leadership.

## Degree Requirements:

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)
CPP 510 Hazards Governance (3)
CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 554 Homeland Security (3)
PAF 552 Integrated Emergency Management (3)
PAF 571 Geographic Information Systems (GIS) and Analysis (3)

Concentration (3 credit hours)
PAF 555 Information Technology in Emergency Management (3)

Concentration Elective (3 credit hours)
PAF 561 Interoperability for Emergency Managers (3) or
SWG 579 Critical Incident Stress Management (3)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)
CPP 593 Applied Project (3) or
PAF 593 Applied Project (3)

Additional Curriculum Information
Students choose either PAF 561or SWG 579 as the concentration elective. For appropriate electives or research coursework, students choose two courses from a restricted list. Students should see the academic unit for an approved course list.

Students also choose one of the applied project courses listed.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement, at least one page in length, which describes the applicant's educational and career goals and long-term professional development strategy
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Public Service and Community Solutions, College of
College of Public Service and Community Solutions
https://publicservice.asu.edu/content/emergency-management-and-homeland-security-ma
CHASE 3300
linda.garcia@asu.edu
602-496-1019

## Emergency Management and Homeland Security (Homeland Security), MA (PPEMHSHSMA)

Online Degree Search Title: Emergency Management and Homeland Security (Homeland Security), MA
Campus: Online

## Program Description:

The homeland security concentration within the MA degree in emergency management and homeland security is focused on homeland security as a field, applicable to all levels of government (federal, state, local) and to positions in private sector organizations with functional and operational related to organizational security.

Overall, this degree program promotes stronger and more resilient communities by helping prepare students to engage in the effective management of hazards and crises. This program assists the professional development of current or future practitioners as the next generation of leaders in areas related to emergency and disaster management, hazards management, public safety and homeland security. The program's students serve communities across the United States in either public, private or nonprofit sector organizations. Through collaboration among faculty, students and the practitioner community, this is a leading-edge program that addresses the complex array of 21 st century challenges which require thoughtful and informed leadership.

## Degree Requirements:

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (18 credit hours)
CPP 510 Hazards Governance (3)
CPP 520 Program Evaluation for Emergency Management and Homeland Security (3)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 554 Homeland Security (3)
PAF 552 Integrated Emergency Management (3)
PAF 571 Geographic Information Systems (GIS) and Analysis (3)

Concentration (3 credit hours)
CRJ 553 Terrorism and Weapons of Mass Destruction (3)

Concentration Elective (3 credit hours)
CRJ 521 Seminar on the Nature of Crime (3)
PAF 561 Interoperability for Emergency Managers (3)

Elective or Research (6 credit hours)

Culminating Experience (3 credit hours)
CPP 593 Applied Project (3) or
PAF 593 Applied Project (3)

Additional Curriculum Information
Students choose either CRJ 521 or PAF 561 as the concentration elective. For appropriate electives or research coursework, students choose two courses from a restricted list. Students should see the academic unit for an approved course list.

Students also choose one of the applied project courses listed.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- a written statement, at least one page in length, which describes the applicant's educational and career goals and long-term professional development strategy
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field or a bachelor's degree in a related area
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.
program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-homelandsecurity)

## Contact Information:

Public Service and Community Solutions, College of
College of Public Service and Community Solutions
https://publicservice.asu.edu/content/emergencymanagement-and-homeland-security-ma
CHASE 3300
linda.garcia@asu.edu
602-496-1019

## Latino Cultural Competency in Social Work (certificate), Certificate (PPSWGGRCL)

Online Degree Search Title: Latino Cultural Competency in Social Work (Graduate Certificate)

Campus: Downtown Phoenix

## Program Description:

In response to the need, ASU offers a graduate certificate in Latino cultural competency through the College of Public Service and Community Solutions' School of Social Work. The School of Social Work offers Latino-oriented courses with an emphasis on Spanish language development for professional social workers.

The goal of the program is to enhance a social work professional's capacity for engaging in culturally grounded practice with Latino clients and their families.

The program is intended for professionals who want to expand their employment potential by adding an expertise in professional services with Latinos and who want to learn the critical, cross-cultural factors that influence a worker's competency in forming professional helping relationships with Latinos as well as the social and cultural context and theoretical principles of social work practice with Latinos, and learn the social service delivery issues involved in providing services for bilingual and limited- or non-English-speaking Latino populations.

## Degree Requirements:

15 credit hours.

The following is required for students enrolled in the Master of Social Work program:

- completion of 480 hours of field practicum with Latino clients and communities ( 60 percent of case load to be Spanish-speaking)
- field practice consisting of six credit hours of field practicum
- six credit hours of Latino-oriented coursework
- SWG 533 Diversity and Oppression in a Social Work Context (3)

At least three hours are required to be taken from within the School of Social Work.

Requirements for those already working in the field of social work as a community professional social worker and community worker are as follows:

- six credit hours of independent study field practice consisting of the completion of 480 hours with Latino clients and communities ( 60 percent of client caseload to be Spanish-speaking)
- six credit hours of Latino-oriented coursework
- SWG 533 Diversity and Oppression in a Social Work Context (3)

Additional Curriculum Information
At least three credit hours of the Latino-oriented coursework are required to be taken from within the School of Social Work.

Students already working in the field of social work may petition to use their place of employment for the six credit hours of independent study field practice.

Students with a Master of Social Work or BSW degree who have completed SWG 533 in the past five years may substitute another Latino-oriented course.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- the School of Social Work Latino cultural competency application form and the required \$50 application fee
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

No more than two certificate courses may be completed before applying for admission to the certificate program.

Social work graduate students must have graduate status in the College of Public Service and Community Solutions' School of Social Work and must demonstrate proficiency in the Spanish language.

Community professional social workers must possess a Master of Social Work, Bachelor of Social Work or related master's degree and must demonstrate proficiency in the Spanish language

Community workers must have the equivalency of a two-year work experience in the social service field, an undergraduate degree, and demonstrate proficiency in the Spanish language.

## Contact Information:

Public Service and Community Solutions, College of
School of Social Work
https://socialwork.asu.edu
UCENT 800
social.work@asu.edu
602-496-0800

## Law Enforcement Administration (Certificate), Certificate (PPLEAGRCT)

Online Degree Search Title: Law Enforcement Administration (Graduate Certificate)
Campus: Online

## Program Description:

The graduate certificate program in law enforcement administration will prepare and enhance the work of law enforcement professionals by providing coursework in criminal justice organizations, policing and program analysis and in cross-disciplines such as public administration. The program is designed to give students a solid foundational understanding of law enforcement agency administration, leadership and policy analysis.

## Degree Requirements:

15 credit hours.

Required Courses (12 credit hours)
CRJ 512 Seminar in Policing (3)
CRJ 516 Seminar in Criminal Justice Organization and Management (3)
CRJ 527 Police Accountability (3)
PAF 520 Public Management (3)

Electives (3 credit hours)

Culminating Experience: None Required

Additional Curriculum Information
Students should see the academic unit for the approved elective course list

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

Applicants who are nondegree-seeking students (not admitted to a graduate degree program at ASU) will be required to submit:

- graduate admission application and application fee
- official transcripts of undergraduate and graduate (if applicable) coursework
- a written statement of career and educational goals
- two letters of recommendation
- current resume
- proof of English proficiency

Applicants who are graduate degree-seeking students (admitted to a graduate program at ASU) will be required to submit:

- graduate admission application
- a written statement of career and educational goals

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students from related fields, such as public policy, political science, psychology, sociology, as well as other social science degrees, might be interested in this program; however, all eligible students will be considered. Although most students would likely come from the aforementioned degree fields, there is no specific undergraduate degree major required for admission; the school will accept applicants with undergraduate degrees from all educational backgrounds.

There are no examinations required for admission to the certificate program.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-law-enforcement-administration?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
gradsccj@asu.edu
602-496-2356

## Nonprofit Leadership and Management, MNLM (PPNPSMNS)

Online Degree Search Title: Nonprofit Leadership and Management, MNLM
Campus: Downtown Phoenix, Online

## Program Description:

Offered through the School of Community Resources and Development, the MNLM degree program is intended for professionals who work in or desire to work in the nonprofit sector at senior leadership and management levels. The program provides an opportunity to obtain an advanced degree that addresses the unique challenges and opportunities of nonprofit, nongovernmental organizations with attention on those who lead, manage and support nonprofits.

Students explore research, theory and innovative nonprofit practice that advances individual and societal goals for social, cultural, environmental, educational and economic development. The program considers the nexus among nonprofit management, social enterprise and entrepreneurship, and philanthropy that are evinced through nonprofit organizational forms.

## Degree Requirements:

33 credit hours including the required capstone course (NLM 620).

Required Core (18 credit hours)
NLM 510 The Nonprofit Sector (3)
NLM 520 Financial and Resource Management (3)
NLM 530 Program Evaluation and Information Management (3)
NLM 540 Strategic Human Resources Management (3) or NLM 545 Volunteer Resource Management (3)
NLM 550 Philanthropy (3)
NLM 620 Capstone: Critical Issues in Nonprofit Management (3)

Additional Curriculum Information
Students are required to take 18 credit hours of core coursework, of which three credit hours are a capstone course that is completed at the end of the program of study. The capstone course is integrative and case-based, allowing students to synthesize material from prior coursework. Successful completion of this course is required in place of a thesis or applied project.

Students complete 15 credit hours of related elective coursework. Courses are selected from two contributing disciplines (public affairs and social work) to foster the transdisciplinary nature of the degree. Students may petition for one three credit hour course not listed as an approved elective in their program of study as long as students can establish an intellectual and professional development objective that substantiates the course selection. The petition should be submitted prior to enrollment in an elective.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- curriculum vitae or resume
- statement of educational and career goals
- three reference letters
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.
The statement of educational and career goals should be written in sufficient detail to indicate compatibility with the educational objectives and capabilities of the school.

Reference letters should be from a combination of academic and professional references. References from friends and family members are not accepted.

Students currently pursuing the nonprofit leadership and management certificate who are interested in applying for the master's program must apply to the degree program before the completion of nine credit hours in their certificate program.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/masters-certification-master-nonprofit-leadership-and-management)

## Contact Information:

Public Service and Community Solutions, College of School of Community Resources and Development https://lodestar.asu.edu/
UCENT 500
nonprofit@asu.edu
602-496-0500

## Nonprofit Leadership and Management (certificate), Certificate (PPNONPROCE)

Online Degree Search Title: Nonprofit Leadership and Management (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

The graduate certificate program in nonprofit leadership and management provides students with an understanding of the nonprofit sector's role in society and with knowledge applicable to those who wish to lead and manage these organizations. The objective of this program, offered through the College of Public Service and Community Solutions, is to provide students from diverse academic backgrounds with exposure to content needed by leaders in the nonprofit sector, content that includes the understanding of the historical and philosophical context for nonprofit organizations in society, the theory and practice of philanthropy, financial management practices, and other topical content areas. The certificate is ideal when combined with graduate degrees in other areas and when used to provide a core concentration in nonprofit leadership and
management.

## Degree Requirements:

15 credit hours.

Required Core ( 9 credit hours)
NLM 510 The Nonprofit Sector (3)
NLM 520 Financial and Resource Management (3)
NLM 540 Strategic Human Resources Management (3) or NLM 545 Volunteer Resource Management (3)

Electives (6 credit hours)

Additional Curriculum Information
Students select either NLM 540 or NLM 545 as part of the required core coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The program is available to students who are pursuing their graduate degree in a chosen field of study and who have expressed interest in pursuing careers in the nonprofit sector. In addition, the program is well suited for working professionals who may be pursuing a graduate degree but who wish to strengthen their skills and connections to the nonprofit community.

Applicants should see the College of Public Service and Community Solutions website for more information.
U.S. Department of Education Gainful Employment Program Disclosure information is at
https://catalog.asu.edu/files/disclosures/PPNONPROCE/Gedt.html (https://catalog.asu.edu/files/disclosures/PPNONPROCE/Gedt.html).

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://lodestar.asu.edu/
UCENT 500
nonprofit@asu.edu
602-496-0500

## Participatory Governance (certificate), Certificate (PPPGOGRCT)

Online Degree Search Title: Participatory Governance (Graduate Certificate)
Campus: Downtown Phoenix, Tempe

## Program Description:

This certificate program in participatory governance provides students with the knowledge and skills to develop, implement and evaluate participatory governance programs and public engagement activities. This transdisciplinary program combines academic rigor with practical skills. Students examine the main theories and research findings on participatory governance and public engagement and familiarize themselves with past and current democratic innovations in the U.S. and around the world. Students also develop the capacity to design, carry out and examine processes of participatory governance and public engagement. The certificate program, administered by the School of Public Affairs, can be pursued as a specialization within an existing ASU graduate program or as a stand-alone program.

## Degree Requirements:

15 credit hours.

Required Core (9 credit hours)

PAF 531 Community Conflict Resolution (3)

PAF 565 Theories and Practices of Democracy (3)

PAF 566 Participatory Governance and Civic Engagement (3)

Electives (6 credit hours)

Additional Curriculum Information

Electives are chosen from a list of preapproved courses and will be selected with the faculty advisor. The faculty advisor will direct the selection of the electives to ensure that they focus on a common theme and to see that the student's experiences in the courses align with the learning goals outlined for the certificate.

Students are required to maintain at least a 3.00 GPA (scale is $4.00=$ "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students from related fields (such as political science, planning, urban and metropolitan studies, sociology, as well as other social science degrees) might be interested in this program. However, all eligible students will be considered.

Students should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/gradcertificates
UCENT 400
spa@asu.edu
602-496-0450
Policy Informatics (Certificate), Certificate (PPPOIGRCT)
Online Degree Search Title: Policy Informatics (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

The policy informatics certificate program provides knowledge and skills for students seeking careers in which they will use informatics tools, models and simulations to help individuals and groups deliberate and evaluate policy decisions as well as explore new governance infrastructures. Emphasis is placed on theories and research concerning decision-making, complexity theory, and visualization of quantitative and qualitative

Policy informatics helps to advance evidence-driven policy design, wherein scientific models and analyses drive decision-making for resolution of complex policy challenges, dilemmas and problems. This is both an emerging field of research and a community of practice focusing on advancing decision-making in the public sector through information-centric analysis of evidence that leverages computational and technological advances. Professionals who use policy informatics are involved in designing, managing and evaluating information systems and infrastructures for policy construction, analysis and implementation.

Policy informatics advances the transdisciplinary nature of the public administration discipline by infusing it with the advances of information technology, management of information systems, and computational and informational science perspectives.

## Degree Requirements:

15 credit hours.

Five courses are required for the certificate. Students should review the certificate requirements and required courses on the School of Public Affairs' website. Students are required to maintain at least a 3.00 GPA (scale is $4.00=$ "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- a statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

All materials are submitted online through the graduate admission application.

Students should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/gradcertificates
UCENT 400
spa@asu.edu
602-496-0450

## Program Evaluation, MS (PPPGEMS)

Online Degree Search Title: Program Evaluation, MS
Campus: Downtown Phoenix

## Program Description:

The MS in program evaluation is a degree program that provides students with a solid grounding in the applied and conceptual tools of conducting program evaluations. It is designed to provide graduate-level instruction and experience in conducting evaluation research with training in a broad spectrum of evaluation research methods. Upon graduation, students will be specialists in this area of research, and their training will have broad applicability for public, nonprofit and private sector programs and policies.

## Degree Requirements:

Required Core (6 credit hours)

Electives and Research (18 credit hours)

Culminating Experience (6 credit hours)
CRD 593 or CRJ 593 or PAF 593 Applied Project (6)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a minimum of a bachelor's or master's degree in criminology and criminal justice, social work, public service, nonprofit management, parks and recreation management, tourism management, business, education, family studies, public health, psychology, or a related social and applied sciences field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Public Service and Community Solutions, College of
College of Public Service and Community Solutions
https://publicservice.asu.edu/content/program-evaluation-ms
CHASE 3300
publicservice.recruitment@asu.edu
602-496-1019

## Program Evaluation (Certificate), Certificate (PPPGEVGRCT)

Online Degree Search Title: Program Evaluation (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

Professionals in the government, nonprofit and private sectors are increasingly required to demonstrate effectiveness of programs and activities. This graduate certificate in program evaluation will provide students with a solid grounding in the applied and conceptual tools of conducting evaluation research and program evaluations as well as the skills to implement evaluations.

## Degree Requirements:

18 credit hours including the required applied project course (CRD 593 or CRJ 593 or PAF 593).

Required Core (6 credit hours)
Select one required course from:
NLM 530 Program Evaluation and Information Management (3)
PAF 541 Program Evaluation (3)

Select one required course from:
CRD 502 Statistical and Data Analysis (3)
PAF 502 Public Service Research II (3)

Electives (9 credit hours)

Culminating Experience ( 3 credit hours)
CRD 593 or CRJ 593 or PAF 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology and criminal justice, social work, public service, nonprofit management, parks and recreation management, tourism management, business, education, family studies, public health, education, psychology or a related social and applied sciences field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in the applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no required admission examinations.

## Contact Information:

Public Service and Community Solutions, College of
College of Public Service and Community Solutions
https://publicservice.asu.edu/content/program-evaluation-graduate-certificate
CHASE 3300
publicservice.recruitment@asu.edu
602-496-1019

## Public Administration, EMPA (PPPUAEMPA)

Online Degree Search Title: Public Administration - Executive, EMPA
Campus: Online

## Program Description:

The ASU EMPA is a 19-month, online graduate degree program which also features three-day face-to-face executive sessions in both Phoenix and Washington, D.C. The program is a collaboration between the School of Public Affairs and the McCain Institute for International Leadership.

The ASU Executive Master of Public Administration program is designed for public sector leaders throughout the world. Students participate in the program as part of a learning cohort, and the one-course-at-a-time online structure enables them to maintain a work and life balance as they immerse in each topic. The learning experience begins with an orientation and executive session in Phoenix. Approximately one year later, the class reconvenes in Washington, D.C. for a second executive session. The executive master's degree program ends in Phoenix, where students present their applied projects.

The ASU Executive Master of Public Administration program enables students to expand the breadth and depth of their professional network. The online curriculum attracts a more geographically diverse pool of applicants, both nationally and internationally. The executive sessions in Phoenix and Washington, D.C. further enable students to develop deeper relationships with their classmates. Executive Master of Public Administration students will be selected based on their ability to demonstrate the value they would add to the learning experience of the entire class, and a new cohort begins each year.

## Degree Requirements:

30 credit hours including the required applied project course (PAF 593).

Required Core (27 credit hours)
LES 582 Ethical Issues for Managers (3)
PAF 508 Organization Behavior (3)
PAF 582 E-Public Administration (3)
PAF 585 Strategic Planning for Public Sector Leaders (3)
PAF 586 Data Analytics for the Public Good (3)
PAF 587 Federal Budgeting and Tax Policy (3)
PAF 588 Global Public Policy (3)
PAF 589 Leadership in Public Organizations (3)

Culminating Experience (3 credit hours)
PAF 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Exceptions to the GPA requirements may be considered based on the professional achievements demonstrated by the applicant as determined by applicant's resume and other application materials. In addition to the GPA requirement, applicants are expected to have five to seven years of progressive leadership experience.

The personal statement must be 300 words or fewer and should include what experiences and qualities the student will bring to the EMPA program. The student must also discuss their career objectives and how they plan to leverage the EMPA to help achieve those objectives. In addition, applicants also may provide any supplementary information that would strengthen the personal statement.

## Contact Information:

Public Service and Community Solutions, College of School of Public Affairs https://ramseyexecutive.asu.edu/content/executive-mpa MERCC 105
ramseyexecutive@asu.edu
602-496-1300

## Public Administration, MPA (PPPADTMPA)

Online Degree Search Title: Public Administration - Downtown Phoenix, MPA
Campus: Downtown Phoenix

## Program Description:

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government. The Master of Public Administration degree program is accredited by the National Association of Schools of Public Affairs and Administration and is ranked highly nationally by U.S. News \& World Report.

Students may elect to specialize in one of the four approved Master of Public Administration concentrations: urban management, nonprofit administration, emergency management or public finance.

The urban management concentration provides knowledge and skills for students seeking careers in local urban government management and enables students to develop the skills and techniques used by city and urban leaders and managers.

The concentration in nonprofit administration is intended for professionals who work in or desire to work in the nonprofit sector and who wish to explore research, theory and the practice of management and leadership in the nonprofit sector.

The concentration in emergency management prepares graduates for a challenging career as a professional emergency manager. This program allows students to focus on concerns related to emergency management within the larger field of public administration.

The concentration in public finance provides knowledge and skills for students seeking or advancing careers in areas in which financial management plays an integral role in governance. This concentration emphasizes theories and research concerning urban economics and public finance, managing money in the public sector, public budgeting and finance, and capital budgeting and financing.

In addition, the school offers concurrent programs in planning, sustainability, criminology and criminal justice, and social work. For admission and program requirements, students should see https://spa.asu.edu/content/concurrent-degrees (https://spa.asu.edu/content/concurrent-degrees).

## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
American Indian Studies (Tribal Leadership and Governance), MS
Criminology and Criminal Justice, MS
Social Work - Standard Program, MSW
Sustainability Solutions, MSUS
Urban and Environmental Planning, MUEP

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Service and Public Policy, BS
Public Service and Public Policy (American Indian Studies), BS
Public Service and Public Policy (Business), BS
Public Service and Public Policy (Criminology), BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS
Public Service and Public Policy (Health Policy), BS
Public Service and Public Policy (Law and Policy), BS
Public Service and Public Policy (Nonprofit Leadership and Management), BS
Public Service and Public Policy (Parks and Recreation Management), BS
Public Service and Public Policy (Science and Technology Policy), BS
Public Service and Public Policy (Social Services Delivery), BS
Public Service and Public Policy (Sustainability), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (24 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 503 Public Affairs (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)

Electives or Research (15 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3) or
PAF 579 Public Policy Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives. Approved elective credit hours may include courses offered by the school or other academic units in the university

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science degrees, although the department may accept applicants with degrees from all educational
backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must submit proof of English proficiency. Additional requirements for international students are available at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

At least two of the three letters of recommendation should be from faculty members or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants also may submit a resume or other documents.

Fees increase after the deadline.

Students should contact the School of Public Affairs at (602) 496-0450 or email spa@asu.edu (mailto:spa@asu.edu) if they have questions about the application process.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/mpa
UCENT 400
spa@asu.edu
602-496-0450

## Public Administration (Certificate), Certificate (PPPUAGRCT)

Online Degree Search Title: Public Administration (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

The graduate certificate program in public administration prepares students for work at all levels in governmental and nonprofit organizations Through comprehensive coverage of topics in public administration, management and policy, students discover the challenges of management, learn how to lead a public organization and understand the process of policy development. The program is designed to give students a solid foundational understanding of administration, leadership and policy analysis in service to the public good.

## Degree Requirements:

15 credit hours.

Required Core (6 credit hours)
PAF 503 Public Affairs (3)
PAF 505 Public Policy Analysis (3)

Electives (9 credit hours)

Additional Curriculum Information
Electives are chosen from a list of preapproved courses and will be selected with the faculty advisor. The faculty advisor will direct the selection of the electives to ensure they focus on a common theme and to see that the student's experiences in the courses align with the learning goals outlined for the certificate. For the electives, the student must select any three 3-credit PAF courses at the 500-level. Students should note that PAF

Students are required to maintain at least a 3.00 GPA (scale is $4.00=$ " A ") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students from related fields (such as public policy, political science, planning, urban and metropolitan studies, sociology, as well as other social science degrees) might be interested in this program. However, all eligible students will be considered.

Students should see the program website for application deadlines and admission terms.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/gradcertificates
UCENT 400
spa@asu.edu
602-496-0450

# Public Administration (Emergency Management), MPA (PPPAFEMPA) 

Online Degree Search Title: Public Administration (Emergency Management), MPA
Campus: Downtown Phoenix

## Program Description:

The MPA program with a concentration in emergency management provides students with the skills and knowledge to manage and assume positions of leadership within the field of emergency management. An all-hazards and all-threats orientation provides the student with a generalist perspective which is critically important for the disaster managers of today and tomorrow. In addition, this program examines community resilience from a systems perspective, embracing government, private, nonprofit and civic roles. The program also provides an understanding of how community members respond to the need to prepare for, endure and recover from disasters and provides the ability to utilize multiple communication methods to help community members before, during and after these emergencies.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Service and Public Policy, BS
Public Service and Public Policy (American Indian Studies), BS
Public Service and Public Policy (Business), BS
Public Service and Public Policy (Criminology), BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS
Public Service and Public Policy (Health Policy), BS
Public Service and Public Policy (Law and Policy), BS
Public Service and Public Policy (Nonprofit Leadership and Management), BS
Public Service and Public Policy (Parks and Recreation Management), BS

Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

42 credit hours including the required capstone course (PAF 509 or PAF 579).
Required Core (24 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 503 Public Affairs (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)
Required Concentration (9 credit hours)
PAF 520 Public Management (3)
PAF 552 Integrated Emergency Management (3)
PAF 555 Information Technology in Emergency Management (3)

Electives or Research (6 credit hours)
Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3) or
PAF 579 Public Policy Capstone (3)
Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include political science, criminology, planning, business, urban and metropolitan studies, as well as other social science degrees. Although most students for the graduate concentration would likely come from the aforementioned degree fields, the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- statement of career and educational goals
- three letters of recommendation (two of which should be academic recommendations)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must submit proof of English proficiency.

The following entry-level competencies are needed for admission the program: Students should have an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Students may also satisfy the American national government competency by taking the College-Level Examination Program in American Government and receiving a passing score.

GRE verbal, quantitative and analytical scores will be used as one of the indicators to see how competitive an applicant is within the applicant pool.

Students should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/mpa
UCENT 400
spa@asu.edu
602-496-0450

## Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)

Online Degree Search Title: Public Administration (NonProfit Administration), MPA
Campus: Downtown Phoenix

## Program Description:

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government. The Master of Public Administration program is accredited by the National Association of Schools of Public Affairs and Administration and is ranked highly by U.S. News \& World Report in its national graduate school rankings.

The concentration in nonprofit administration is intended for professionals who work in or desire to work in the nonprofit sector and who wish to explore research, theory and the practice of management and leadership in the nonprofit sector.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Service and Public Policy, BS
Public Service and Public Policy (American Indian Studies), BS
Public Service and Public Policy (Business), BS
Public Service and Public Policy (Criminology), BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS
Public Service and Public Policy (Health Policy), BS
Public Service and Public Policy (Law and Policy), BS
Public Service and Public Policy (Parks and Recreation Management), BS
Public Service and Public Policy (Science and Technology Policy), BS
Public Service and Public Policy (Social Services Delivery), BS
Public Service and Public Policy (Sustainability), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (21 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 503 Public Affairs (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 508 Organization Behavior (3)

Concentration (12 credit hours)
NLM 510 The Nonprofit Sector (3)
NLM 520 Financial and Resource Management (3)
NLM 540 Strategic Human Resources Management (3)
other approved course (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3) or

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives as well as the list of courses that may fulfill the concentration requirement. Approved elective credit hours may include courses offered by the school or other academic units in the university.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science disciplines, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must also submit proof of English proficiency. Additional requirements for international students are available at https://students.asu.edu/graduate/internationa (https://students.asu.edu/graduate/international).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Fees increase after the deadline.

Applicants should contact the School of Public Affairs at (602) 496-0450 or email spa@asu.edu (mailto:spa@asu.edu) if they have questions about the application process.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/mpa
UCENT 400
spa@asu.edu
602-496-0450

## Public Administration (Public Finance), MPA (PPPAFPMPA)

Online Degree Search Title: Public Administration (Public Finance), MPA
Campus: Downtown Phoenix

## Program Description:

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government. The Master of Public Administration degree program is accredited by the National Association of Schools of Public Affairs and Administration and is ranked high nationally by U.S. News \& World Report.

The concentration in public finance provides knowledge and skills for students seeking or advancing careers in areas in which financial management plays an integral role in governance. This concentration emphasizes theories and research concerning urban economics and public finance, managing money in the public sector, public budgeting, and finance and capital budgeting and financing.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Service and Public Policy, BS
Public Service and Public Policy (American Indian Studies), BS
Public Service and Public Policy (Business), BS
Public Service and Public Policy (Criminology), BS
Public Service and Public Policy (Emergency Management and Homeland Security), BS
Public Service and Public Policy (Health Policy), BS
Public Service and Public Policy (Law and Policy), BS
Public Service and Public Policy (Nonprofit Leadership and Management), BS
Public Service and Public Policy (Parks and Recreation Management), BS
Public Service and Public Policy (Science and Technology Policy), BS
Public Service and Public Policy (Social Services Delivery), BS
Public Service and Public Policy (Sustainability), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

42 credit hours including the required capstone course (PAF 509).

Required Core (24 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 503 Public Affairs (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)

Concentration (9 credit hours)
PAF 521 Managing Public Money (3)
PAF 522 Advanced Governmental Financial Management: Capital Budgeting and Infrastructure Financing (3)
PAF 570 Microeconomics of Public Policy II (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3)

Additional Curriculum Information
To meet the electives or research requirement, students choose one course from NLM 520, PAF 590 and PAF 584 for three credit hours. Students also choose any PAF 500-level course for three credit hours.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science degrees, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- GRE scores
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Students enrolling in Master of Public Administration core courses must demonstrate minimum competency in statistics and American government. Courses taken to fulfill the competency do not count toward the total credit hours required for the degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

Competency in statistics is met with a grade of " B " (scale is $4.00=$ " A ") or higher in one of the approved courses (PAF 301 or PAF 401 , POS 401, PSY 230, ECN 221, QBA 221, SWU 321, STP 226 or SOC 390) within the past two years or passing a diagnostic test approved by the MPA committee. Other courses taken within the last two years may be substituted upon approval of the Master of Public Administration director.

Competency in American government is a demonstrated understanding of American government institutions and processes. Students may be required to take an undergraduate class in American government (PAF 300, PAF 340, POS 110 or POS 310) with a grade of "B" or higher. The College-Level Examination Program can also be used to demonstrate competency in American government.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/content/graduate-programs
Downtown Phoenix
spa@asu.edu
602-496-0450

## Public Administration (Urban Management), MPA (PPPAFUMPA)

Online Degree Search Title: Public Administration (Urban Management), MPA
Campus: Downtown Phoenix

## Program Description:

The MPA is a transdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government. The Master of Public Administration program is accredited by the National Association of Schools of Public Affairs and Administration and is ranked highly nationally by U.S. News \& World Report.

The urban management concentration provides knowledge and skills for students seeking careers in local urban government management and enables students to develop the skills and techniques used by city and urban leaders and managers.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Service and Public Policy, BS
Public Service and Public Policy (American Indian Studies), BS
Public Service and Public Policy (Business), BS
Public Service and Public Policy (Criminology), BS
Public Service and Public Policy (Health Policy), BS
Public Service and Public Policy (Law and Policy), BS
Public Service and Public Policy (Nonprofit Leadership and Management), BS
Public Service and Public Policy (Parks and Recreation Management), BS
Public Service and Public Policy (Science and Technology Policy), BS
Public Service and Public Policy (Social Services Delivery), BS
Public Service and Public Policy (Sustainability), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

42 credit hours including the required capstone course (PAF 509 or PAF 579).
Required Core ( 27 credit hours)
Concentration (12 credit hours)
PAF 523 The City and County Manager (3)
PAF 525 Public Entrepreneurship (3)
PAF 530 Management of Urban Government (3)
PAF 534 Urban Services Infrastructure (3)
Elective (3 credit hours)
Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3) or
PAF 579 Public Policy Capstone (3)
Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related field, from a regionally accredited institution. Related fields include political science, planning, business, urban and metropolitan studies, as well as other social science disciplines, although the department may accept applicants with degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must also submit proof of English proficiency.

Additional requirements for international students are at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Fees increase after deadline: https://students.asu.edu/how-and-when-apply-graduate-admission (https://students.asu.edu/how-and-when-apply-graduate-admission).

Students should contact the School of Public Affairs at 602-496-0450 or email spa@asu.edu (mailto:spa@asu.edu) with any questions about the application process.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs

## Public Administration (Urbanism), PHD (PPPAURBPHD)

Online Degree Search Title: Public Administration and Policy (Urbanism), PhD
Campus: Downtown Phoenix

## Program Description:

The PhD in public administration and policy is a theoretically grounded research degree program designed to prepare students for an academic career. The program is also appropriate for individuals who want to conduct high-level research and policy development in public and nonprofit agencies, foundations and research institutes. It is designed for students who seek full-time study.

The goal is to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to make a positive and important contribution to the field through teaching and research.

The doctoral program in public administration and policy with an urbanism concentration permits students to draw upon the extensive resources in urban affairs at ASU. As a result, these students are poised for success as productive and active scholars, researchers and teachers upon graduation.

The concentration in urbanism is a mechanism for organizing varied perspectives on urbanism into a collective body of scholarship. The study of public administration is enriched by grounding it in a comprehensive understanding of the characteristics of urban context and the dynamic forces that shape them. The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

## Degree Requirements:

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)
PAF 601 Advanced Public Policy Seminar (3)
PAF 602 Advanced Research Design for Public Policy and Management (3)
PAF 603 Advanced Economics for Public Administration and Public Policy (3)
PAF 604 Intellectual Foundations of Public Administration (3)
PAF 605 Organization Theory and Behavior Seminar (3)
PAF 609 Advanced Quantitative Methods Seminar (3)
PAF 610 Advanced Qualitative Methods for Public Affairs Research (3)
PAF 620 Public Administration Professional Development Workshop (3)

Concentration (3 credit hours)
GCU 516 Principles of Urbanism (3)

Urbanism Electives (12 credit hours)

Research (3 credit hours)
PAF 792 Research (3)

Culminating Experience (12 credit hours)
PAF 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree, in a related field, from a regionally accredited institution.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- completed checklist
- written statement
- current resume or curriculum vitae
- three letters of recommendation
- samples of research reports or papers
- scores on the GRE (verbal, quantitative, analytical)
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must submit TOEFL scores to be considered for admission (institution code: 4007). This is true even for those who have a master's degree from a United States university. To be considered for admission to the doctoral program in public administration and policy, the applicant's minimum score on a traditional TOEFL test must be 600; the minimum score for a TOEFL iBT must be 100. Applicants with scores below the minimum will not be considered. More on the English proficiency requirement is available at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

The written statement of educational and career goals must include a discussion of research interests.

The letters of recommendation should be primarily from faculty members. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, ability to communicate effectively both orally and in writing, and commitment to completion of the program.

Only GRE test scores from within the past five years will be accepted, and analytical scores will be considered in admission decisions.

All applicants are expected to have completed graduate level statistics and research methods classes before admission. Applicants also are expected to have sufficient formal coursework in public administration to pursue doctoral study in the field. Admitted students are required to take PAF 501, PAF 502, PAF 503, PAF 504, PAF 508 (or their equivalents) and statistics prior to beginning the doctoral core courses. Applicants who are not pursuing an MPA should not take these courses until they consult with the doctoral program director.

Applicants are admitted for fall only. Admission is competitive; a limited number of well-qualified applicants will be admitted each year. Students should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/phd
UCENT 400
spa@asu.edu
602-496-0450

## Public Administration and Policy, PHD (PPPUBADPHD)

Online Degree Search Title: Public Administration and Policy, PhD
Campus: Downtown Phoenix

## Program Description:

The PhD in public administration and policy is a theoretically grounded research degree program designed to prepare students for an academic career. The degree is also appropriate for individuals who want to conduct high-level research and policy development in public and nonprofit agencies, foundations and research institutes. It is designed for students who seek full-time study.

This program is designed to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to make a positive and important contribution to the field through teaching and research. As a result, graduates are poised for success as productive and active scholars, researchers and teachers.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)
PAF 601 Advanced Public Policy Seminar (3)
PAF 602 Advanced Research Design for Public Policy and Management (3)

PAF 603 Advanced Economics of Public Administration and Public Policy (3)
PAF 604 Intellectual Foundations for Public Administration (3)
PAF 605 Organization Theory and Behavior Seminar (3)
PAF 609 Advanced Quantitative Methods Seminar (3)
PAF 610 Advanced Qualitative Methods for Public Affairs Research (3)
PAF 620 Public Administration Professional Development Workshop (3)

Electives (15 credit hours)

Research (3 credit hours)
PAF 792 Research (3)

Culminating Experience (12 credit hours)
PAF 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a master's degree from a regionally accredited institution.

ASU's School of Public Affairs expects doctoral student applicants to have demonstrated competency in the following subject areas at the time of application: organizational theory, public policy analysis, economics and quantitative analysis.

Applicants who have obtained a master's degree accredited by the Network of Schools of Public Policy, Affairs, and Administration in public affairs, public administration or public policy will not be required to complete prerequisites for admission to ASU's School of Public Affairs. In some cases, applicants from allied fields (e.i., political science, economics, sociology, business) will not be required to complete prerequisites, depending upon the extent to which previous training aligns with the competencies described above.

As is the case with all applicants, the doctoral program director or advisors may require or recommend completion of courses when there is a perceived deficit, especially if the deficit relates to graduate-level quantitative analysis and economics (PAF 502 and PAF 504, respectively, or equivalent courses). However, these requirements or recommendations, if any, are not a barrier to admission.

In cases where the doctoral student applicant has graduated from a public affairs, public administration or public policy program from another nation, or from a program not accredited by NASPAA, the applicant may be admitted and required to meet prerequisites after a review by the doctoral committee and doctoral program director.

Students applying with master's degrees from programs not closely related to public affairs (e.g., engineering, modern languages, chemistry) will be required to meet prerequisites equivalent to the courses required for either ASU's Master of Public Administration or Master of Public Policy: https://spa.asu.edu/content/graduate-programs (https://spa.asu.edu/content/graduate-programs).

Prior to enrolling in any of the school's core classes, all students are expected to be familiar with the foundational competency readings related to organizational theory, public policy analysis, economics, and quantitative analysis.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program and have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- completed checklist
- written statement
- current resume or curriculum vitae
- three letters of recommendation
- samples of research reports or papers
- GRE scores (verbal, quantitative, analytical)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must submit TOEFL scores to be considered for admission; use
institution code: 4007. This is true even for those who have a master's degree from a United States university. To be considered for admission to the doctoral program in public administration and policy, the minimum score on a traditional TOEFL test is 600 , the minimum score for a TOEFL iBT is 100. Applicants with scores below the minimum will not be considered. More on the English proficiency requirement is available at https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency).

The written statement of educational and career goals must include a discussion of research interests.

The letters of recommendation should be primarily from faculty members. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, their ability to communicate effectively, both orally and in writing, and their commitment to completion of the program.

Only GRE test scores from within the past five years will be accepted, and analytical scores will be considered in admissions decisions.

Students should see the program website for application deadlines and admission terms.

Admission is competitive; a limited number of well-qualified applicants will be admitted each year.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/phd
UCENT 400
spa@asu.edu
602-496-0450

## Public Policy, MPP (PPPUBPMPP)

## Online Degree Search Title: Public Policy, MPP

Campus: Downtown Phoenix

## Program Description:

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting. The master's degree program in public policy prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs. Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions, and about applying these skills to real-world issues --- especially to the needs of cities in the region. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students will be able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students will also be able to approach policy analysis with a variety of quantitative and qualitative methods and be prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
Criminology and Criminal Justice, MS
Sustainability Solutions, MSUS
Urban and Environmental Planning, MUEP

## Degree Requirements:

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (27 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)
PAF 570 Microeconomics of Public Policy II (3)
PAF 573 Applied Econometrics (3)

Electives (12 credit hours)

Culminating Experience (3 credit hours)
PAF 579 Public Policy Capstone (3)

Additional Curriculum Information
Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate coursework
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must also submit proof of English proficiency. Additional requirements for international students are available at https://students.asu.edu/graduate/international (https://students.asu.edu/graduate/international).

At least two of the three letters of recommendation must be from faculty or other academic staff who can evaluate applicant's academic performance.

The one to two page written statement should state the applicant's educational and career goals and will also be used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Fees increase after deadline

Applicants should contact the School of Public Affairs at (602) 496-0450 or email spa@asu.edu (mailto:spa@asu.edu) if there are questions about the application process.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/mpp
UCENT 400
spa@asu.edu
602-496-0450
Public Policy (Certificate), Certificate (PPPUPGRCT)
Online Degree Search Title: Public Policy (Graduate Certificate)
Campus: Downtown Phoenix

This certificate program in public policy prepares students for professional careers as policy analysts and leaders in public service who are involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program is designed to give students analytical techniques and conceptual frameworks for understanding policy issues as well as for identifying potential solutions and applying these skills to real-world issues.

## Degree Requirements:

15 credit hours.

Required Core (9 credit hours)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)

Electives (6 credit hours)

Additional Curriculum Information
The electives are chosen from a list of preapproved courses and will be selected with the faculty advisor. The faculty advisor will direct the selection of the electives to ensure that they focus on a common theme, and to see that the students' experiences in the courses align with the learning goals outlined for the certificate. For the electives, students select any two 3 -credit PAF courses that are 500 -level. Students should note that PAF 504 is a prerequisite for PAF 505.

Students are required to maintain at least a 3.00 GPA (scale is $4.00=$ "A") and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of career and educational goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students from related fields (such as public administration, political science, planning, urban and metropolitan studies, sociology, as well as other social science degrees) might be interested in this program. However, all eligible students will be considered.

Students should see the program website for application deadlines and admission terms.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/gradcertificates
UCENT 400
spa@asu.edu
602-496-0450
Public Policy (Environmental Policy), MPP (PPPUPEPMPP)
Online Degree Search Title: Public Policy (Environmental Policy), MPP
Campus: Downtown Phoenix

## Program Description:

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting. The master's degree
program in public policy prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs. Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions and about applying these skills to real-world issues --- especially to the needs of cities in the region. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students will be able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students also will be able to approach policy analysis with a variety of quantitative and qualitative methods and be prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The concentration in environmental policy prepares students at the master's degree level to apply sustainability principles and approaches to careers in a variety of fields that address environmental and, inevitably, human challenges. Students pursuing the concentration in environmental policy will acquire the knowledge base and skills to bring sustainability solutions to corporate, government and nonprofit sectors. The concentration program begins by building a foundation in environmental policy and theory through the core coursework, followed by electives that develop and deepen student expertise in specific areas and issues. The program is uniquely positioned to allow students to build careers in public policy analysis and administration, international development and nonprofit organizations.

## Degree Requirements:

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (27 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)
PAF 570 Microeconomics of Public Policy II (3)
PAF 573 Applied Econometrics (3)
PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration (6 credit hours)
PAF/SOS 545 Organizations, Sustainability and Public Policy (3)
PAF 546 Environmental Policy and Management (3)

Restricted Electives (6 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3) or
PAF 579 Public Policy Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution. Related fields include political science, sustainability, planning, business, urban and metropolitan studies as well as other social science disciplines, although the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007)
- three letters of recommendation
written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Additional requirements for international students are at https://students.asu.edu/graduate/international (https://students.asu.edu/graduate/international).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Fees increase after the deadline

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/mpp
UCENT 400
spa@asu.edu
602-496-0450

## Public Policy (Policy Informatics), MPP (PPPUPPIMPP)

Online Degree Search Title: Public Policy (Policy Informatics), MPP
Campus: Downtown Phoenix

## Program Description:

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting. The master's degree program in public policy prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs. Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions and about applying these skills to real-world issues --- especially to the needs of cities in the region. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety

The program trains people capable of leading by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students will be able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students will also be able to approach policy analysis with a variety of quantitative and qualitative methods and be prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale

The Master of Public Policy program with a concentration in policy informatics provides the knowledge and skills for students who seek careers that will require them to use informatics tools, models and simulations to help individuals and groups deliberate and evaluate policy decisions and explore new governance infrastructures. This concentration emphasizes theories and research concerning decision-making, complexity theory and visualization of quantitative and qualitative information, collective intelligence, behavioral economics and persuasive technologies.

The concentration combines mastery of advanced methods for processing information with domain expertise that will help humans understand complex social phenomena and achieve goals within public and governance applications. The program's design responds to the need for professionals with domain knowledge who can take a problem-driven, system-level, user-oriented perspective in developing and applying informatics systems to address societal and governance needs.

## Degree Requirements:

42 credit hours including the required capstone course (PAF 509/PAF 579).

Required Core (27 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)
PAF 573 Applied Econometrics (3)
PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration ( 9 credit hours)
PAF 591 Topic: Complexity in Public Policy and Management (3)
PAF 591 Topic: e-Public Administration (3)
PAF 591 Topic: Introduction to Policy Informatics (3)

Restricted Electives (3 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3) or
PAF 579 Public Policy Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in a related field, from a regionally accredited institution. Related fields include political science, planning, business, urban and metropolitan studies as well as other social science disciplines, although the department may accept applicants with undergraduate degrees from all educational backgrounds provided the minimum requirements for the degree program are met.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT scores
- three letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Additional requirements for international students are at https://students.asu.edu/graduate/international (https://students.asu.edu/graduate/international).

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages in length and describe the applicant's educational and career goals. This statement is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Application fees increase after deadline; students should see https://students.asu.edu/how-and-when-apply-graduate-admission (https://students.asu.edu/how-and-when-apply-graduate-admission).

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/mpp
UCENT 400
spa@asu.edu
602-496-0450

## Public Policy (Science and Technology Policy), MPP (PPPUPSTMPP)

Online Degree Search Title: Public Policy (Science and Technology Policy), MPP
Campus: Downtown Phoenix, Tempe

## Program Description:

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting. The master's degree program in public policy prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs. Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions and about applying these skills to real-world issues --- especially to the needs of cities in the region. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students will be able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students will also be able to approach policy analysis with a variety of quantitative and qualitative methods and be prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The Master of Public Policy program with a concentration in science and technology policy provides knowledge and skills for students seeking or advancing careers in areas where science and technology are guided by public policy or where science and technology play an integral role in the policy process. This concentration emphasizes theories and research concerning the role of science in decision-making, complexity theory, institutional design of knowledge production organizations, national innovation systems, innovation and industrial policy, technology transfer and research evaluation.

## Degree Requirements:

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (27 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)
PAF 570 Microeconomics of Public Policy II (3)
PAF 573 Applied Econometrics (3)
PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration (6 credit hours)
HSD 501 Science and Technology Policy (3)
PAF 591 Topic: Innovation Policy (3)

Restricted Electives (6 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3) or
PAF 579 Public Policy Capstone (3)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

Students enrolling in core Master of Public Policy courses must demonstrate minimum competency in statistics and American national government. Courses taken to fulfill competencies do not count toward the 42 credit hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- verbal, quantitative and analytical scores on the GRE (institution code: 4007)
- three letters of recommendation
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Additional requirements for international students are at https://graduate.asu.edu/international (https://graduate.asu.edu/international).

Applicants may also submit a resume or other documents.

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate applicant's academic performance.

The written statement should be one to two pages and describe the applicant's educational and career goals. The written statement is also used as a sample of the applicant's writing abilities.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/mpp
UCENT 400
spa@asu.edu
602-496-0450

## Public Policy (Urban Policy), MPP (PPPUPUPMPP)

Online Degree Search Title: Public Policy (Urban Policy), MPP
Campus: Downtown Phoenix

## Program Description:

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting. The master's degree program in public policy prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies and other related programs. Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions and about applying these skills to real-world issues --- especially to the needs of cities in the region. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety.

The program trains people to lead by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's degree program, students will be able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those of urban areas. Students will also be able to approach policy analysis with a variety of quantitative and qualitative methods and be prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The Master of Public Policy program with a concentration in urban policy provides knowledge and skills for students seeking or advancing careers in areas in which urban dynamics and local governance play an integral role in the policy process. This concentration's program emphasizes
theories and research concerning urban policy analysis and economics as well as urban management, urban city government, public budgeting and finance in an urban context.

## Degree Requirements:

42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core (27 credit hours)
PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 504 Microeconomics of Public Policy I (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)
PAF 570 Microeconomics of Public Policy II (3)
PAF 573 Applied Econometrics (3)
PAF 574 Diversity, Ethics and Leading Public Change (3)

Concentration (6 credit hours)
PAF 506 Public Budgeting and Finance (3)
PAF 544 Urban Policy (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
PAF 509 Public Affairs Capstone (3) or
PAF 579 Public Policy Capstone (3)

Additional Curriculum Information
Students choose two courses from ESS 510, PAF 534, PAF 571, PUP 525 or an internship as approved by the academic unit for the electives or research credits. Internship must be 584 course number.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in a related field. Related fields include social science disciplines, although the department may accept applicants with undergraduate degrees from all educational backgrounds provided they meet the minimum requirements for the degree program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:.

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- GRE scores
- written statement
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

At least two of the three letters of recommendation should be from faculty or other academic staff who can evaluate the applicant's academic performance.

The written statement should be one to two pages and describe the applicant's educational and career goals.

The following entry-level competencies are needed for admission to the program: an undergraduate social statistics course such as PAF 301 Applied Statistics and undergraduate coursework in American national government such as POS 310 American National Government. Students may also satisfy the American national government competency by receiving a passing exam score in American Government through the CollegeLevel Examination Program.

Students can complete deficiency classes prior to admission to the program or within their first semester after admission. Courses taken to satisfy entry-level competencies cannot be used toward the completion of the Master of Public Policy degree.

## Contact Information:

Public Service and Community Solutions, College of School of Public Affairs https://spa.asu.edu/mpp
UCENT 400
spa@asu.edu
602-496-0450

# Public Safety Leadership \& Administration (Emergency Medical Services-Mobile Integrated Healthcare), MPSLA (PPPSEMMPSL) 

Online Degree Search Title: Public Safety Leadership and Administration (EMS - Mobile Integrated Health Care), MPSLA Campus: Online

## Program Description:

The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to advance in their professions --- a practical understanding of public safety organization administration. Graduates of this program should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

The emergency medical services--mobile integrated health care concentration provides the foundations for leadership and administration of EMS organizations. This program takes a multi-professional approach to administration of EMS organizations and encompasses public policy and administration, organizational management and leadership, finance and data analysis. Students develop a platform of knowledge and skills to build a solid foundation for success within the field of EMS administration

## Degree Requirements:

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (15 credit hours)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)
PAF 571 Geographic Information Systems (GIS) and Analysis (3)

Concentration (9 credit hours)
CPP 540 Foundations of Emergency Medical Services (3)
CPP 550 Community Paramedicine: Mobile Integrated Health Care (3)
HCD 502 Health Care Systems and Design (3)

Electives or Research (6 credit hours)

Culminating Experience ( 3 credit hours)
CPP 593 Applied Project (3) or
PAF 593 Applied Project (3)

Additional Curriculum Information
Students choose two courses from a restricted list or any graduate-level CPP or PAF course, with program approval, for the electives or research credits.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited college or university.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program,
or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement, at least one page in length, should describe the applicant's educational and career goals and long-term professional development strategy.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-emergency)

## Contact Information:

Public Service and Community Solutions, College of
College of Public Service and Community Solutions
https://publicservice.asu.edu/content/public-safety-leadership-administration-mpsla
CHASE 3300
linda.garcia@asu.edu
602-496-1019

## Public Safety Leadership and Administration, MPSLA (PPPSLAMPSL)

Online Degree Search Title: Master of Public Safety Leadership and Administration, MPSLA
Campus: Online

## Program Description:

The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is increasingly important for career progression within public safety administration. Those with an advanced degree have an advantage as they seek to advance in their professions: a practical understanding of public safety organization administration. Graduates of this program should expect to find employment and advancement in all levels of government agencies as well as in private sector organizations.

## Degree Requirements:

30 credit hours including the required capstone course (PAF 509 or CRJ 505), or 33 credit hours including the required applied project (PAF 593 or CPP 593).

Required Core (15 credit hours)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)
PAF 571 Geographic Information Systems (GIS) and Analysis (3)

Electives (15 credit hours)

Culminating Experience (3 credit hours)
CPP 593 Applied Project (3) or
PAF 593 Applied Project (3)

Additional Curriculum Information
Students should see the academic unit for approved elective course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences, environmental sciences or geography, public health, or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
written statement
two letters of recommendation
proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A written statement, at least one-page in length, which describes the applicant's educational and career goals and long-term professional development strategy is required.

There are no required admission examinations.

Current employment in an organization in this field or at least two years of prior professional experience in this or a related field or a bachelor's degree in a related area are required.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-public-safety-leadership-and-administration)

## Contact Information:

Public Service and Community Solutions, College of
College of Public Service and Community Solutions
https://publicservice.asu.edu/content/public-safety-leadership-administration-mpsla
CHASE 3300
linda.garcia@asu.edu
602-496-1019

# Public Safety Leadership and Administration (Executive Fire Administration), MPSLA (PPPSEFMPSL) 

Online Degree Search Title: Public Safety Leadership and Administration (Executive Fire Administration), MPSLA
Campus: Online

## Program Description

The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to advance in their professions --- a practical understanding of public safety organization administration. Graduates of this program should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

The executive fire administration concentration program prepares graduates to handle the challenges facing chief officers. With coursework in strategic planning, public policy and administration, leadership and organizational management, data analysis, finance and technology, students develop a platform of knowledge and skills to build a solid foundation for success within the field of executive fire administration.

## Degree Requirements:

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (15 credit hours)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)

Concentration (9 credit hours)
CPP 530 Leadership for Innovation in Public Fire Services (3)
CPP 560 Emergency Services Operations Analysis and Planning (3)
PAF 560 Community Resilience (3)

Electives or Research (6 credit hours)

Culminating Experience (3 credit hours)
CPP 593 Applied Project (3) or
PAF 593 Applied Project (3)

Additional Curriculum Information
Students choose two courses from a restricted list or any graduate-level CPP or PAF course, with program approval, for the electives or research credits.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement, at least one page in length, should describe the applicant's educational and career goals and long-term professional development strategy.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-executive-fire)

## Contact Information:

Public Service and Community Solutions, College of
College of Public Service and Community Solutions
https://publicservice.asu.edu/content/public-safety-leadership-administration-mpsla
CHASE 3300
linda.garcia@asu.edu
602-496-1019

# Public Safety Leadership and Administration (Executive Police Administration), MPSLA (PPPSEPMPSL) 

Online Degree Search Title: Public Safety Leadership and Administration (Executive Police Administration), MPSLA
Campus: Online

## Program Description:

The MPSLA is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career
progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to advance in their professions: a practical understanding of public safety organization administration. Graduates of this program should expect to find employment and advancement in all levels of government agencies as well as in the private sector.

The executive police administration concentration provides law enforcement professionals with the highly specialized knowledge and practical skills required to rise to leadership positions in a 21 st-century law enforcement organization. This program enhances the leadership, management and administrative skills, knowledge and ability of present and future senior and mid-level managers and addresses the critical areas in the management of a contemporary law enforcement agency.

## Degree Requirements:

33 credit hours including the required applied project course (CPP 593 or PAF 593).

Required Core (15 credit hours)
PAF 505 Public Policy Analysis (3)
PAF 506 Public Budgeting and Finance (3)
PAF 507 Public Human Resource Management (3)
PAF 508 Organization Behavior (3)
PAF 571 Geographic Information Systems (GIS) and Analysis (3)

Concentration (12 credit hours)
CRJ 501 Seminar in Criminal Justice (3)
CRJ 510 Criminal Justice Planning and Program Evaluation (3)
CRJ 516 Seminar in Criminal Justice Organization and Management (3)
CRJ 518 Seminar on Race/Ethnicity, Crime and Justice (3)

Electives or Research (3 credit hours)

Culminating Experience (3 credit hours)
CPP 593 Applied Project (3) or
PAF 593 Applied Project (3)

Additional Curriculum Information
Students choose one course from a restricted list or any graduate-level CPP, CRJ or PAF course, with program approval, for the electives or research credit.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply if they have earned a bachelor's or master's degree in criminology or criminal justice, public administration or public service, sociology or social work, public safety or fire service management, parks and recreation management, applied sciences or another closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- written statement
- evidence of current employment in an organization in this field or at least two years prior professional experience in this or a related field OR a bachelor's degree in a related area
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The written statement, at least one page in length, should describe the applicant's educational and career goals and long-term professional development strategy.
program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/masters-public-safety-leadership-and-administration-executive-police)

## Contact Information:

Public Service and Community Solutions, College of
College of Public Service and Community Solutions
https://publicservice.asu.edu/content/public-safety-leadership-administration-mpsla
CHASE 3300
linda.garcia@asu.edu
602-496-1019

## Social Entrepreneurship and Community Development (certificate), Certificate (PPSECDGRCT)

Online Degree Search Title: Social Entrepreneurship and Community Development (Graduate Certificate)

Campus: Downtown Phoenix, Online

## Program Description:

The social entrepreneurship and community development graduate certificate, offered through the School of Community Resources and Development, provides a framework for harnessing entrepreneurial and enterprise opportunities, creating transformative responses to challenges prevalent in societies and communities. This transdisciplinary program combines social entrepreneurship with innovative community development, providing a basis for exploring capacity building and fostering positive change for organizations, corporations, societies and economies. The certificate complements well the Master of Nonprofit Studies program for students interested in pursuing their degree and social entrepreneurship certificate. The certificate is designed for students studying nonprofit leadership and management, social entrepreneurship, public policy and related fields across disciplines and includes a hands-on portfolio component.

## Degree Requirements:

15 credit hours..

Required Core ( 9 credit hours)
NLM 520 Financial and Resource Management (3)
NLM 562 Social Entrepreneurship (3)
NLM 572 Community and Social Innovation (3)

Electives (6 credit hours)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application.and application fee
- official transcripts
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-social-entrepreneurship-community-development?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Public Service and Community Solutions, College of School of Community Resources and Development https://scrd.asu.edu

## Social Work, MSW (PPSWDMSW)

Online Degree Search Title: Social Work - Standard Program, MSW
Campus: Downtown Phoenix, Tucson, Online

## Program Description:

The professional program leading to the MSW degree prepares social workers for advanced professional social work practice. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations, particularly in the Southwest. The Master of Social Work program is accredited by the Council on Social Work Education.

## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
Juris Doctor, JD
Public Administration - Downtown Phoenix, MPA

## Degree Requirements:

45 credit hours and a portfolio, or 45 credit hours and a thesis, or 45 credit hours and an applied project (SWG 593), or 45 credit hours including the required capstone course (SWG 621), or 60 credit hours and a portfolio (MSW/MPA dual degree), or 60 credit hours and a thesis (MSW/MPA dual degree), or 60 credit hours and an applied project (SWG 593), or 60 credit hours including the required capstone course (SWG 621) (MSW/MPA dual degree).

Students begin the standard Master of Social Work program in the fall and they begin in the fall or spring for the online Master of Social Work program. The program may be completed within four semesters (full time) or six semesters (part time). It is a 45 to 60 credit hour program, including coursework and field instruction. It is divided into a foundation year ( 30 credit hours of core curriculum) taken by all students and a concentration year (30 credit hours).

The foundation year includes basic courses in direct practice, organizational and community change, social policy, human behavior and research.

In the second year, students pursue a concentration in one of the following:

- advanced direct practice
- advanced generalist
- policy, administration and community practice

Students who pursue the advanced direct practice concentration also select one of the following three specializations: children, youth and families; heath, behavioral health; or public child welfare.

Students are required to complete two internships: a foundation field placement (480 hours) and a concentration field placement (480 hours) in a different setting.

Culminating Events: The culminating events available to on-campus students are SWG 599 Thesis, SWG 593 Applied Project, SWG 621 Capstone course and the master's portfolio. The culminating events available to online students are SWG 593 Applied Project, SWG 621 Capstone course and the master's degree portfolio. The academic unit will advise and monitor the online campus students to ensure they choose the appropriate culminating event.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a closely related field from a regionally accredited institution. All applicants are required to have completed a course in human biology and a course in statistics before enrolling in the graduate program or before registering for SWG 519.

The School of Social Work requires one of the following:

- undergraduate degree with 30 credit hours in liberal arts courses at the undergraduate or graduate level
- Bachelor of Social Work from a Council on Social Work Education-accredited school of social work
- liberal arts undergraduate degree

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- signed standards of ethical and professional behavior form
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's BSW field instructor or, if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

Professional resume should include both work and volunteer experience in social service organizations. In order to be considered for possible admission, applicants who do not have work experience in social service organizations are required to have a minimum of 240 hours of volunteer experience in the social services over a six-month period in the five years immediately preceding application.

Guidelines for writing the statement of educational and career goals can be found at https://socialwork.asu.edu/content/msw-applicationproceduresmaterials (https://socialwork.asu.edu/content/msw-application-proceduresmaterials).

Test scores from either the GRE or the Miller Analogies Test are required only if the applicant's junior and senior GPA was below a 3.20 (scale is 4.00 = "A").

Students should see the program website for application deadlines. Applicants admitted to the standard Master of Social Work degree program begin classes in the fall, and applicants admitted to the online Master of Social Work degree program begin classes in the fall or the spring.

## Part-time Program

Students are admitted each fall to a planned part-time program and for the Master of Social Work online degree program in the fall or spring. Students interested in this option must specifically apply to the part-time program and complete it in accordance with the plan developed to finish the degree in three years.

## Transfer Credit

Upon recommendation of the admission committee, the first year of graduate study (up to 30 graduate credit hours) earned at another school of social work that is accredited by the Council on Social Work Education may be transferred and applied toward the Master of Social Work degree program at ASU. Under these circumstances, the student must complete the second full year of graduate study (at least 30 credit hours of graduate work) at ASU. Transfer work must have been completed within three years of the semester and year of admission to the Master of Social Work degree program at ASU with a grade of "B" (3.00 on a 4.00 scale) or better.

Exemption and Waiver Examinations
The number of hours required to complete the standard Master of Social Work program ranges from 45 to 60 credit hours. In addition to transferring in credit, per the recommendation of the School of Social Work director and the Master of Social Work coordinator, admitted students may meet requirements of up to 15 hours of credit toward the degree by exempting up to 15 hours of foundation coursework without examination or successfully completing examinations in SWG 501, SWG 502 or SWG 519. Students should note note that, when applicable, the academic unit will provide a rationale for a student's exemption if the student is not from a Bachelor of Social Work program accredited by the Council on Social Work Education.

Concurrent degrees are currently unavailable for the online Master of Social Work degree program.

Students should contact the School of Social Work at (602) 496-0800 with any questions about the application process.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-social-work-socialwork)

Contact Information:
Public Service and Community Solutions, College of
School of Social Work
https://socialwork.asu.edu
UCENT 800

## Social Work, PHD (PPSW2PHD)

## Online Degree Search Title: Social Work, PhD

Campus: Downtown Phoenix

## Program Description:

The purpose of the PhD program in social work is to train future social work scholars. A scholar in social work engages in research, teaching, and service. Graduates are prepared to enter careers in applied research that enhance human well-being, particularly among oppressed and vulnerable populations, and to educate the next generation of social workers.

This doctoral program provides an individualized program of study that seeks to nurture and build students' curiosity and creativity in pursuit of their intellectual passions. It offers an inter-disciplinary curriculum that gives students a unique degree of intimacy and breadth of choice. Core doctoral courses are small and taught by School of Social Work faculty. Additionally, students select among a repertoire of courses from throughout Arizona State University to customize their course of study according to their substantive interests.

Supplementary to the coursework, this doctoral program offers students opportunities to be actively involved in both research and teaching. Students benefit from the close mentorship of the committed faculty and regular partnerships with our many internal research centers and offices. Students also receive valuable opportunities to develop a teaching portfolio, positioning them to succeed in academic careers.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Social Work Courses (12 credit hours)

Research Methods and Statistics (12 credit hours)

Directed Electives (9 credit hours)

Theory (3 credit hours)

Research (12 credit hours)
SWG 792 Research (12)

Culminating Experience (12 credit hours)
SWG 799 Dissertation (12)

Additional Curriculum Information
When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. The doctoral program requires students to take a minimum of 36 course credit hours beyond the MSW in addition to the required 24 credit hours of research and dissertation; 84 credit hours are required beyond the bachelor's degree. Students may need to take additional coursework to achieve the competency requirements set by the program or set by their graduate supervisory committees.

Students develop their plan of study in consultation with the graduate supervisory committee. Required social work courses must be $700-l e v e l$ and approved by the doctoral program committee. Students should see the academic unit for approved course lists and other requirements for research methods and statistics courses, electives, and theory coursework.

Once the 36 minimum course credit hours are completed, students are required to register for 12 hours of SWG 792 Research before the defense of the prospectus and 12 hours of SWG 799 Dissertation after the prospectus defense. Students must be registered for at least one credit hour during the semester (including summer) when they do their dissertation proposal defense. At least one of the dissertation hours must be taken in the semester the student expects to defend his or her dissertation.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in social work or a closely related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
curriculum vitae or resume
- GRE scores
personal statement
- three letters of reference
- required writing sample: social problem essay
- optional writing sample
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Admission to the doctoral program in the School of Social Work is based on the following criteria:

- an MSW from an accredited school of social work, preferably with two or more years of post-degree employment in human services
- experience in social work teaching or research and other scholarly activities
- experience with diverse populations
- goodness-of-fit with program goals
- good professional standing
- undergraduate and graduate GPA
- quality and extensiveness of social work experience
- research potential and creativity as demonstrated in requested essays and references
- scores of the GRE, with emphasis on verbal and analytic scores

Though an MSW is preferred, exceptions may be made for students with a BSW from an accredited school of social work and a master's degree in a related field and for students from countries without accreditation.

Guidelines for writing the statement can be found at https://socialwork.asu.edu/content/application-and-admission (https://socialwork.asu.edu/content/application-and-admission) under "PhD Application and Admission Information."

Applicants have the option of submitting a sample of their written work. Examples include a referred journal article, a class paper, and a professional report such as one might write in an agency setting. The writing sample should illustrate the applicant's ability to succeed in the doctoral program. Guidelines for writing the statement can be found at https://socialwork.asu.edu/content/application-and-admission (https://socialwork.asu.edu/content/application-and-admission).

All required admission materials are submitted directly to Graduate Admission Services at https://students.asu.edu/graduate (https://students.asu.edu/graduate). Students should contact the School of Social Work at 602-496-0800 with any questions about the application process.

Students should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Social Work
https://socialwork.asu.edu
UCENT 800
social.work@asu.edu
602-496-0800

## Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)

Online Degree Search Title: Social Work - Advanced Standing - Direct Practice, MSW
Campus: Downtown Phoenix, Tucson

## Program Description:

The professional program leading to the MSW program prepares social workers for advanced direct practice. The program is designed to prepare social workers who are capable of responding effectively to the needs of special populations in the Southwest. This program is located at the Downtown Phoenix campus and in Tucson. It is accredited by the Council on Social Work Education.

## Degree Requirements:

39 credit hours and a thesis, or 39 credit hours including the required capstone course (SWG 621).

Summer Session Coursework (9 credit hours)
SWG 516 Social Work Skills Seminar (3)
SWG 598 ST: Advanced Standing Bridge Seminar I (3)
SWG 598 ST: Advanced Standing Bridge Seminar II (3)

Specialization (27 credit hours)

Children, Youth and Families
SWG 606 Assessment of Mental Disorders (3)
SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)
SWG 617 Advanced Social Work Practice with Children and Adolescents (3)
SWG 619 Practice-Oriented Research (3)
SWG 641 Advanced Practicum: Direct Practice I (3)
SWG 642 Advanced Practicum: Direct Practice II (3)
Electives: Two electives must be from an approved list of electives. (9)

Health, Behavioral Health
SWG 603 Practice in Health/Behavioral Health Settings (3)
SWG 604 Advanced Social Work Practice in Health (3) or SWG 613 Advanced Social Work Practice in Behavioral Health (3)
SWG 606 Assessment of Mental Disorders (3)
SWG 619 Practice-Oriented Research (3)
SWG 641 Advanced Practicum: Direct Practice I (3)
SWG 642 Advanced Practicum: Direct Practice II (3)
Electives: Two electives must be from an approved list of electives. (9)

Public Child Welfare
SWG 606 Assessment of Mental Disorders (3)
SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)
SWG 609 Advanced Social Work Practice with Child Welfare Families (3)
SWG 619 Practice-Oriented Research (3)
SWG 633 Child Welfare Services (3)
SWG 641 Advanced Practicum: Direct Practice I (3)
SWG 642 Advanced Practicum: Direct Practice II (3)
Electives approved by Child Welfare Training Project staff (6)

Culminating Experience (3 credit hours)
SWG 621 Integrative Seminar (3)

Additional Curriculum Information
Students must start the program in summer (beginning with the first summer session) and complete three credit hours in each six-week summer session and three credit hours during the eight-week session, for a total of nine credit hours. The seven credit hours of summer courses are offered in Phoenix only. The summer practicum is available in Tucson. The remainder of the program is completed within two semesters (full time).

Students complete their practicum during the fall and spring semesters and select one of three specializations: children, youth and families health; health, behavioral health; or public child welfare. Students must complete all requirements of the specialization selected.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program with at least a 3.20 GPA (scale is $4.00=$ "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the MSW program. All applicants are required to have completed a course in human biology and a course in statistics before enrolling in the advanced standing program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's BSW field instructor, or if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

Guidelines for writing the statement can be found at https://socialwork.asu.edu/content/msw-application-proceduresmaterials (https://socialwork.asu.edu/content/msw-application-proceduresmaterials).

Applicants should see the program website for application deadlines. Applicants admitted to the advanced standing program begin classes in the summer.

For questions about the applications process, students should contact the School of Social Work at 602-496-0800

## Contact Information:

Public Service and Community Solutions, College of
School of Social Work
https://socialwork.asu.edu
UCENT 800
social.work@asu.edu
602-496-0800

## Social Work (Planning, Administration and Community Practice), MSW (PPCPDTMSW)

Online Degree Search Title: Social Work - Advanced Standing - (Planning, Administration and Community Practice), MSW
Campus: Downtown Phoenix, Tucson

## Program Description:

The professional program leading to the MSW degree prepares social workers for leadership and effective practice in macro-social work positions and to be capable of responding effectively to the needs of special populations in the Southwest.

The curriculum is designed to provide students with knowledge, skill and practice opportunities in the areas of program planning and evaluation, administration, policy analysis and advocacy, and community practice. The master's degree program is accredited by the Council on Social Work Education and is located at the Downtown Phoenix campus and in Tucson.

## Degree Requirements:

39 credit hours and a portfolio, or 39 credit hours and a thesis.

Summer Session Coursework (9 credit hours)
SWG 516 Social Work Skills Seminar (3)
SWG 598 ST: Advanced Standing Bridge Seminar I (3)
SWG 598 ST: Advanced Standing Bridge Seminar II (3)

Planning, Administration and Community Practice (21 credit hours)
SWG 623 Program Evaluation (3)
SWG 632 Policy Practice (3)
SWG 643 Advanced Practicum: Planning, Social Work Administration, and Community Practice I (3)
SWG 644 Advanced Practicum: Planning, Social Work Administration, and Community Practice II (3)
SWG 681 Social Work Administration (3)
SWG 682 Community Participation Strategies (3)
SWG 685 Program Planning in Social Services (3)

Electives (9 credit hours)

Culminating Experience (0 or 6 credit hours)
SWG 599 Thesis (6) or
portfolio (0)

Additional Curriculum Information
Students must start the program in summer (beginning with the first summer session) and complete three credit hours in each six-week summer session and three credit hours during the eight-week session, for a total of nine credit hours. The remainder of the program is completed within two semesters (full time).

Students continue with their practicum during the fall and spring semesters. The culminating experience is a portfolio or thesis.

Electives may be selected from offerings at the School of Social Work or courses offered through other departments with the approval of the MSW program coordinator. If the student chooses to complete a thesis for the culminating experience, only three credit hours of elective coursework is needed to reach the 39 credit hours required for the program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program, with at least a 3.20 GPA (scale is $4.00=$ "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the MSW program. All applicants are required to have completed a course in human biology and a course in statistics before enrollment in the advanced standing program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor or, if employed in a social work-related job for two or more years, from the applicant's supervisor.

Guidelines for writing the statement can be found at https://socialwork.asu.edu/content/msw-application-proceduresmaterials (https://socialwork.asu.edu/content/msw-application-proceduresmaterials).

Applicants should see the program website for application deadlines. Applicants admitted to the advanced standing program begin classes in the summer.

Students should contact the School of Social Work at 602-496-0800 with any questions about the application process.

## Contact Information:

Public Service and Community Solutions, College of
School of Social Work
https://socialwork.asu.edu
UCENT 800
social.work@asu.edu
602-496-0800

## Social Work - Advanced Standing - Advanced Generalist, MSW (PPASWMSW)

Online Degree Search Title: Social Work - Advanced Standing - Advanced Generalist, MSW
Campus: Downtown Phoenix

## Program Description:

The professional program leading to the MSW degree prepares social workers with the knowledge, skills and values to practice as advanced generalists. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations in the Southwest. The program is accredited by the Council on Social Work Education and is located at the Downtown Phoenix campus.

## Degree Requirements:

39 credit hours and an applied project.

Summer Session Coursework
SWG 598 ST: Advanced Standing Bridge Seminar (3)
SWG 598 ST: Advanced Standing Bridge Seminar (3)

Advanced Generalist Coursework
SWG 598 ST: Advanced Social Work Practice and Ethics (3)
SWG 610 Advanced Social Work Practice III (3)
SWG 614 Advanced Generalist SW Practice IV (3)
SWG 632 Policy Practice (3)
SWG 645 The Professional Experience III (3)
SWG 646 The Professional Experience IV (3)
SWG 692 Research (3)
Restricted electives from approved list (6)

Culminating Experience (3 credit hours)
SWG 693 Applied Project (3)

Additional Curriculum Information
Students must start the program in summer (beginning with the first summer session) and complete three credit hours in each summer session, for a total of six hours. The remainder of the program can be completed within two semesters (full time) or four semesters (part time).

Students also complete one internship and an applied project.

Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants must have a BSW from a Council on Social Work Education-accredited program with at least a 3.20 GPA (scale is $4.00=$ "A") in the last two years of work leading to the Bachelor of Social Work (junior and senior GPA). Applicants must have received their Bachelor of Social Work degree no more than six years prior to the date of admission to the MSW program. All applicants are required to have completed a course in human biology and a course in statistics prior to enrollment in the advanced standing program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's Bachelor of Social Work field instructor or, if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

Guidelines for writing the statement can be found at https://socialwork.asu.edu/content/msw-application-proceduresmaterials (https://socialwork.asu.edu/content/msw-application-proceduresmaterials).

Applicants should see the program website for application deadlines, and they should contact the School of Social Work at 602-496-0800 with any questions about the application process.

## Contact Information:

Public Service and Community Solutions, College of School of Social Work
https://socialwork.asu.edu
UCENT 800
social.work@asu.edu
602-496-0800
Sustainable Tourism, MAS (PPSUSTMAS)
Online Degree Search Title: Sustainable Tourism, MAS
Campus: Online

## Program Description:

Students in the MAS degree program in sustainable tourism receive a comprehensive education with a focus on the environmental, economic and social aspects of tourism, equipping them with the skills necessary to create pioneering sustainable development solutions to the challenges facing tourism today. This holistic curriculum focuses on integrating all three pillars of sustainability into existing tourism theories and concepts. The program prepares future sustainable tourism professionals to meet the increasing demand for people trained in sustainability practices and the application of those practices in tourism. The program is offered by the School of Community Resources and Development.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Tourism Development and Management, BS
Tourism Development and Management (Resort and Hotel Leadership), BS
Tourism Development and Management (Sustainable Tourism), BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

31 credit hours including the required applied project course (TDM 593).

Required Core ( 24 credit hours)
CRD 569 Advanced Tourism and Recreation Studies (3)
TDM 520 Sustainable Thinking in Tourism I (3)
TDM 521 Sustainable Thinking in Tourism II (3)
TDM 530 Sustainable Tourism Destination Planning and Management I (3)
TDM 531 Sustainable Tourism Destination Planning and Management II (3)
TDM 540 Sustainable Food Management in Tourism (3)
TDM 550 Managing the Sustainable Tourism Business (3)
TDM 570 Sustainable Tourism (3)

Electives (3 credit hours)

Culminating Experience (4 credit hours)
TDM 593 Applied Project (4)

Additional Curriculum Information
Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as tourism, hospitality, sustainability, environmental studies, business, geography or planning from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency

The online application requires three letters of recommendation; these should be from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics. Required are the names, email addresses, titles and organizations from whom the student will be requesting recommendations. The three recommenders will be emailed a link to complete an online recommendation form

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-advanced-study-sustainable-tourism?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu/
UCENT 550
scrd@asu.edu
602-496-0550

## Sustainable Tourism, MST (PPSUSTMST)

Online Degree Search Title: Sustainable Tourism, MST
Campus: Online

## Program Description:

Students in the MST degree program receive a comprehensive education with a focus on the environmental, economic and social aspects of tourism, equipping them with the skills necessary to create pioneering sustainable development solutions to the challenges facing tourism today. This holistic curriculum focuses on integrating all three pillars of sustainability into existing tourism theories and concepts. The program prepares future sustainable tourism professionals to meet the increasing demand for people trained in sustainability practices and the application of those practices in tourism.

## Degree Requirements:

31 credit hours including the required applied project course (TDM 593).

Required Core (24 credit hours)
CRD 569 Advanced Tourism and Recreation Studies (3)
TDM 520 Sustainable Thinking in Tourism I (3)
TDM 521 Sustainable Thinking in Tourism II (3)
TDM 530 Sustainable Tourism Destination Planning and Management I (3)
TDM 531 Sustainable Tourism Destination Planning and Management II (3)
TDM 540 Sustainable Food Management in Tourism (3)
TDM 550 Managing the Sustainable Tourism Business (3)
TDM 570 Sustainable Tourism (3)

Electives or Research (3 credit hours)

Culminating Experience (4 credit hours)
TDM 593 Applied Project (4)

Additional Curriculum Information
One elective or research course is selected from an approved list for three credit hours. Students should contact the academic unit for a list of possible courses. Other courses may be used with approval from the academic unit.

Students complete an applied project that may consist of a sustainable tourism development plan for a community, a thorough sustainability audit of a tourism business, or other project as approved by the faculty advisor.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in a related field such as tourism, recreation, hospitality, business, geography or planning from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- professional statement
- resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation should be from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics. The names, email addresses, titles and organizations from whom the student will be requesting recommendations is also required.

A written professional statement describing the applicant's purpose in pursuing the master's degree will be submitted online. In addition, a current resume is required outlining previous professional activities.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Sustainable Tourism (certificate), Certificate (PPSTGRCT)

Online Degree Search Title: Sustainable Tourism (Graduate Certificate)
Campus: Online

## Program Description:

The graduate certificate in sustainable tourism, offered by the School of Community Resources and Development, is intended for professionals who work in or desire to work in the tourism industry. The program addresses the unique character of sustainability and sustainable practices in tourism development and management. Students interested in sustainable tourism management explore the practice of management and development of sustainable tourism businesses and destinations.

Students who complete the certificate will have knowledge in topics such as the integration of economic, social and environmental aspects of sustainability as it relates to tourism; conducting sustainability audits for destinations and businesses; community impacts of tourism; and sustainable destination and business planning and management.

The program allows graduates enhanced recognition and credentials in an area experiencing a great deal of interest and growth. Students in the program will be able to further their careers by obtaining advanced education specific to sustainability practices in tourism.

## Degree Requirements:

18 credit hours.

Required Core ( 15 credit hours)
TDM 520 Sustainable Thinking in Tourism I (3)
TDM 521 Sustainable Thinking in Tourism II (3)
TDM 530 Sustainable Tourism Destination Planning and Management I (3)
TDM 531 Sustainable Tourism Destination Planning and Management II (3)
TDM 570 Sustainable Tourism (3)

Electives, choose one (3 credit hours)
TDM 540 Sustainable Food Management in Tourism (3)
TDM 550 Managing the Sustainable Tourism Business (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.
or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- two letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. Students should visit https://students.asu.edu/graduate/proficiency (https://students.asu.edu/graduate/proficiency) for more information.

Letters of recommendation must be from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics, and the letters are to be submitted through the online application

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-sustainable-tourism?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu/
UCENT 550
scrd@asu.edu
602-496-1056
Trauma and Bereavement (certificate), Certificate (HSCTBGRCT)
Online Degree Search Title: Trauma and Bereavement (Graduate Certificate)
Campus: Downtown Phoenix

## Program Description:

There is a growing need in society for health care workers and clinicians to be better prepared to help clients and patients experiencing trauma. The School of Social Work graduate certificate program in trauma and bereavement prepares individuals to work in the field of death and dying as well as with trauma and bereavement in clinical, organizational and administrative settings. The program provides students with enhanced knowledge about grief responses and the effects of trauma. and students have opportunities to research an often under-explored topic while helping transform the sociopolitical management of grief, traumatic losses and end-of-life issues in contemporary society.

In addition to tuition and class fees, there is a \$500 one-time program fee

## Degree Requirements:

15 credit hours.

Required Core (12 credit hours)
SWG 577 Traumatic Death: Theory, Counseling and Practice (3)
SWG 612 Social Work with Groups (3)
SWG 626 Crisis Intervention and Short-Term Treatment (3)

Students select one of the following as part of the core
SWG 541 Field Practicum I (3)
SWG 542 Field Practicum II (3)
SWG 641 Advanced Practicum: Direct Practice I (3)
SWG 642 Advanced Practicum: Direct Practice II (3)
SWG 645 The Professional Experience III (3)
SWG 646 The Professional Experience IV (3)

Electives (3 credit hours)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the College of Public Service and Community Solutions.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution in fields such as psychology, sociology and social work.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume
- School of Social Work certificate application
- three references
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement, resume, School of Social Work certificate application (available on the department website) and three references (forms available on the department webpage) should be submitted to the School of Social Work.

The personal statement must be two to four pages, doubled-spaced; additional guidelines are listed on the application.

No more than two certificate courses may be completed before applying for admission to the certificate program.

Students should see the program website for application deadlines.

## Contact Information:

Public Service and Community Solutions, College of
School of Social Work
https://socialwork.asu.edu
UCENT 800
social.work@asu.edu
602-496-0800

## Sustainability, School of

## Complex Adaptive Systems Science (certificate), Certificate (SUCASGRCT)

Online Degree Search Title: Complex Adaptive Systems Science (Graduate Certificate)
Campus: Downtown Phoenix, Polytechnic, Tempe

## Program Description:

Complex adaptive systems science is the study of interactive and dynamic systems that change over time, producing their own emergent properties. The complex adaptive systems science graduate certificate can be pursued along with any doctoral program at Arizona State University. Students in the certificate program pursue their chosen field of study while addressing complex global challenges.

The program aims to train the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive systems perspective to give science better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Students pursuing the certificate will need to have a complex adaptive systems science faculty member on their supervisory committee.

## Degree Requirements:

15 credit hours.

Required Core (12 credit hours)

Additional Curriculum Information
Students should contact the academic unit about appropriate coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they are either enrolled in or accepted into an ASU doctoral program and they must be in good standing within the program.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admissions application and application fee
- official transcripts
- statement of intent
- letter of support from an ASU faculty member (for existing ASU students) or other faculty member (for incoming students)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/complex-adaptive-systems-science-graduate-certificate/
WGHL 108
SOSGradSunDevil@asu.edu
480-727-6963

## Environmental and Sustainability Economics (Certificate), Certificate (SUESECGRCT)

Online Degree Search Title: Environmental and Sustainability Economics (Graduate Certificate)
Campus: Downtown Phoenix, Polytechnic, Tempe

## Program Description:

The graduate certificate in environmental and sustainability economics provides training in the economic theory and methodological tools of environmental and resource economics. ERE provides an approach to evaluate the consequences, social benefits and costs of changes to markets and environmental policies. The target audience for this certificate are master's and doctoral degree students in fields with a sustainability, environmental science or policy focus, including sustainability, public affairs, biology, environmental social science, applied mathematics and agribusiness --- where training in ERE may be complementary to research interests or career development

## Degree Requirements:

Required Core (5 credit hours)

SOS 512 Environmental and Resource Economics (3)

SOS 529 Research Seminar in Environmental and Sustainability Economics (2)

Electives (12 credit hours)

Additional Curriculum Information

Students choose one elective course in each of the following categories: microeconomic theory, statistical and econometric modeling, environmental and resource economics, and modeling and empirical methods.

Students should see the academic unit for a list of approved electives

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Prerequisite coursework: None; however, it is strongly recommended that students have at least one semester of calculus (or equivalent such as MAT 251 Calculus for Life Sciences, MAT 265 Calculus for Engineers or SOS 211 Calculus and Probability).

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees/graduate/
WGHL 108
SOSGradSunDevil@asu.edu
480-727-6963

## Global Sustainability Leadership (certificate), Certificate (SUSUSGGRCT)

Online Degree Search Title: Global Sustainability Leadership (Graduate Certificate)

Campus: Online

## Program Description:

The graduate certificate program in global sustainability leadership provides training to U.S. Army and Army National Guard leaders (e.g., fieldgrade officers, senior civilians and state environmental program managers) to enhance their ability to instill and manage sustainable practices throughout the Army and Army National Guard. Courses emphasize providing leadership across lines of operation and areas of responsibility. The program emphasizes the application of sustainability tools, techniques and concepts to issues on bases and installations in the U.S., Europe and Asia, and to bases in Iraq, Afghanistan or other areas to which the Army may be deployed.

## Degree Requirements:

15 credit hours.

Required Courses (15 credit hours)

Additional Curriculum Information
Students are expected to earn a "B" ( 3.00 on a 4.00 scale) or better in each course. It is also expected that they complete the program in three years, but they can finish the program in one or two years depending on the number of courses they take each semester.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. An applicant must be a solider or civilian in the Army or Army National Guard.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

- graduate admission application and application fee
- official transcripts
- statement of intent (details noted in the application)
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Optional: Submission of a resume or curriculum vitae with the application materials.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/certificates/graduate-certificate-sustainability-leadership?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/
WGHL 108
schoolofsustainability@asu.edu
480-727-6963

## Global Sustainability Science, MS (SUGSUSSMS)

Online Degree Search Title: Global Sustainability Science, MS
Campus: Tempe

## Program Description:

The MS in global sustainability science is a two-year collaborative degree program offered jointly by Arizona State University and Leuphana University of Lüneburg, Germany. Students who participate in the program earn an MS in global sustainability science from ASU and an MSc in global sustainability science from Leuphana University. Students from both universities collaborate throughout the program and spend one semester together at Leuphana as well as one semester together at ASU. The degree culminates with a capstone in the form of a publishable scientific journal article. Students have the opportunity to engage with sustainability problems and solutions in an international setting. The program focuses on normative and transformative aspects of sustainability, linking research with practical implementation of sustainability solutions. Projectbased learning offers students opportunities to conduct their research on real-world sustainability solutions in collaboration with stakeholders and professionals. In addition, the program facilitates intercultural collaboration, which prepares graduates for working in internationally operating institutions and organizations.

## Degree Requirements:

41 credit hours including Capstone Course SOS 596.

Required Core (17 credit hours)

SOS 510 Perspectives on Sustainability (3)

SOS 511 Advanced Sustainability Problem Solving (3)

SOS 525 Social-Ecological-Technical Systems (SETS): Domains and Interfaces (3)

SOS 557 Global Sustainability Research Preparation (1)

SOS 558 Global Sustainability Research Project (3)

SOS 559 Global Sustainability Science Perspectives Seminar (1)

SOS 581 Synthesis for Sustainability Research (3)

Methods Elective (3 credit hours)

Open Electives (15 credit hours)

Culminating Experience (6 credit hours)
SOS 596 Capstone: Scientific Paper (6)

Additional Curriculum Information
Students should see the academic unit for elective coursework approval.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- GRE scores
- three letters of recommendation
- letter of intent or written statement
- professional resume
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants not meeting the minimum GPA requirement may still be considered, although the School of Sustainability will require a GPA petition

References should be from educators (preferred) or professionals familiar with the applicant's experience and capability for graduate work. It is highly recommended that the recommendations are academic in nature and address the applicant's experience and potential for success in a graduate program; however, professional recommendations also are accepted. If possible, at least one recommendation should be academic in nature.

All applicants must upload a statement of intent when completing the online application. In no more than 600 words, applicants must explain the goals they intend to achieve through their program of study at the School of Sustainability. Applicants should describe how their background will contribute to their success in the program and how completion of the degree program will support their long-term career goals. Finally, applicants should elaborate on key research questions they wish to address or problems they wish to solve as part of their program of study and identify potential faculty advisors

GRE is required but may be waived for students already enrolled at Leuphana University of Luneburg.

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/admissions/graduate-admissions/
WGHL 108
SOSGradSunDevil@asu.edu
480-727-6963
Sustainability, MA (SUSUSTMA)

Online Degree Search Title: Sustainability, MA
Campus: Tempe

## Program Description:

The MA in sustainability is a research-oriented degree that culminates with research writing (either a thesis or capstone in the form of a publishable scientific paper).

The program focuses on knowledge generation and designing new ways to address sustainability challenges and prepares students for designing and conducting transdisciplinary research. Although the graduate degree programs emphasize the integration of a broad range of expertise in student training, this master's degree program is best suited to students inclined toward social sciences, humanities, planning or related fields and who are interested in a career in research or academia.

Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice, and they develop the academic and technical skills as well as the ethical insights that will help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels. Students can also apply to participate in the Global Development Research Program, which works in conjunction with this program: https://sustainability.asu.edu/global-development-research/.

All sustainability graduate students will possess:

- an understanding of the need for a transdisciplinary approach to solving sustainability challenges
- the ability to communicate their work to professionals in other disciplines and to policymakers and the general public
- the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems
- the critical-thinking skills necessary for approaching sustainability challenges from a systems perspective
- the skills needed to work effectively in interdisciplinary teams
- the technical skills required to formulate and solve problems at the appropriate scale


## Degree Requirements:

37 credit hours and a thesis, or 37 credit hours including a capstone course (SOS 596).

Required Core (16 credit hours)
SOS 510 Perspectives on Sustainability (3)
SOS 520 Research Design and Methods for Sustainability (3)
SOS 525 Social-Ecological-Technical Systems: Domains and Interfaces (3)
SOS 581 Synthesis for Sustainability Research (3)
SOS 589 Community of Graduate Student Scholars (1)

Electives (15 credit hours)
methods (3)
normative dimensions of sustainability (3)
general electives (9)

Culminating Experience (6 credit hours)
SOS 596 Capstone: Scientific Paper (6) or
SOS 599 Thesis (6)

Additional Curriculum Information
The taught-course element of the program will be evaluated through course-specific examinations, research papers or applied projects and will be considered to have been successfully completed if the student obtains a GPA of 3.25 or higher. Graduate College policies and procedures for fulfillment of degree requirements must also be met.

SOS 589 is a one credit course taken over four semesters, for four credit hours total.

Approved general electives prefixes include, but are not limited to, the following:
SOS, ASB, ART, PAF, SGS, POS, SOC, PSB, PGS, PHI, COM, CPP, CRD, ESS, PGV, NTR, MCO, GCU, SCM, HPS, HST, JHR, JMC, JUS, LAW, LES, PUP, SBS, RTM, STS, TDM, URB

## Admission Requirements:

Applicants must fulfill the requirements for both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of intent should not exceed 600 words and should:

- Describe how the applicant's background will contribute to success in the program.
- Describe how completion of the degree will support long-term career goals.
- Elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study.
- Identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/graduate-degrees-programs/master-arts/
WGHL 108
SOSGradSunDevil@asu.edu
480-727-6963

## Sustainability, MS (SUSUSTMS)

Online Degree Search Title: Sustainability, MS
Campus: Tempe

## Program Description:

The MS in sustainability is a research-oriented degree program that culminates with research writing, either a thesis or capstone in the form of a publishable scientific paper. The program focuses on knowledge generation and designing new ways to address sustainability challenges, and it prepares students for designing and conducting transdisciplinary research.

Although the graduate degree programs emphasize the integration of a broad range of expertise in student training, this master's degree program is best suited to students inclined toward natural sciences, economics, engineering or related fields, and who are interested in a career in research or academia. Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice. They develop the academic and technical skills as well as the ethical insights that will help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels. Students can also apply to participate in the Global Development Research Program, which works in conjunction with this program: https://sustainability.asu.edu/global-development-research/.

All sustainability graduate students will possess:

- an understanding of the need for a transdisciplinary approach to solving sustainability challenges
- the ability to communicate their work to professionals in other disciplines and to policymakers and the general public
- the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems
- the critical-thinking skills to approach sustainability challenges from a systems perspective
- the skills needed to work effectively in transdisciplinary teams


## Degree Requirements:

37 credit hours and a thesis, or 37 credit hours including a capstone course (SOS 596).

Required Core (16 credit hours)
SOS 510 Perspectives on Sustainability (3)
SOS 520 Research Design and Methods for Sustainability (3)

SOS 525 Social-Ecological-Technical Systems (SETS): Domains and Interfaces (3)
SOS 581 Synthesis for Sustainability Research (3)
SOS 589 Community of Graduate Student Scholars (1)

Electives (15 credit hours)
methods (3)
normative dimensions of sustainability (3)
general electives (9)

Culminating Experience (6 credit hours)
SOS 596 Capstone: Scientific Paper (6) or
SOS 599 Thesis (6)

Additional Curriculum Information
SOS 589 is taken over four semesters, for four credit hours total.

The taught-course element of the program will be evaluated through course-specific examinations, research papers or applied projects and will be considered to have been successfully completed if the student obtains a GPA of 3.25 (scale is $4.00=$ "A") or higher. Graduate College policies and procedures for fulfillment of degree requirements must also be met.

Approved general electives prefixes include, but are not limited to, the following: SOS, ASB, ART, PAF, SGS, POS, SOC, PSB, PGS, PHI, COM, CPP, CRD, ESS, PGV, NTR, MCO, GCU, SCM, HPS, HST, JHR, JMC, JUS, LAW, LES, PUP, SBS, RTM, STS, TDM, and URB.

## Admission Requirements:

Applicants must fulfill the requirements for both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program and describe how completion of the degree will support long-term career goals. The statement should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/graduate-degrees-programs/master-science/
WGHL 108
SOSGradSunDevil@asu.edu
480-727-6963

## Sustainability, PHD (SUSUSTPHD)

Online Degree Search Title: Sustainability, PhD
Campus: Tempe

## Program Description:

The PhD in sustainability prepares students to become scientists and leaders in research and to investigate the urgent sustainability challenges of this century. Graduates will possess an advanced understanding of the dynamics of coupled socioecological systems and be able to lead others in research providing adaptive solutions to specific sustainability challenges.

The flexible, transdisciplinary nature of the program allows students to focus on problems of interest to them, drawing upon relevant knowledge from a variety of disciplines. Students can also apply to participate in the Global Development Research Program, which works in conjunction with this program.

All sustainability graduate students will possess:

- an understanding of the need for a transdisciplinary approach to solving sustainability challenges
- the ability to communicate their work to professionals in other disciplines and to policymakers and the general public
- the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems
the critical-thinking skills to approach sustainability challenges from a systems perspective
the skills needed to work effectively in transdisciplinary teams
- the technical skills to formulate and solve problems at the appropriate scale

In addition to the common learning outcomes, students will be able to conduct research on particular sustainability challenges using standard skills, including the capacity to identify problems; formulate and test hypotheses; use statistical, econometric and geographical information-system techniques to construct and analyze datasets; and build and apply models. They will be able to lead others in the analysis and design of the built environment and institutions' policies, regulations and technologies to support sustainable development, and they will be able to lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air and urban management at the local and global levels. Students will be able to understand the concepts and methods of a number of critical disciplines bearing on the sustainability of systems at different spatial and temporal scales.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
SOS 510 Perspectives on Sustainability (3)
SOS 520 Research Design (3)

Foundational Electives (15 credit hours)

Solutions Workshop Electives (6 credit hours)

Open Electives (33 credit hours)

Research (12 credit hours)
SOS 792 Research (12)

Culminating Experience (12 credit hours)
SOS 799 Dissertation (12)

Additional Curriculum Information
For electives, students should see the academic unit for the approved course list. Other coursework may be used with the approval of the academic unit. Only six credit hours of 400 level course work can be included in the plan of study.

When approved by the student's supervisory committee and the Graduate College, this program allows up to 30 credit hours from a previously awarded master's degree to be used for this program. If students do not have a previously awarded master's degree, the remaining coursework will be made up of appropriate electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. The school encourages applicants with diverse educational backgrounds and experiences that are relevant to the school's core objectives

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program; describe how completion of the degree will support long-term career goals; elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study; and, identify potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/doctor-philosophy/
WGHL 108
SOSGradSunDevil@asu.edu
480-727-6963

# Sustainability (Complex Adaptive Systems Science), PHD (SUSUSTCPHD) 

Online Degree Search Title: Sustainability (Complex Adaptive Systems Science), PhD
Campus: Tempe

## Program Description:

Complex adaptive systems science is the study of interactive and dynamic systems that change over time. The complex adaptive systems science concentration under the PhD in sustainability trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive systems science perspective, to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

By broadly embedding an understanding of complex adaptive system-relevant approaches into the practice of normal science, students will gain the ability to transform science. The program promotes the development and testing of more robust theories and sophisticated methods in a wider array of research settings. This is needed to develop a deeper understanding of the nature and dynamics of complex adaptive systems, grounded in concrete examples and applications.

The doctoral program in sustainability with a concentration in complex adaptive systems science is offered for students who have completed a bachelor's or master's degree program. The program prepares students to become scientists and leaders in research and to investigate the urgent sustainability challenges of this century. Graduates will possess:

- an understanding of the need for a transdisciplinary approach to solving sustainability challenges
- the ability to communicate their work to professionals in other disciplines, policymakers and the general public
- the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems
- the critical-thinking skills to approach sustainability challenges from a systems perspective
- the skills needed to work effectively in interdisciplinary teams
- the technical skills to formulate and solve problems at the appropriate scale

In addition to the common learning outcomes, students will be able to conduct research on particular sustainability challenges using standard skills, including the capacity to identify problems; formulate and test hypotheses; use statistical, econometric and geographical-information-system techniques to construct and analyze datasets; and build and apply models. They will be prepared to lead others in the analysis and design of the built environment and institutions' policies, regulations and technologies to support sustainable development and lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air and urban management at the local and global levels. Students will understand the concepts and methods of a number of critical disciplines bearing on the sustainability of systems at different spatial
and temporal scales.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Core (6 credit hours)
SOS 510 Perspectives on Sustainability (3)
SOS 520 Research Design and Methods for Sustainability (3)

Foundational Electives (15 credit hours)

Solutions Workshop Electives (6 credit hours)

Open Electives (21 credit hours)

Concentration (12 credit hours)
CASS Fundamentals (3)
Mathematics of CASS (3)
Modeling CASS (3)
Application of CASS Approaches (3)

Research (12 credit hours)
SOS 792 Research (12)

Culminating Experience (12 credit hours)
SOS 799 Dissertation (12)

Additional Curriculum Information
For open electives and concentration coursework, students should see the academic unit for the approved course list. Please note that only six credit hours of 400 level course work can be included on the plan of study.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the remaining coursework will be made up of appropriate electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. The school encourages applicants with diverse educational backgrounds and experiences that are relevant to the school's core objectives.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The statement of intent should not exceed 600 words and should describe how the applicant's background will contribute to success in the program, describe how completion of the degree will support the applicant's long-term career goals and explain why the applicant is applying to the School of Sustainability and, more specifically, the doctoral program with a complex adaptive systems science concentration. The statement of intent should elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study, and it should identify
potential faculty advisors.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-and-programs/graduate-degrees-programs/complex-adaptive-systems-science-concentration-phdsustainability/
WGHL 108
SOSGradSunDevil@asu.edu
480-727-6963

## Sustainability Leadership, EMSL (SUEMSLEMSL)

Online Degree Search Title: Sustainability Leadership - Executive, EMSL
Campus: Tempe

## Program Description:

The Executive Master of Sustainability Leadership program prepares experienced professionals to significantly advance sustainability practices in the workplace. The EMSL program will equip graduates to lead institutional and cultural change for their companies, organizations, communities and their own careers.

The accelerated curriculum is designed specifically for the working professional and can be completed in one year through a combination of unique in-person experiences (including an international immersive), online course content and a capstone project. The degree program, which includes focus areas in leadership, strategy, communications and global context, is uniquely powerful because it is backed by the extensive knowledge base of the Julie Ann Wrigley Global Institute of Sustainability at ASU and the institute's more than 400 sustainability scientists and scholars and a host of world-class sustainability and leadership professionals.

## Degree Requirements:

30 credit hours including the required capstone courses (EMS 515 and EMS 516).

Required Core (27 credit hours)
EMS 501 Sustainability Leadership Workshop I (1)
EMS 502 Global Context I (2)
EMS 503 Strategic Sustainability I (2)
EMS 504 Communications and Sustainability I (2)
EMS 505 Sustainability Leadership I (2)
EMS 506 Global Context II (2)
EMS 507 Strategic Sustainability II (2)
EMS 508 International Immersive (2)
EMS 509 Communications and Sustainability II (2)
EMS 510 Sustainability Leadership II (2)
EMS 511 Global Context III (2)
EMS 512 Strategic Sustainability III (2)
EMS 513 Communications and Sustainability III (2)
EMS 514 Sustainability Leadership III (2)

Culminating Experience (3 credit hours)
EMS 515 Capstone I (2)
EMS 516 Capstone II - Sustainability Leadership Workshop II (1)

Additional Curriculum Information
The curriculum for this program is focused around four principal themes: global context, strategy, communications and leadership. Students attend three in-person sessions --- two sessions at the ASU campus and one abroad (EMS 508).

## Admission Requirements:

Applicants must fulfill the requirements for both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- resume or curriculum vitae
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants to the program should be interested in and passionate about advancing sustainability in their organizations, either directly or indirectly. Successful candidates will be expected to draw from and apply solutions to actual professional challenges and opportunities. Applicants should contact the program for more details if they are currently not employed.

Because this is an executive master's degree for experienced professionals, work and life experience may be taken into account in lieu of deficiencies from past bachelor's degree program experience. Applicants with GPAs less than 3.00 may be admitted on a provisional status. Applicants should contact the program for more details if their GPA falls below the 3.00 requirement.

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees/executive-master-sustainability-leadership/
WGHL 108
EMSL@asu.edu
480-727-6963

## Sustainability Leadership, MSL (SUSUSLMSL)

Online Degree Search Title: Sustainability Leadership, MSL
Campus: Online

## Program Description:

The MSL program prepares professionals to advance social and environmental responsibility. The program teaches organizational leadership skills through the lens of sustainability. The Master of Sustainability Leadership program equips graduates to drive high-impact global sustainability results for their companies, organizations and communities.

The curriculum includes four synergistic thematic areas:

- communications and change management
- global context of sustainability
- leadership for sustainability
- sustainability and strategy

The program also includes opportunities for students to include electives that are related to their specific area of interest. Elective courses are offered that focus on the military, cities, climate, food systems and other thematic areas. Students may also choose to go on an approved study abroad trip to fulfill elective credits.

A sustainable future requires leaders who are able to integrate sustainability into existing institutions and new enterprises. A particular knowledge base and skill set is required to drive this kind of transformational change. Professionals with tools and skills learned in sustainability leadership, as opposed to other degree programs, are in a prime position to establish sustainability practices in any type of organization. Because sustainability is a relatively new field of study, professionals who are interested in this emerging field have often migrated into sustainability roles without formal training and education in sustainability practice.

This program is designed and delivered by people who have worked in and with companies making sustainability transitions and continue to be on the cutting edge of global sustainability leadership.

## Degree Requirements:

35 credit hours including the required Capstone Course Course (EMS 588).

EMS 502 Global Context I (2)
EMS 503 Strategic Sustainability I (2)
EMS 504 Communications and Sustainability I (2)
EMS 505 Sustainability Leadership I (2)
EMS 506 Global Context II (2)
EMS 507 Strategic Sustainability II (2)
EMS 509 Communications and Sustainability II (2)
EMS 510 Sustainability Leadership II (2)
EMS 511 Global Context III (2)
EMS 512 Strategic Sustainability III (2)
EMS 513 Communications and Sustainability III (2)
EMS 514 Sustainability Leadership III (2)
EMS 586 Introduction to MSL Capstone (1)
EMS 587 MSL Capstone Preparation (1)
SOS 501 Foundations of Sustainability (1)

Focus Area Electives (6 credit hours)

Culminating Experience (2 credit hours)
EMS 588 MSL Capstone (2)

## Admission Requirements:

Applicants must fulfill the requirements for both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution. They should also have a minimum of three years of professional or organizational experience or the equivalent.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program. Applicants who have a GPA less than 3.00 may submit a statement describing contributing circumstances and reference personal experience to be considered for admission.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Because sustainability explores ways to improve human well-being globally without threatening earth's life supporting systems and because this program is designed to prepare decision-makers for the challenges ahead, for the statement of intent, applicants must explain in their own words (in no more than 300 words per question) why sustainability is important to them, and they must describe a time in which they demonstrated leadership to enact positive change. Applicants must explain how they plan to apply the lessons they learn from this degree in the short term and long term. And, lastly, applicants must explain how they have prepared to manage and accommodate family, work and life balance while completing this program in two years.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-sustainability-leadership-sustainability-leadership?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees/master-sustainability-leadership/
WGHL 108
SOSGradSunDevil@asu.edu
480-727-6963

Online Degree Search Title: Sustainability Solutions, MSUS
Campus: Tempe

## Program Description:

The MSUS program focuses on the application of established knowledge in sustainability and prepares students to develop solutions, working with stakeholders on sustainability challenges using a sustainability framework. The program is also designed to prepare students to apply sustainability principles and approaches to careers in a variety of fields, addressing complex human and environmental challenges. Students will have a knowledge base and skill set to bring sustainability solutions to corporate, government and NGO sectors. Students begin the program with a foundation in sustainability theory and methods, then are allowed to take electives in an area of interest.

A distinguishing element of the Master of Sustainability Solutions program is its applied approach and emphasis on solutions. This includes a course on managing sustainability projects as well as the capstone experience, in which students do an applied project in lieu of a thesis. Students are encouraged to apply sustainability principles and approaches to their chosen career field. They will be teaming up with a company, a government agency or a nongovernmental organization to develop a real-world sustainability solution. This practical experience will perfectly position graduates for today's competitive, knowledge-intensive job market. Students can also apply to participate in the Global Development Research Program, which works in conjunction with this program (or any graduate program at ASU).

## Concurrent Degrees:

This degree is also offered as concurrent degree program with:
Legal Studies, MLS
Master of Mass Communication, MMC
Public Administration - Downtown Phoenix, MPA
Public Policy, MPP
Urban and Environmental Planning, MUEP

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Sustainability, BA
Sustainability, BS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

33 credit hours including the applied project requirement of (SOS 593).
Required Core (6 credit hours)
SOS 510 Perspectives on Sustainability (3)
SOS 511 Advanced Sustainability Problem Solving (3)

Other Requirements (18 credit hours)
SOS 531 Achieving Career Success in Sustainability (1)
SOS 582 Project Management for Sustainability (3)
foundational courses (9)
methods courses (5)

Focus Area Electives (6 credit hours)
Culminating Experience (3 credit hours)
SOS 593 Applied Project (3)

Additional Curriculum Information
MSUS students specialize in a focus area and take six credit hours of elective coursework related to that area, with approval by their academic advisor.

For a list of approved courses that may fulfill the methods and foundational requirements, students should see the academic unit. No more than six credit hours of 400-level coursework can be included in the plan of study.

The Graduate College policies and procedures for fulfillment of degree requirements must also be met.

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- statement of intent
- GRE scores
three letters of recommendation
- resume or curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Letters of recommendation must be from three people who can attest to the applicant's academic and professional achievements. At least one letter should be academic in nature.

The statement of intent should not exceed 600 words and should explain the goals the applicant intends to achieve through the plan of study, describe how the applicant's background will contribute to success in the program, explain how completion of the degree will support long-term career goals, and elaborate on project ideas the applicant wishes to pursue as part of the program of study

## Contact Information:

Sustainability, School of
School of Sustainability https://schoolofsustainability.asu.edu/graduate-degrees-programs/master-sustainability-solutions/

WGHL 108
SOSGradSunDevil@asu.edu
480-727-6963

## Sustainable Energy, PHD (SUSUEPHD)

Online Degree Search Title: Sustainable Energy, PhD
Campus: Tempe

## Program Description:

American society struggles under the weight of its dependence on fossil fuels. As the global energy system is a complex, socio-technical system in which the technical and societal elements of producing and consuming energy have co-evolved into humanity's largest enterprise, educating the next generation of leaders in guiding society toward a sustainable energy future requires that future energy leaders can seamlessly navigate this very transdisciplinary landscape.

The PhD program in sustainable energy is designed to train students who can see beyond the boundaries of traditional methodologies and disciplinary viewpoints and who can integrate scientific excellence with societal and policy insights. The curriculum engages students to look at sustainable energy both from a transdisciplinary perspective and at different scales, from the lab to commercial application.

## Degree Requirements:

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (18 credit hours)
SOS 571 Sustainable Energy I: Technologies and Systems (3)
SOS 572 Sustainable Energy II: Transitions (3)
SOS 573 Sustainable Energy III: Futures Analysis, Negotiation and Governance (3)
SOS 574 Sustainable Energy Analytics in Context (3)
SOS 575 Sustainable Energy Research Seminar (4)
SOS 589 Community of Graduate Student Scholars (2)

Electives or Research (12 credit hours)

Other Requirement (12 credit hours)
SOS 792 Research (12)

Culminating Experience (12 credit hours)
SOS 799 Dissertation (12)

Additional Curriculum Information
Students take SOS 575 in four different semester terms for 1 credit hour each term.

Electives can be chosen from applicable courses in the following areas based on the student's area of interest and approval from the committee: engineering of matter, transport and energy; sustainable engineering and the built environment; geographical sciences and urban planning; molecular sciences; life sciences; future of innovation in society; physics; and sustainability.

Other electives may be used with approval from the academic unit. Student electives are customizable based on the student's area of research.

Doctoral students will be expected to include higher level courses (600 and 700 levels) as part of the elective and research coursework.

When approved by the student's supervisory committee and the Graduate College, this program allows 30 credit hours from a previously awarded master's degree to be used for this degree. If students do not have a previously awarded master's degree, the 30 hours of coursework will be made up of electives and research.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the School of Sustainability.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.25 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- resume or curriculum vitae
- GRE scores
- statement of intent
- three letters of recommendation
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The school encourages applicants with diverse educational backgrounds and experiences. Sample related fields include engineering, geography, urban planning, environmental science, physics, chemistry or planning for future innovations and societal changes.

All applicants must upload a statement of intent as part of the application process. In no more than 600 words, applicants must explain the goals they intend to achieve through their program of study at the School of Sustainability. Applicants should describe how their background will contribute to their success in the program and how completion of their degree will support their long-term career goals. Finally, applicants should elaborate on key research questions they wish to address or problems they wish to solve as part of their program of study and identify potential faculty advisors.

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/graduate-degrees-programs/doctor-philosophy-sustainable-energy/
WGHL 108
SOSGradSunDevil@asu.edu
480-727-6963

# Advanced Analytics in Higher Education, Certificate (TEAAHEGRCT) <br> Online Degree Search Title: Advanced Analytics in Higher Education (Graduate Certificate) <br> Campus: Tempe, Online 

## Program Description:

The graduate certificate program in advanced analytics in higher education prepares professionals to conduct the advanced analytics needed to support data-driven decision-making in all academic and operational areas of higher and postsecondary education.

In this certificate program, the coursework addresses the application of data mining, predictive analytics, sentiment analysis and data visualization techniques to higher education-specific problems with the goal of preparing individuals at all levels to use data in their decision-making processes. Through real-world projects using commonly used tools, students apply the knowledge and skills learned while gaining an understanding of the security and ethical considerations of analytics.

## Degree Requirements:

15 credit hours.

Required Core (15 credit hours)
HED 603 Foundation of Data Analytics in Higher Education (1)
HED 604 Analytics Process and Technology in Higher Education (2)
HED 605 Data Management and Preparation for Higher Ed Analytics (3)
HED 606 Advanced Analytic Methods for Higher Education (3)
HED 607 Visualization and Presentation for Higher Education (3)
HED 608 Trends in Advanced Analytic Methods for Higher Education (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College

Applicants are eligible to apply if they have earned a minimum of a bachelor's degree (business, economics, education, psychology or equivalent) or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

Applicants are required to submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this certificate
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Applicants are required to have at least one year working in an education-related field and have taken at least one graduate or undergraduate statistics course, finishing with a grade of "B" (scale is $4.00=$ "A") or better.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-advanced-analytics-higher-education)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
FAB S236
GraduateEducation@asu.edu
602-543-6358

Online Degree Search Title: An Overview of Autism Spectrum Disorders (Graduate Certificate)
Campus: Online

## Program Description:

The graduate certificate program in an overview of autism spectrum disorders is ideal for educators, interventionists, paraprofessionals, psychologists, pathologists, behavior analysts and family members who want to enhance their preparation for working with children and adults affected with autism spectrum disorder.

The online program can benefit those interested in the fields of teaching, counseling, social work, speech pathology and various fields of therapy and program management in any area that provides services to individuals on the autism spectrum.

Students can complete the graduate certificate within a two-year period while concurrently pursuing a graduate degree or they can complete it as a stand-alone certificate. Students interested in sitting for the national Board Certified Behavior Analyst exam should apply for the MEd in curriculum and instruction with a concentration in applied behavior analysis or the applied behavior analysis graduate certificate, depending on interest and need.

## Degree Requirements:

15 credit hours.

Required Core (12 credit hours)
SPE 520 Visual Communication (3)
SPE 521 Foundations of Autism Spectrum Disorders (3)
SPE 531 Methods of Applied Behavior Analysis for Exceptional Populations (3)
SPE 566 Applied Behavior Analysis in Inclusive Settings (3)

Culminating Experience (3 credit hours)
SPE 580 Practicum (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

For disclosure information about the U.S. Department of Education Gainful Employment Program, students should see https://catalog.asu.edu/files/disclosures/EDSPEGRCA/Gedt.html (https://catalog.asu.edu/files/disclosures/EDSPEGRCA/Gedt.html).

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/certificates/graduate-certificate-autism-spectrum-disorders?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118

## Applied Behavior Analysis (Certificate), Certificate (TEABAGRCT)

## Online Degree Search Title: Applied Behavior Analysis (Graduate Certificate)

Campus: Online

## Program Description:

The graduate certificate program in applied behavior analysis pairs research and experience to prepare professionals to work with individuals with special learning and behavior needs using the principles of applied behavior analysis.

Applied projects and assignments allow students to focus on the population with which they plan to work, while gaining the knowledge and skills to use applied behavior analysis across various populations and settings. Graduates will be well prepared to provide applied behavior analysis and evidence-based consultative services and support to clients, community and family members across a variety of settings.

Mary Lou Fulton Teachers College offers university coursework verified by the Behavior Analyst Certification Board for students interested in sitting for the board-certified behavior analyst examination. Once certified, these professionals are equipped to meet diverse behavior needs and make a lasting difference in the community. The course sequence meets the Behavior Analyst Certification Board-required 270 classroom hours of graduate-level instruction aligned with the BCBA/BCaBA task list (fourth edition). BCBA supervision hours, required for certification, are arranged and completed by the student separately from ASU coursework. Students seeking the master's degree as well as the verified university coursework for the BCBA exam should apply to the MEd program in curriculum and instruction with a concentration in applied behavior analysis.

## Degree Requirements:

18 credit hours.

Required Core (18 credit hours)
SPE 531 Methods of Applied Behavior Analysis for Exceptional Populations (3)
SPE 565 Behavior Change Systems (3)
SPE 566 Applied Behavior Analysis in Inclusive Settings (3)
SPE 567 Ethics of Applied Behavior Analysis (3)
SPE 568 Behavior Assessment (3)
SPE 569 Research Methods in Applied Behavior Analysis (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

For disclosure information about the U.S. Department of Education Gainful Employment Program, students should see https://catalog.asu.edu/files/disclosures/TEABAGRCT/Gedt.html (https://catalog.asu.edu/files/disclosures/TEABAGRCT/Gedt.html).

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-applied-behavior-analysis?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Curriculum and Instruction (Teaching and Learning), MEd (EDDCIMED)

Online Degree Search Title: Teaching and Learning, MEd
Campus: Online

## Program Description:

The MEd program in curriculum and instruction, with a concentration in teaching and learning, facilitates the development of advanced-level professional knowledge, skills and understanding through research and applied experiences. The program provides an avenue for developing skills in designing learning environments for students.

## Degree Requirements:

30 credit hours including the required applied project course (SPE 593), or 30 credit hours including the required capstone course (SPE 597).

Students will complete 30 credit hours in their focus area and a culminating project to be embedded within a course.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.
The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.
GRE scores are not required for admission.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

Online Degree Search Title: Accomplished Teaching, MA
Campus: Tempe

## Program Description:

The MA program in curriculum and instruction, accomplished teaching concentration, is designed for practicing educators who want to advance their expertise and be able to innovate not only in the classroom but also help their schools or other work settings to redesign education from a deep understanding of educational theory and practice. Students will improve their understanding of student learning and assessment, and they will develop skills in conducting action research.

## Degree Requirements:

30 credit hours including the required applied project course (DCI 593).

Required Core (15 credit hours)

Electives (12 credit hours)

Culminating Experience (3 credit hours)
DCI 593 Applied Project (3)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information

Applicants whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Curriculum and Instruction (Applied Behavior Analysis), MEd (TEABAMED)

Online Degree Search Title: Curriculum and Instruction (Applied Behavior Analysis), MEd
Campus: Online

## Program Description:

The MEd program in curriculum and instruction with a concentration in applied behavior analysis pairs research and experience to prepare professionals to use the principles of applied behavior analysis to work with individuals with special learning and behavior needs.

The coursework prepares students to use applied behavior analysis to address a variety of learning and behavior needs across a range of professions and settings. All courses are online, combining a range of resources and technologies to provide students the opportunity to interact directly with program faculty and classmates. Program graduates will be well-prepared to provide applied behavior analysis and evidence-based consultative services and support to clients, community and family members across a variety of settings.

Mary Lou Fulton Teachers College offers university coursework preapproved by the Behavior Analyst Certification Board for students interested in sitting for the Board Certified Behavior Analyst examination. Professionals with this certification are equipped to meet diverse behavior needs and make a lasting difference in the community. The course sequence meets the BACB-required 270 classroom hours of graduate-level instruction aligned with the fourth edition task list. BCBA supervision hours, required for certification, are arranged and completed by the student separately from ASU coursework. Students not seeking the master's degree but interested in only the preapproved university coursework for the BCBA exam may apply to the applied behavior analysis graduate certificate.

## Degree Requirements:

30 credit hours including the required capstone course (SPE 597).

Concentration (24 credit hours)

Research (3 credit hours)

Culminating Experience (3 credit hours)
SPE 597 Capstone Project (3)

Admission Requirements:
Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-applied-behavior-analysis?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

# Curriculum and Instruction (Autism Spectrum Disorders), MEd (TEASDMED) 

Online Degree Search Title: Curriculum and Instruction (Autism Spectrum Disorders), MEd
Campus: Online

## Program Description:

The MEd program in curriculum and instruction with a concentration in autism spectrum disorders equips individuals with specialized skills and knowledge to work effectively with children and adults affected with autism.

The steady rise in the number of those affected by autism has caused a public demand for professionals who are aware of the issues and needs facing these special individuals, their families and service providers. Program graduates will be well-prepared to provide important services and care for individuals with autism spectrum disorders in a variety of roles, including as educators, interventionists, paraprofessionals, psychologists, speech pathologists, behavior analysts or family members.

Each student completes a practicum customized to individual interests and abilities. The program culminates with a capstone experience in which students demonstrate analysis and synthesis of material learned in the master's program and evidence of competency in the six Council for Exceptional Children autism standards.

Students interested in sitting for the national Board Certified Behavior Analyst exam should apply to the master's degree in curriculum and instruction, applied behavior analysis concentration or the applied behavior analysis graduate certificate, depending on interest and need.

## Degree Requirements:

30 credit hours including the required capstone course (SPE 597).

Required Core ( 3 credit hours)
COE 501 Introduction to Research and Evaluation in Education (3)

Concentration (18 credit hours)

Electives (3 credit hours)

Other Requirements (3 credit hours)
SPE 580 Practicum (3)

Culminating Experience (3 credit hours)
SPE 597 Capstone (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.
The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
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ED 118
GraduateEducation@asu.edu
602-543-6358

## Curriculum and Instruction (Early Childhood Education), MEd (TEECDMED)

Online Degree Search Title: Curriculum and Instruction (Early Childhood Education), MEd
Campus: Online

## Program Description:

The MEd program in curriculum and instruction, early childhood education concentration, prepares individuals to meet the educational, social and emotional needs of children from birth through age eight.

Through online coursework, applied activities and in-person clinical experiences, the program equips students with specialized skills and advanced knowledge in early childhood pedagogy, community collaboration, technology, administration, policy analysis and advocacy.

The master's degree is appropriate for students interested in learning about early childhood education research and working with infants and children in grades K-3. This track may be of interest to students who already have a teaching certificate and are interested in furthering their knowledge and skills or pursuing doctoral studies in the future.

A second option is the master's degree and Arizona certification in early childhood education track, which provides students with the coursework and practical experiences necessary to become licensed to teach children birth through grade three in the public schools. The track provides participants an institutional recommendation for a state of Arizona early childhood education certification (birth through age eight or through grade three) and the master's degree.

All courses are online, but clinical experiences are completed in person.

## Degree Requirements:

Students in this program will complete an applied project within their plan of study as a culminating experience.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-education-curriculum-and-instruction-concentration-early-childhood?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Curriculum and Instruction (English as a Second Language), MA (EDESLMA)

Online Degree Search Title: English as a Second Language, MA
Campus: Online

## Program Description:

The MA program in curriculum and instruction, English as a second language concentration, prepares students to teach English language learners in a variety of settings, including U.S. schools. The program caters to professionals with a wide range of roles, including both new and experienced teachers, administrators, policymakers and community workers. Graduate students gain strategies to assist their students in developing ESL skills in reading, writing and listening, and they will learn how to involve community and families as partners.

The program teaches educators specific skills for assessing English learner proficiency and content area knowledge. It also exposes students to various program models and provides a strong foundation for supporting ESL students' language acquisition. Students will leave the program with a historical perspective of English learners in the U.S. and on past and current policy toward ESL. All program faculty have worked with English learner students, have a good mix of elementary- and secondary-level focus and field-tested research strategies, and are advocates for ESL students.

The program provides coursework in English as a second language required for the endorsement from the Arizona Department of Education. While the program is an excellent choice for teachers seeking to improve their preparation to work with English learners and includes coursework supporting the Arizona ESL endorsement for certified teachers, it does not lead to teacher certification. There is no requirement that students entering the program hold a teaching certificate or seek to obtain one.

Note: This degree is not the same as the Master of Teaching English to Speakers of Other Languages that is offered through the English department.

## Degree Requirements:

30 credit hours including the required capstone course (BLE 597).

Required Core (3 credit hours)
COE 501 Introduction to Research and Evaluation in Education (3)
Concentration (24 credit hours)
Culminating Experience (3 credit hours)
BLE 597 Capstone (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.
Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.
Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-arts-curriculum-and-instruction-english-second-language-esl?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Curriculum and Instruction (Gifted Education), MEd (TEGEDMED)

Online Degree Search Title: Gifted Education, MEd
Campus: Online

## Program Description:

The MEd program in curriculum and instruction with a concentration in gifted education prepares teachers, school administrators, school psychologists, early interventionists and family members to work effectively with gifted children. Students gain the theory and pedagogy needed to identify and serve gifted children as well as the knowledge and skills required to develop and provide the most current instructional methods and services for their gifted students.

Graduates will understand how to identify learning potential and address specific needs of gifted and talented students. They will have an understanding of gifted students' unique affective and academic needs and know how to design and provide appropriately challenging, differentiated curriculum and instruction so that gifted students may develop their full potential.

Graduates will know how to develop a continuum of gifted programs and services, work with school administrators, teachers, school boards and parents and be able to advocate for gifted students at local and national levels.

The program is designed for public and private teachers in regular classrooms, honors classrooms and gifted programs and for school administrators and gifted program coordinators.

The program provides the 12 credit hours of coursework in gifted education required for the gifted education ( $\mathrm{K}-12$ ) endorsement from the Arizona Department of Education. Students should refer to the Arizona Department of Education website for additional requirements.

## Degree Requirements:

30 credit hours including the required capstone course (SPE 597).

Required Core (3 credit hours)

Concentration (21 credit hours)

Electives (3 credit hours)

Culminating Experience (3 credit hours)
SPE 597 Capstone Project (3)

## Admission Requirements:

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-education-curriculum-and-instruction-teaching-and-learning-gifted-elementary?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
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602-543-6358

## Curriculum and Instruction (Literacy Education), MA (EDLANGMA)

Online Degree Search Title: Literacy Education, MA
Campus: Downtown Phoenix

## Program Description:

The MA program in curriculum and instruction, with a concentration in literacy education, provides students the opportunity to investigate theoretical and pedagogical perspectives in literacy education.

Students will study literacy assessment, essential elements of instruction, content area literacy, leadership, children's literature, multiliteracies, literacy research and theoretical foundations. Students will choose from specializations in multiliteracies education or programs that lead to Arizona Department of Education reading endorsements. Embedded within the courses in this program are six strands of inquiry:

Literacy Leadership --- A primary goal of this program is to develop a cadre of literacy leaders to serve the needs of teachers and students in Arizona and beyond.

Theoretical Foundations --- Literacy educators need to understand the relationship between theories and instructional practices in order to develop sound instructional practices and provide effective literacy instruction for all students.

Pedagogical Knowledge and Resources --- This program provides a foundational knowledge base for literacy educators, addressing both pedagogical and content knowledge. Literacy educators need to understand how to use a variety of resources to assess students' literate abilities and use these assessments to construct appropriate instructional strategies.

Technology and Digital Resources --- Teachers and students alike need to be prepared to face the impact and challenges technology brings to today's learning environments. This program will focus on the use of technology in our lives and the classroom to enhance learning experiences for students.

Critical Literacy and Social Justice --- This program is designed to enhance teachers' skills and dispositions for supporting inclusive educational practices, critical-thinking skills and multiliteracies to face the challenges of a diverse and global society.
for literacy instruction, and critically examine the environments and learning experiences constructed in their classrooms.

## Degree Requirements:

30 credit hours and a written comprehensive exam.

Required Core (9 credit hours)

Culminating Experience (0 credit hours)
written comprehensive exam

Additional Curriculum Information
Students should see the academic unit for an approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

## Contact Information:

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## Educational Leadership, MEd (EDSUPVMED)

Online Degree Search Title: Educational Leadership, MEd
Campus: Polytechnic, West

## Program Description:

Those interested in the principal preparation program should apply to the MEd Educational Leadership (Principalship) concentration.

The MEd program in educational leadership is designed for individuals who believe in the power of education to transform children's lives and who aspire to school leadership positions as administrators or other leadership roles in K-12 settings. This rigorous, standards-based leadership preparation program provides students with the knowledge and expertise to become transformative administrators or teacher leaders with deep and unwavering commitment to providing excellent and equitable educational opportunities for all students.

This program equips students with the skills to facilitate school-level and systemic change; create and sustain a culture of innovation and collaboration; successfully lead curriculum development; interpret and use data to support student success; provide effective feedback, support and evaluation for teachers; build a community network of support for students and schools; and ensure equitable and excellent educational opportunities and support for all students.

The master's degree program in educational leadership is designed to prepare teachers to meet Arizona requirements for principal certification. Students seeking certification in a state other than Arizona should contact their state department of education to determine the principal certification requirements prior to applying.

## Degree Requirements:

36 credit hours including the required applied project (EDA 593).

Required Core (27 credit hours)
EDA 501 Competency/Performance in Educational Administration (3)
EDA 505 American Education System (3)
EDA 511 School Law (3)
EDA 514 Leadership in Curriculum and Assessment (3)
EDA 526 Instructional Supervision (3)
EDA 548 School, Family and Community Connections (3)
EDA 572 School Finance and Human Resources (3)
EDA 578 Critical Issues in Educational Leadership (3)
EDA 634 Instructional Leadership (3)

Other Requirement (6 credit hours)
EDA 684 Internship (6)

Culminating Experience (3 credit hours)
EDA 593 Applied Project (3)

Additional Curriculum Information
The 15-month standards-based leadership development program begins with a three-week summer intensive that immerses the cohort in a simulated school experience during which students engage in required coursework in a hybrid format. Learning continues during the school year with a blend of Web-based and face-to-face courses taken at an ASU campus, including set meetings each semester wherein students visit schools and participate in instructional rounds. All students participate in a two-semester, school-based internship that provides the opportunity to apply new learning and research in a K-12 setting. The program concludes with a two-week summer intensive during which the cohort meets together and engages with coursework in a hybrid format

Students must be employed in a school-based position or have access to an ASU- and district-approved school placement that will serve as the laboratory of practice for applying the concepts, principles and leadership approaches learned through the coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution and have at least two years of pre-K through grade 12 teaching experience as a teacher of record.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency


## Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

## Contact Information:

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## Educational Leadership (Principalship), MEd (TEPRINMED)

Online Degree Search Title: Educational Leadership (Principalship), MEd

Campus: Online

## Program Description:

The MEd program in educational leadership with a concentration in principal preparation is designed for individuals who believe in the power of education to transform children's lives and who aspire to school leadership positions as administrators or in other leadership roles in K-12 settings. This rigorous, standards-based leadership preparation program provides students with the knowledge and expertise to become transformative administrators or teacher leaders with a deep and unwavering commitment to providing excellent and equitable educational opportunities for all students.

This program equips students with the skills to facilitate school-level and systemic change; create and sustain a culture of innovation and collaboration; successfully lead curriculum development; interpret and use data to support student success; provide effective feedback, support and evaluation for teachers; build a community network of support for students and schools; ensure equitable and excellent educational opportunities and support for all students.

The master's degree program in educational leadership is designed to prepare teachers to meet Arizona requirements for principal certification. Students seeking certification in a state other than Arizona should contact their state department of education to determine the principal certification requirements prior to applying.

## Degree Requirements:

36 credit hours and a portfolio, or 36 credit hours including an applied project (EDA 593).

Required Core (27 credit hours)
EDA 501 Competency/Performance in Educational Administration (3)
EDA 505 American Education System (3)
EDA 511 School Law (3)
EDA 514 Leadership in Curriculum and Assessment (3)
EDA 526 Instructional Supervision (3)
EDA 548 School, Family and Community Connections (3)
EDA 572 School Finance and Human Resources (3)
EDA 578 Critical Issues in Educational Leadership (3)
EDA 634 Instructional Leadership (3)

Other Requirement (6 credit hours)
EDA 684 Internship (6)

Culminating Experience (3 credit hours)
EDA 593 Applied Project (3)

Additional Curriculum Information
All students participate in a two-semester, school-based internship that provides the opportunity to apply new learning and research in a K-12 setting. Students must be employed in a school-based position or have access to an ASU- and district-approved school placement that will serve as the laboratory of practice for applying the concepts, principles and leadership approaches learned through the coursework.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution and have at least two years of pre-K through grade 12 teaching experience as a teacher of record.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

## All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program, and one of the letters must be from a current immediate supervisor who is a principal, assistant principal or the equivalent.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/graduate/master-education-educational-leadership-principal?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

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## Educational Leadership (Supervision), MEd (TESPRVIMED)

Online Degree Search Title: Educational Leadership (Supervision), MEd
Campus: Online

## Program Description:

This page describes the online supervision concentration in the educational leadership program.

Students interested in pursuing a degree in educational leadership should apply for one of the options below:

- in-person program, see master's degree program in educational leadership (EDSUPVMED)
- online principalship concentration, see master's degree program in educational leadership (principalship) (TEPRINMED)

The most innovative and effective educators stretch. They're relentless. They suspect that there's always a better way---and they find it. Those who attend graduate programs at ASU's Mary Lou Fulton Teachers College receive best-in-class preparation that allows them to harness and create knowledge, mobilize people and take action to improve education. These master's and doctoral programs prepare graduates to thrive in their careers and take leadership positions in advancing the world's most important profession.

The MEd program in educational leadership is designed for individuals who believe in the power of education to transform children's lives and who aspire to school leadership positions as administrators or teacher leaders. This rigorous, standards-based leadership preparation program provides students with the knowledge and expertise to become transformative administrators or teacher leaders with deep and unwavering commitment to providing excellent and equitable educational opportunities for all students.

This program equips students with the skills to facilitate school-level and systemic change; create and sustain a culture of innovation and collaboration; successfully lead curriculum development; interpret and use data to support student success; provide effective feedback, support and evaluation for teachers; build a community network of support for students and schools; ensure equitable and excellent educational opportunities and support for all students.

The two-year online pathway is designed for preK-12 teachers who want a more defined role in their school district by becoming an Arizona certified supervisor. The program focuses on building important leadership and curriculum skills and allows students to take advantage of the college's Internet-based coursework. Students must be employed in a school-based position or have access to an ASU- and district-approved school placement that will serve as the laboratory of practice for applying the concepts, principles and leadership approaches learned through the coursework.

Available options under the master's degree in educational leadership program are designed to prepare teachers to meet Arizona requirements for supervision certification. Students seeking certification in a state other than Arizona should contact their state department of education to determine the principal or supervision certification requirements prior to applying.

## Degree Requirements:

36 credit hours and a portfolio, or 36 credit hours including the required applied project (EDA 593).

Required Core (3 credit hours)

Concentration Requirements (27 credit hours)

Culminating Experience (3 credit hours)
EDA 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants must have a bachelor's degree and at least two years of preK-12 teaching experience as a teacher of record.

Applicants to this program are required to meet Graduate College admission standards and submit the following:

- graduate admission application and application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

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## Educational Policy, MA (EDSPFMA)

Online Degree Search Title: Educational Policy, MA
Campus: Tempe

## Program Description:

The MA program in educational policy provides graduates with skills in education policy and applied data analysis. It is particularly well suited for individuals whose current or prospective careers require the use and interpretation of data, such as overseeing assessments or conducting program evaluations. Classroom teachers and other practicing educators in all contexts will gain a new perspective on their schools, classrooms and teaching with the skills they develop in this master's degree program.

The coursework will deepen students' understanding of research and policymaking, allow them to critically assess education programs and policies and develop the skills they need to engage in data-driven decision-making. Courses address key issues in contemporary education policy, evaluating and synthesizing research literature, analyzing and interpreting data and conducting applied research projects. With the assistance of a faculty or academic advisor, students will also customize their elective courses in educational policy, research methods and areas of interest to enhance their knowledge and skills.

In the culminating experience in the final semester, students will design and execute an individual or group project that will utilize their new knowledge and research skills.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Educational Studies, BAE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including an applied project (EPA 593).

Required Core ( 15 credit hours)
EPA 532 Becoming an Informed Consumer of Education Research (3)
EPA 555 Translating Research for Education Change (3)
EPA 556 Data Analysis for Education Decisionmakers (3)
EPA 559 Systematic Inquiry for Problem Solving (3)
EPA 565 Critical Topics in Education Policy (3)

Restricted Elective or Research (12)

Culminating Experience (3 credit hours)
EPA 593 Applied Project (3)

Additional Curriculum Information
For electives or research, students should see the academic unit for the approved course list.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

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## Educational Policy and Evaluation, PHD (EDLDRSHPHD)

Online Degree Search Title: Educational Policy and Evaluation, PhD
Campus: Tempe

## Program Description:

The PhD program in educational policy and evaluation prepares scholars who teach and conduct rigorous, high-impact and transdisciplinary research on education policy that advances our collective understanding of preK-20 education.

Doctoral students in the educational policy and evaluation program engage in systematic analyses of education policies in a variety of settings, including schools, universities, research centers, government agencies and nongovernmental organizations.

The program emphasizes intensive training in the theory, methods and practice of education policy research and evaluation and an area of specialization supported by current faculty expertise.

Educational policy and evaluation students work closely with nationally and internationally recognized faculty members on collaborative and independent research projects that result in policy briefs, reports, scholarly articles and engagement in education policy. The program also provides opportunities for internships in applied settings and varied experiences in scholarly publishing.

Students are expected to engage in the doctoral program full time and are supported by Mary Lou Fulton Teachers College with funding renewable for four years with continued progress.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Of the 84 credit hours required for the degree, 54 must be earned at ASU and 24 of the ASU credit hours must be earned in research and dissertation courses. The coursework includes classes in policy analysis, research methods and an area of specialization. Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the 84 credit hours. In addition, a student may use up to 12 additional credit hours toward the doctorate if documentation is provided showing that those credit hours were not part of the master's degree. Students without a master's degree in a related discipline may transfer no more than 12 credit hours toward the degree.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- GRE scores
- an academic writing sample
curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

There is no minimum requirement on the GRE scores.

## Contact Information:

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## Educational Technology, MEd (EDTECHMED)

Online Degree Search Title: Educational Technology, MEd
Campus: Online

## Program Description:

The MEd program in educational technology emphasizes the design of learning technology environments, systems, applications and instructional materials for multiple learning contexts. The program prepares learning design and technology professionals for a variety of settings, including business and industry, and for formal and informal educational settings, such as K-12 and higher education, museums, and nonprofit and government organizations.

Through projects that address real-world, authentic problems, students will apply current research and learning theories, along with the use of emerging technologies, to the practice of learning and instructional design. All courses are online and combine a range of resources and technologies to facilitate direct interaction between students, program faculty and classmates. Program graduates will be prepared with the knowledge and skills required to address real-world problems and emerging design challenges through the process of learning design.

## Degree Requirements:

30 credit hours including the required applied project course (EDT 593).

Required Core ( 24 credit hours)
COE 501 Introduction to Research and Evaluation in Education (3)
EDP 540 Learning Theories and Instructional Strategies (3)
EDT 501 Foundations of Learning Design and Technologies (3)
EDT 502 Design and Development of Instruction (3)
EDT 503 Design of Effective Communications (3)
EDT 504 Modalities of Learning (3)
EDT 506 Evaluation of Learning Systems (3)
EDT 523 Issues in Online and Distance Education (3)

Elective (3 credit hours)

Culminating Experience (3 credit hours)
EDT 593 Applied Project (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-education-educational-technology)

## Contact Information:

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## Educational Technology, PHD (EDTECHPHD)

Online Degree Search Title: Educational Technology, PhD
Campus: Tempe

## Program Description:

The focus of the PhD program in educational technology is on the design, development and evaluation of instructional systems and on educational technology applications that support learning. The doctoral program emphasizes research using educational technology in applied settings.

The program prepares students for a variety of professional positions. Graduates are employed as faculty, educational technologists or instructional designers in universities, community colleges and schools, or as training managers in corporate settings.

## Degree Requirements:

84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Required Courses ( 24 credit hours)
EDP 540 Learning Theories and Instructional Strategies (3)
EDP 552 Multiple Regression and Correlation Methods (3)
EDP 554 Analysis-of-Variance Methods (3)
EDT 501 Foundations of Learning Design and Technologies (3)
EDT 502 Design and Development of Instruction (3)
EDT 503 Design of Effective Communications (3)
EDT 504 Modalities of Learning (3)
EDT 506 Evaluation of Learning Systems (3)
EDT 701 Research in Educational Technology (3)

Elective Courses (30 credit hours)
Students select a minimum of 30 credit hours of elective coursework in consultation with a faculty advisor or doctoral committee chair.

Practicum Hours ( 6 credit hours and research, below)
Students must earn at least 18 credit hours for practicum courses. Students will complete three different practica while in the program: instructional design (typically EDT 780 Practicum for three credit hours), teaching (typically EDT 680 Practicum for three credit hours), and a research practicum.

Research (12 credit hours)

Culminating Experience (12 credit hours)
EDT 799 Dissertation (12)

## Admission Requirements:

Applicants must fulfill requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.20 cumulative GPA (scale is $4.00=$ " A ") in the student's first bachelor's degree program, or applicants must have a minimum of a 3.20 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three email addresses for professional recommendations
- personal statement
- resume
- GRE scores
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency. The Mary Lou Fulton Teachers College requires a minimum score of 600 (paper-based) or 100 (Internet-based) on the TOEFL.

Scores of 500 or above on the verbal reasoning and quantitative reasoning sections of the GRE are required as well as a score of four or greater on the analytical writing section of the GRE

## Contact Information:

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## Elementary Education (Teacher Certification), MEd (TEEEACLMED)

Online Degree Search Title: Elementary Education (Teacher Certification), MEd
Campus: Downtown Phoenix, Tempe, West

## Program Description:

This program is for those who already have a bachelor's degree in any field and want to become licensed to teach grades 1-8.

The elementary education program builds strong connections between theory and practice through quality classroom instruction paired with extensive clinical experiences.

Students gain a strong foundation in teaching and content knowledge from experts in the field of education. Mary Lou Fulton Teachers College faculty actively engage in the educational research community and embed this vital knowledge throughout the program. This connection further empowers our students to engage in their own research through the applied project coursework.

A series of clinical experiences or field placements are designed to assist our students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through our clinical framework provides our students with the support they need to become effective educators.

The MEd program in elementary education offers the following three options for students to earn a master's degree and Arizona teacher certification:

The Masters and Arizona Certification (MAC) program students take classes at an ASU campus two nights a week and are required to do a field experience one day per week for at least two semesters. During the last semester of the MAC program, students complete a full-time student teaching experience.

The Induction, Masters and Arizona Certification (InMAC) program features a partnership with Teach For America, various school districts and charter schools. The InMAC program provides an alternative pathway to teacher certification for full-time teachers on an intern teaching certificate. To qualify, individuals must secure a full-time teaching position. Participants take classes one night per week and must be continuously enrolled in apprentice teaching coursework.

In the iTeachAZ program, students take classes and complete all field work in a partner school district. This is a daytime program in which students take classes two to three days per week and complete three days of field experience. In their next-to-last semester, students complete a full-time student teaching experience.

## Degree Requirements:

33 credit hours including the required applied project course (EED 593).

Required Core (27 credit hours)
EDP 510 Psychology in Education (3)
EED 521 Instructional Planning for the Diverse Classroom (3)
EED 524 Social Studies Methods and Assessment (3)
EED 529 Science Methods and Assessment (3)
EED 537 Mathematics Methods and Assessment (3)
ELL 504 Instructional Design for Culturally and Linguistically Diverse Students (3)
RDG 531 Language and Literacy I (3)

RDG 532 Language and Literacy II (3)
SPE 524 Effective Classroom Behavior Management (3)

Other Requirement (3 credit hours)
EED 511 Curriculum Theory and Instructional Planning (3)

Culminating Experience (3 credit hours)
EED 593 Applied Project (3)

Additional Curriculum Information
With approval of the academic unit, an alternative course to EED 511 may fulfill this requirement.

The applied project is conducted in the student teaching or apprentice teaching school setting.

Students will need to take additional coursework for tracks leading to certification, and they should see the academic unit for the approved course listing.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- IVP fingerprint clearance card issued by the state of Arizona
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

## Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## English as a Second Language (Certificate), Certificate (TEESLGRCT)

Online Degree Search Title: English as a Second Language (Graduate Certificate)
Campus: Online

## Program Description:

The graduate certificate in English as a second language prepares students to teach English language learners in a variety of settings, including U.S. schools. The program caters to a wide range of professionals, including new and experienced teachers, administrators, policymakers and community workers. Students of this program gain strategies to assist their students in developing ESL skills in reading, writing and listening and involve the community and families as partners.

The program teaches educators specific skills for assessing English learner proficiency and content area knowledge, knowledge of various program models and a stronger foundation in supporting ESL students' language acquisition. Students will leave the program with a historical perspective of English learners in the U.S. and context of past and current policy toward ESL. The program provides coursework in English as a second language required for the English as a second language endorsement from the Arizona Department of Education. Students should refer to the Arizona Department of Education website for additional requirements.

## Degree Requirements:

18 credit hours.

Required Core ( 15 credit hours)
BLE 511 Introduction to Language Minority Education (3)
BLE 520 ESL for Children (3)
BLE 522 Literacy/Biliteracy Development (3)
BLE 529 Language Assessment and Evaluation of ESL/BLE Students (3)
BLE 561 Parent Involvement in Language Minority Education Programs (3)

Electives (3 credit hours)
BLE 535 Sociolinguistic Issues in Bilingual Education (3)
BLE 537 Language Structure Acquisition (3)

Additional Curriculum Information
Students choose either BLE 535 or BLE 537 as elective coursework.

There is no culminating experience required for the certificate program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, preferably in education or related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

For disclosure information about the U.S. Department of Education Gainful Employment Program, students should see https://catalog.asu.edu/files/disclosures/TEESLGRCT/Gedt.html (https://catalog.asu.edu/files/disclosures/TEESLGRCT/Gedt.html).

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-english-second-language?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Gifted Education (Certificate), Certificate (TEGEDGRCT)

Online Degree Search Title: Gifted Education (Graduate Certificate)
Campus: Online

## Program Description:

The graduate certificate program in gifted education prepares teachers, school administrators, school psychologists, early interventionists and family members to work effectively with gifted children. The program provides students with the theory and pedagogy needed to identify and serve gifted children as well as the knowledge and skills required to develop and provide the most current instructional methods and services for their gifted students.

Graduates will understand how to identify learning potential and address specific needs of gifted and talented students. They will gain an understanding of gifted students' unique affective and academic needs and know how to design and provide appropriately challenging, differentiated curriculum and instruction so that gifted students may develop their full potential.

Graduates will know how to develop a continuum of gifted programs and services, work with school administrators, teachers, school boards and parents, and be able to advocate for gifted students at local and national levels.

The program provides coursework in gifted education required for the gifted education (K-12) endorsement from the Arizona Department of Education. Students should refer to the Arizona Department of Education website for additional requirements.

## Degree Requirements:

15 credit hours.

Required Core (12 credit hours)
SPE 585 Creativity: Foundations of Research and Development in Gifted Education (3)
SPE 586 Advising the Gifted Learner: Social and Emotional Needs (3)
SPE 587 Special Populations in Gifted Education (3)
SPE 588 The Gifted Learner: Foundations of Identification, Education and Development (3)

Electives (3 credit hours)
SPE 572 Testing and Measurement in Gifted Education: Methods (3)
SPE 573 Differentiating Instruction for Gifted Learners: Teaching Methods (3)
SPE 589 Teaching the Gifted Learner: Models, Methods and Programs (3)

Additional Curriculum Information
Students choose one course from SPE 572, SPE 573 or SPE 589 to complete the elective requirement.

There is no culminating experience required for this certificate program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, preferably in education or related field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/graduate-certificate-gifted-education?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Higher and Postsecondary Education, MEd (EDPOSTMED)

Online Degree Search Title: Higher and Postsecondary Education, MEd
Campus: Downtown Phoenix, Tempe

## Program Description:

The MEd program in higher and postsecondary education is designed to facilitate the professional development of those who work in colleges and universities in administrative or support positions.

The higher and postsecondary education program develops leaders who have a strong understanding of the theory and practice of higher education administration, possess the capacity to analyze issues confronting contemporary colleges and universities and apply expertise in designing innovative solutions in administrative decision-making. The goal of this program is to provide graduates with a better understanding of the challenges that face contemporary colleges and universities and to prepare them to succeed in environments that demand innovation, excellence, inclusion and collaboration. Students will have the opportunity to make a local impact to support the success of higher education in the state of Arizona.

Coursework addresses a range of practice-focused topics in the field, including the following: the history of higher education in the United States; organizational characteristics of colleges and universities; important laws and policies pertaining to administrative practice in higher education; how colleges and universities are funded; how to successfully work with the diverse stakeholders in contemporary higher education; and how to collect and use data to improve decision-making.

This 30 -credit hour, 10 -course program is offered on a 7.5 -week calendar in fall and spring semesters (six weeks in summer). Students may enroll part time or full time.

Most courses are offered in a hybrid format with 50 percent of the content delivered face-to-face (weekday evenings) and 50 percent delivered through independent or technology-supported learning experiences and fieldwork.

This program culminates with the creation and presentation of an applied project that demonstrates a student's learning and development and is designed to promote this student's career advancement in higher education.

## Degree Requirements:

30 credit hours including the required applied project course (HED 593).
Required Core (9 credit hours)
Foundation Courses (18 credit hours)
Culminating Experience (3 credit hours)
HED 593 Applied Project (3)

Addition Curriculum Information
Students should see the academic unit for a complete list of approved electives.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.
Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
resume
- proof of English language proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 120
GraduateEducation@asu.edu
602-543-6358
Institutional Research and Policy Analysis (certificate), Certificate (EDINSRESCE)
Online Degree Search Title: Institutional Research and Policy Analysis (Graduate Certificate)
Campus: Tempe

## Program Description:

People working in or with schools are increasingly being asked to interpret and make decisions based on data. The graduate certificate program in institutional research and policy analysis provides participants with the training and skills in education policy and applied data analysis that will allow them to critically assess education programs and policies and engage in data-driven decision-making. The certificate consists of courses in which students will analyze data from real-world settings, including their own schools or organizations.

This certificate program will allow students to glean insights from data that will help them make effective decisions in classrooms, schools, districts and other organizations; present reliable and pertinent data to their colleagues and administrators; and develop analyses that can help them identify instructional changes aimed at improving student achievement.

## Degree Requirements:

15 credit hours.

Required Courses ( 15 credit hours)
EPA 532 Becoming an Informed Consumer of Education Research (3)
EPA 555 Translating Research for Educational Change (3)
EPA 556 Data Analysis for Education Decision Makers (3)
EPA 559 Systematic Inquiry for Problem Solving (3)
EPA 565 Critical Topics in Education Policy (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

For disclosure information about the U.S. Department of Education Gainful Employment Program, students should see https://catalog.asu.edu/files/disclosures/EDINSRESCE/Gedt.html (https://catalog.asu.edu/files/disclosures/EDINSRESCE/Gedt.html).

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
http://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Instructional Design and Performance Improvement (certificate), Certificate (EDEDTGRCT)

Online Degree Search Title: Instructional Design and Performance Improvement (Graduate Certificate)
Campus: Tempe

## Program Description:

Mary Lou Fulton Teachers College offers a graduate certificate in instructional design and performance improvement. The program focuses on how to facilitate learning and improve performance in a variety of settings and on design and development of instruction, instructional media design, development of computer-based instruction and trends in performance improvement.

Students can concurrently pursue the graduate certificate while enrolled in other graduate programs at ASU.

The graduate certificate includes a specific series of courses that will help a student achieve professional growth.

## Degree Requirements:

15 credit hours including the required capstone course (EDT 504).

Required Core (12 credit hours)
EDT 501 Foundations of Learning Design and Technology (3)
EDT 502 Design and Development of Instruction (3)
EDT 503 Design of Effective Communications (3)
EDT 507 Performance Improvement and Leadership (3)

Culminating Experience (3 credit hours)
EDT 504 Modalities of Learning (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

For disclosure information about the U.S. Department of Education Gainful Employment Program, students should see https://catalog.asu.edu/files/disclosures/EDEDTGRCT/Gedt.html (https://catalog.asu.edu/files/disclosures/EDEDTGRCT/Gedt.html).

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
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GraduateEducation@asu.edu
602-543-6358

## Leadership and Innovation, EdD (TELINEDD)

Online Degree Search Title: Leadership and Innovation, EdD
Campus: West, Online

## Program Description:

The EdD program in leadership and innovation prepares scholarly practitioners and is designed for practicing educator-leaders who work in a range of settings who want to transform their practice and create better learning opportunities for students of all ages.

Students in the program begin as accomplished teachers, teacher leaders, principals, superintendents, higher education professionals or leaders in other educational contexts. Through coursework, students deepen their abilities to lead change and implement innovation in their local educational organizations. The program is not designed to prepare students for academic research-oriented tenure-track positions.

The cohort-based program focuses on research in action and includes required coursework and several options for advanced professional studies with a research core that deepens students' abilities to reflectively and critically think about problems of practice in one of the following contexts: preK-12 change leadership; higher education change leadership; or systems, professional and reimagined change leadership.

Differentiation among these contexts and students' interests occurs within the required coursework.

Students conduct multiple cycles of inquiry throughout the program and learn research within their own workplace and share their research at the end of each academic year through presentations in a public doctoral research conference.

Leader-scholar communities, formed at the end of the first year and consisting of five to seven students and one faculty member, meet regularly for the second and third years of the program to supply academic and personal support. Through LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Each student's LSC leader serves as the dissertation chair, along with two additional committee members who ultimately make up the doctoral committee.

Successful graduates make a commitment to continuing systematic study of their professional practice and sustaining innovation and leadership by making a positive difference in their local settings. The program aims to enable more thoughtful, intentional and informed leaders who are willing and able to implement and study continuous improvement.

The program will make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, schools or organizations, and local communities.

## Degree Requirements:

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Core (24 credit hours)

Research ( 9 credit hours)

Advanced Professional Studies (6 credit hours)

Directed Field-based Study (3 credit hours)

Participation in Leader Scholar Communities (6 credit hours)

Additional Curriculum Information
Students should see the academic unit for an approved course list.

Students register for required research and dissertation hours as part of the Leader-Scholar Communities requirement.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's and master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- an academic writing sample
- curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reasons for seeking this degree, along with potential problems of practice to serve as a guide for applied research in the program.

GRE scores are not required for admission.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/edd-leadership-and-innovation?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Leadership and Innovation (Policy and Administration), EdD (TEINNPAEDD)

Online Degree Search Title: Educational Leadership and Innovation (Policy/Admin), EdD
Campus: West

## Program Description:

The EdD in leadership and innovation program is designed for practicing educator-leaders who want to participate in creating better learning opportunities for students of all ages in a range of settings with the ultimate goal of transforming the practice of education.

The focus of the program is research in action. Students conduct multiple studies throughout the program to learn by doing and to influence change based on scholarship applied in their workplace.

Students in the program begin as accomplished teachers, teacher leaders, principals and superintendents, and "edupreneurs" or higher education professionals. Through their learning, they deepen their abilities to lead and innovate in educational organizations. The program is not designed to prepare students for academic tenure-track positions

The cohort-based program begins in summer with an introduction to doctoral studies and the formation of a professional learning community that draws on the strengths of all group members.

Required courses are team-taught by faculty and require students to conduct research in their workplace, laying the foundation for the culminating project: the action research study documented in the dissertation.

Leader-Scholar Communities, formed at the end of the first year and consisting of five to seven students and two faculty members, meet regularly for the second and third years of the program. Students register for required research and dissertation hours as part of the LSC requirement.

Through these LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Students share their research at the end of each semester through roundtables, posters and symposia in a public research day.

Successful graduates have made a commitment to continuing systematic study of their professional practice and make a positive difference in their local workplaces putting their research in action. The program aims to enable more thoughtful, intentional and informed leaders, willing and able to implement and study change.

The program will make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, the student's school or organization, the community and the world.

## Degree Requirements:

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation (including a Master's degree and 60 credit hours post-Masters).
required core ( 15 credit hours)
research core ( 9 credit hours)
advanced professional studies ( 15 credit hours)
directed field-based study (3 credit hours)
participation in leader-scholar communities ( 6 credit hours)
dissertation (12 credit hours)

## Admission Requirements:

The concentration in policy and administration under the EdD in leadership and innovation is no longer accepting applications. Applicants should apply to the EdD in leadership and innovation rather than a specific concentration.

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
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## Leadership and Innovation (Teaching), EdD (TEINNTEEDD)

Online Degree Search Title: Educational Leadership and Innovation (Teaching), EdD

## Campus: West

## Program Description:

The EdD in leadership and innovation program is designed for practicing educator-leaders who want to participate in creating better learning opportunities for students of all ages in a range of settings with the ultimate goal of transforming the practice of education.

The focus of the program is research in action. Students conduct multiple studies throughout the program to learn by doing and to influence change based on scholarship applied in their workplace.

Students in the program begin as accomplished teachers, teacher leaders, principals and superintendents, and "edupreneurs" or higher education professionals. Through their learning, they deepen their abilities to lead and innovate in educational organizations. The program is not designed to prepare students for academic tenure-track positions.

The cohort-based program begins in summer with an introduction to doctoral studies and the formation of a professional learning community that draws on the strengths of all group members.

Required courses are team-taught by faculty and require students to conduct research in their workplace, laying the foundation for the culminating project: the action research study documented in the dissertation.
the second and third years of the program. Students register for required research and dissertation hours as part of the LSC requirement.

Through these LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Students share their research at the end of each semester through roundtables, posters and symposia in a public research day.

Successful graduates have made a commitment to continuing systematic study of their professional practice and make a positive difference in their local workplaces putting their research in action. The program aims to enable more thoughtful, intentional and informed leaders, willing and able to implement and study change.

The program will make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, the student's school or organization, the community and the world.

## Degree Requirements:

90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation (including a Master's degree and 60 credit hours post-Masters).
professional core (15 credit hours)
research core ( 9 credit hours)
advanced professional studies ( 15 credit hours)
directed field-based study (3 credit hours)
participation in leader-scholar communities (6 credit hours)
dissertation (12 credit hours)

## Admission Requirements:

The concentration in leadership of teaching innovation under the EdD in leadership and innovation is no longer accepting applications. Applicants should apply to the EdD in leadership and innovation rather than a specific concentration.

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
http://education.asu.edu/
ED 118
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602-543-6358

## Learning Sciences, MA (EDPSYCHMA)

Online Degree Search Title: Learning Sciences, MA
Campus: Tempe

## Program Description:

The MA program in learning sciences proceeds from an understanding that learning happens in many places that include but are not limited to schools.

This program focuses on the power of design thinking to improve educational systems and provides students with a blend of theoretical insights and practical tools that will prepare them to shape learning environments and experiences. The systems-level approach includes cognitive, social and contextual factors and the interactions among them.

Graduates of the program will be equipped to design effective learning systems in a broad range of formal and informal settings that include museums, libraries, workplaces and schools and will be well-prepared to become leaders in the development, integration and improvement of learning and teaching systems

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Educational Studies, BAE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

30 credit hours including the required applied project course (LSE 593), or 30 credit hours, a thesis and a written comprehensive exam.

Required Core (3 credit hours)
LSE 540 Theoretical Views of Learning in the Learning Sciences (3)

Electives or Research (21-24 credit hours)
Culminating Experience ( $3-6$ credit hours)
LSE 593 Applied Project (3) or
LSE 599 Thesis (6)
Additional Curriculum Information
With advisor approval, EDP 540 may be taken in place of LSE 540 for the core requirement.

Students completing an applied project for their culminating experience will take 24 credit hours of electives or research courses.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.
Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Admission Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.
The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program and the personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Learning, Literacies and Technologies, PHD (EDCIPHD)

Online Degree Search Title: Learning, Literacies and Technologies, PhD
Campus: Tempe

## Program Description:

The PhD program in learning, literacies and technologies is designed to prepare scholars who will address socially significant educational programs and transform preK-20 educational programs through rigorous research and educational interventions. Graduates rely on transdisciplinary theoretical and methodological perspectives to engage, influence and transform educational institutions and their practices.

The program graduates educational researchers who serve as scholars, leaders and teacher educators engaged in the design, development and use of literacies and technologies that promote learning. Graduates are stewards of their educational field, working across disciplinary boundaries to address the learning challenges of the new millennium.
of scholars led by distinguished faculty will collaborate with doctoral students, individually and in teams, to design powerful studies, implement them in authentic settings, collect and analyze data, write research reports, and present and publish the results.

Academic study and research in the learning, literacies and technologies program focuses on the nature of human learning and literacies across diverse learners and contexts, the use of technologies to support learning, the design of learning environments, and the conditions under which learning occurs.

As a future scholar, teacher educator or researcher, students will develop areas of emphasis with their faculty advisor and doctoral committee members to work at the cutting edges of educational science, leading the way to innovation and exploration of new technologies and literacies for learning.

Students are expected to engage in the doctoral program full time and are supported by Mary Lou Fulton Teachers College with funding renewable for four years with continued satisfactory progress.

## Degree Requirements:

85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Core Courses (13 credit hours)
Specialization Courses (12 credit hours)
Elective or Research Courses (12 credit hours)
Research (3 credit hours)
Internship (3 credit hours)
Dissertation (12 credit hours)

Additional Curriculum Information
When approved by the student's supervisory committee, this program allows 30 credit hours from a previously awarded master's degree to be used for this program.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All Applicants must submit:

- graduate admission application and application fee
- GRE scores
- official transcripts
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- an academic writing sample
curriculum vitae
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

There are no minimum required GRE scores.

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358
Online Teaching for Grades K-12 (certificate), Certificate (TEEDTGRCT)

Online Degree Search Title: Online Teaching for Grades K-12 (Graduate Certificate)
Campus: Tempe, Online

## Program Description:

This certificate program prepares educators to design systems for learning in a broad range of organizations and includes practical application of research on learning, design methods and organizational dynamics. Students who complete the certificate program are prepared to be effective members and leaders of teams who redesign education in preK-20 and other settings.

## Degree Requirements:

15 credit hours including the required capstone course (EDT 580).

The certificate requires five courses, each consisting of three credit hours. The culminating experience for this certificate program is an electronic portfolio that will be completed in EDT 580.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " $\mathrm{A} "$ ) in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

GRE scores are not required for admission.

Applicants should have at least one year of professional education experience.

For disclosure information about the U.S. Department of Education Gainful Employment Program, students should see https://catalog.asu.edu/files/disclosures/TEEDTGRCT/Gedt.html (https://catalog.asu.edu/files/disclosures/TEEDTGRCT/Gedt.html).

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Physical Education, MPE (ECPHYEDMPE)

Online Degree Search Title: Physical Education, MPE
Campus: Polytechnic

## Program Description:

The MPE program offers three options for students interested in gaining knowledge of current curriculum and instructional and administrative practices and procedures in physical education. Emphasis is placed on improving instructional effectiveness and developing quality physical education programs in school settings as well as expanded physical activity programming beyond the physical education lessons within school environments. Students learn about designing, implementing and assessing Comprehensive School Physical Activity Programs. This type of programming reflects current global trends in promoting physical activity for children, youth, school staff and families in communities surrounding school campuses. The Master of Physical Education degree program gives candidates the flexibility to design a plan of study that enhances their interests and professional specialization.

The Master of Physical Education pedagogy research track is appropriate for students interested in learning more about research on teaching in physical education settings. This track may be of interest to students who already have a teacher certificate in physical education and are interested in pursuing doctoral studies in the future.

The Master of Physical Education with a physical education endorsement (grades K-12) familiarizes students with the most current trends and issues in school physical education. Students can focus on numerous topics within elementary physical education, secondary physical education and adapted physical education. This track may be of interest to students with a teaching certificate in a different subject matter who are interested in a K-12 physical education endorsement.

The master's degree and Arizona certification in physical education program provides students with the coursework and practical experiences necessary to become certified to teach physical education in the public schools. The program provides participants an institutional recommendation for an Arizona secondary education (grades 6-12) certification with a physical education endorsement (grades K-12) and the Master of Physical Education degree.

## Degree Requirements:

33 credit hours including the required applied project course (PPE 593) and a written comprehensive exam.

The Master of Physical Education degree program has three tracks.

Physical Education K-12 Teaching Track:
required core ( 24 credit hours)
electives ( 6 credit hours)
applied project (3 credit hours)

Physical Education Pedagogy Research Track:
required core ( 24 credit hours)
electives ( 6 credit hours)
applied project (3 credit hours)

Physical Education Initial Teacher Certification Track:
required core (24 credit hours)
electives ( 6 credit hours)
applied project (3 credit hours)
additional courses for certification

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
-three letters of recommendation
- personal statement
- resume
- IVP Fingerprint Clearance Card issued by the State of Arizona
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

## Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
SANCA 331
GraduateEducation@asu.edu
480-727-1103

## Secondary Education (Teacher Certification), MEd (TESCERTMED)

Online Degree Search Title: Secondary Education (Teacher Certification), MEd
Campus: Downtown Phoenix, Polytechnic, Tempe, West

## Program Description:

This program is for those who want to become certified to teach grades 6-12 in the public schools and already have a bachelor's degree in any field.

ASU's secondary education program builds strong connections between theory and practice through quality classroom instruction paired with extensive clinical experiences.

Students gain a strong foundation in teaching and content knowledge from experts in the field of education. Mary Lou Fulton Teachers College faculty actively engage in the educational research community and embed this vital knowledge throughout the program. This connection further empowers our students to engage in their own research through the culminating action research applied project.

A series of clinical experiences or field placements are designed to assist our students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through our clinical framework provides our students with the support they need to be successful in today's rapidly evolving educational environment.

The MEd program in secondary education with teacher certification offers three options for students to earn a master's degree and Arizona teacher certification.

In the Masters and Arizona Certification (MAC) program, students take classes at an ASU campus two nights a week and are required to do a field experience one day per week for at least two semesters. During the last semester of the program, students complete a full-time student teaching experience in their content area.

The Induction, Master of Education and Arizona Certification (InMAC) program provides an alternative pathway to teacher certification for full-time teachers on a Teaching Intern certificate. To qualify, individuals must secure a full-time teaching position. The InMAC program also features a partnership with Teach For America. Participants take classes one night per week. The InMAC program supports individuals teaching in elementary, secondary and special education classrooms through coursework and supervised clinical experiences.

## Accelerated Degrees:

With the same high-quality curriculum and world-renowned faculty, ASU students can accelerate the completion of their bachelor's and master's degree to as little as five years. :
Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Engineering (Automotive Systems), BSE
Engineering (Electrical Systems), BSE
Engineering (Humanitarian Engineering), BSE
Engineering (Mechanical Engineering Systems), BSE
Engineering (Robotics), BSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

## Degree Requirements:

33 credit hours including the required applied project course (SED 593).

Required Core (18 credit hours)
RDG 507 Content Area Literacy (3)
SED 501 Introduction to Effective Instruction (3)
SED 522 Secondary School Curriculum Development (3)
SED 544 Creating Classroom Climates (3)
SPE 555 Inclusive Practices for Diverse Learners (3)
TEL 505 American Educational Policy (3)

Track (12 credit hours)

Culminating Experience (3 credit hours)
SED 593 Applied Project (3)

Additional Curriculum Information
Students select one of the three tracks either in TEAMS, Masters and Arizona Certification (MAC), or Intern, Masters and Arizona Certification (InMAC). Please see the academic unit for the list of courses required in each track option.

The applied project must be completed during student teaching or apprentice teaching.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission

## Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Special Education, MA (EDSPEDMA)

Online Degree Search Title: Special Education, MA
Campus: Tempe, Online

## Program Description:

Graduates from the MA program in special education will be able to design and deliver education and related services for populations with diverse needs. The skills developed through this degree program include systematic planning for all individuals, support of positive behavior, and advocacy for new, research-based approaches to education and related services.

## Degree Requirements:

Required Core (12 credit hours)

SPE 564 Controversial Therapies: Science, Fad and Pseudoscience in Educational Settings (3)

SPE 566 Applied Behavior Analysis in Inclusive Settings (3)
SPE 568 Behavior Assessment (3)

Electives or Research (15 credit hours)

Culminating Experience (3 credit hours)

SPE 593 Applied Project (3) or

SPE 597 Capstone (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in education or a related field from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- letter of intent or written statement
- professional resume
- three letters of recommendation
- proof of English proficiency

Additional Application Information

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
FAB 200
graduateeducation@asu.edu
480-965-5555

## Special Education (Applied Behavior Analysis), MA (TESPEABAMA)

Online Degree Search Title: Special Education (Applied Behavior Analysis), MA
Campus: Online

## Program Description:

The MA program in special education with a concentration in applied behavior analysis combines research and experience to prepare professionals to use principles of ABA with individuals who have special learning and behavior needs. The coursework prepares students to use applied behavior analysis to address a variety of learning and behavior needs across a range of professions and settings. All courses are online, combining an assortment of resources and technologies to provide students the opportunity to interact directly with program faculty and classmates.

Program graduates will be well-prepared to provide applied behavior analysis and evidence-based consultative services and support to clients, community and family members across a variety of settings. Coursework is verified by the Behavior Analyst Certification Board for students interested in sitting for the Board Certified Behavior Analyst examination. BCBA supervision hours, required for certification, are arranged and completed by the student separately from ASU coursework.

## Degree Requirements:

Required Core (12 credit hours)

SPE 564 Controversial Therapies; Science, Fad and Pseudoscience in Educational Settings (3)

SPE 565 Behavior Change Systems (3)
SPE 566 Applied Behavior Analysis in Inclusive Settings (3)

SPE 568 Behavior Assessment (3)

Concentration (15 credit hours)

SPE 531 Methods of Applied Behavior Analysis for Exceptional Populations (3)

SPE 562 Personnel Supervision and Organizational Behavior Management in Educational Settings (3)
SPE 563 Philosophical Foundations of Applied Behavior Analysis in Educational Settings (3)

SPE 567 Ethics of Applied Behavior Analysis (3)

SPE 569 Research Methods in Applied Behavior Analysis (3)

Culminating Experience (3 credit hours)

SPE 593 Applied Project (3)

SPE 597 Capstone (3)

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in any field, from a regionally accredited institution. A degree in education or another field related to applied behavior analysis is preferred.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ "A") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- personal statement
- three letters of recommendation
- resume
- proof of English proficiency

An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The personal statement should demonstrate the applicant's goals with respect to the program outcomes and success in a graduate and online program. The statement should also demonstrate high-quality writing and awareness that the student understands the demands of graduate school.

Three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program are required for admission

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/graduate/master-arts-special-education-applied-behavior-analysis)

## Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
https://education.asu.edu
FAB 200
graduateeducation@asu.edu
480-965-5555

## Special Education (Teacher Certification), MEd (TESECRTMED)

Online Degree Search Title: Special Education (Teacher Certification), MEd
Campus: Downtown Phoenix, Polytechnic, Tempe, West

## Program Description:

This program is for those seeking Arizona teacher certification in special education. The special education program builds strong connections between theory and practice through quality classroom instruction paired with extensive clinical experiences.

Students gain a strong foundation in teaching and content knowledge from experts in the field of education. Mary Lou Fulton Teachers College faculty actively engage in the educational research community and embed this vital knowledge throughout the program. This connection further empowers students to engage in their own research through the culminating action research applied project.

A series of clinical experiences or field placements are designed to assist students in developing a thorough understanding of teaching and learning as they apply knowledge from their coursework in varied school settings. Individualized guidance through our clinical framework provides students with the support they need to be successful in today's rapidly evolving educational environment.

The MEd program in special education with Arizona teacher certification offers two options for students to earn a master's degree and Arizona teacher certification: a mild-moderate track and a severe-profound track.

In the Master of Education and Arizona Certification (MAC) program, students take classes at an ASU campus two nights a week and are required to complete daytime field experiences for at least two semesters. During the last semester of the program, students complete a full-time split student teaching experience: half the semester in a special education classroom and the other half in an elementary classroom. Students in the MAC program receive dual Arizona teacher certification in the following teaching certificates: Mild-Moderate Disabilities Special Education, K-12 and Elementary Education, grades 1-8. The mild to moderate areas include forms of emotional, behavioral, learning, and orthopedic disabilities as well as intellectual disabilities and other health impairments.

The Induction, Master of Education and Arizona Certification (InMAC) program provides an alternative pathway to the Arizona teacher certification Mild-Moderate Disabilities Special Education, K-12, for full-time teachers on the teaching intern certificate. To qualify, individuals must secure a fulltime teaching position. The InMAC program also features a partnership with Teach For America. Participants take classes one night per week.

## Degree Requirements:

33 credit hours including the required applied project course (SPE 593).

Required Core (12 credit hours)
EED 537 Mathematics Methods and Assessment (3)
SPE 501 Introduction to Research and Evaluation in Education (3)
SPE 538 Language and Literacy I (3)
SPE 575 Survey, Issues and Foundations for the Exceptional Student (3)

Track (18 credit hours)

Culminating Experience (3 credit hours)
SPE 593 Applied Project (3)

Additional Curriculum Information
Students choose either the mild-moderate track, which has the options of the Masters and Arizona Certification (MAC) or Induction, Masters and Arizona Certification (InMAC) pathways; or the severe-profound track. Please note that students will take additional coursework for certification.

The applied project is completed during the student teaching or apprentice teaching experience.

## Admission Requirements:

Applicants must fulfill the requirements of both the Graduate College and the Mary Lou Fulton Teachers College.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree, in any field, from a regionally accredited institution.

Applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in the last 60 hours of a student's first bachelor's degree program, or applicants must have a minimum of a 3.00 cumulative GPA (scale is $4.00=$ " A ") in an applicable master's degree program.

All applicants must submit:

- graduate admission application and application fee
- official transcripts
- three letters of recommendation
- personal statement
- resume
- proof of English proficiency

Additional Application Information
An applicant whose native language is not English (regardless of current residency) must provide proof of English proficiency.

The letters of recommendation should be from individuals who can speak to the applicant's potential for success in a graduate program.

The personal statement should describe the applicant's interests and reason for seeking this degree.

GRE scores are not required for admission.

## Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
GraduateEducation@asu.edu
602-543-6358

## Technology for Teaching and Learning (certificate), Certificate (EDEDTTGRCT)

Online Degree Search Title: Technology for Teaching and Learning (Graduate Certificate)

## Campus: Tempe

## Program Description:

The graduate certificate in technology for teaching and learning is geared toward classroom teachers who want to become skilled at integrating technology in the curriculum. Students will acquire the knowledge and skills needed to meet the National Education Technology Standards for Teachers, developed by the International Society for Technology in Education and being adopted by the National Council for Accreditation for Teacher Education. All courses will be offered online and face-to-face. The certificate program can be completed within a two-year period.

## Degree Requirements:

15 credit hours including the required capstone course (EDT 591).

Students must successfully complete four out of a possible six educational technology courses before completing a three-credit required capstone course.

Applications are currently closed.

## Contact Information:

Teachers College, Mary Lou Fulton
Dean, Mary Lou Fulton Teachers College
https://education.asu.edu/
ED 118
GraduateEducation@asu.edu 602-543-6358

## Undergraduate Programs

## Minors (Program Descriptions and Requirements)

## African and African American Studies Minor (LAAFRMIN)

Campus: Tempe

## Description:

The minor in African and African-American studies examines the culture, arts, history, politics, economics and current status of African-Americans, Africans and the African Diaspora, especially in the Caribbean, Central America and South America. The goal is to prepare students for lifelong learning, advanced study in a variety of fields and successful careers and productive public service in an increasingly diverse society, especially in Arizona.

## Program Requirements:

The certificate requires completion of 18 credit hours. At least 12 credit hours must be completed at the upper-division level and a grade of " C " ( 2.00 on a 4.00 scale) or better is required for all courses.

Required Core Course -- 3 credit hours
AFR 200: Introduction to Africana Studies (SB \& G \& H) (3)

Elective Course (select one) -- 3 credit hours
AFR 300: Precolonial Africa (SB \& G \& H) (3)
AFR 301: Race and Racism in Africa/African Diaspora (SB \& G) (3)
AFR 302: History of Black Women in America (SB \& H) (3)
AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB \& H) (3)

Electives -- 12 credit hours
AFR Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in African and African American studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/african-and-african-american-studies
WILSN 125
SSTadvising@asu.edu
480-965-7682
American Indian Studies Minor (LAAISMIN)
Campus: Tempe

The minor in American Indian studies is designed for students interested in developing an understanding of American Indian issues and analyzing issues through critical inquiry.

## Program Requirements:

The minor in American Indian studies requires 18 credit hours. At least 12 hours must be upper-division coursework, and all courses must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or higher.

Required Courses -- 9 credit hours
AIS 180: Introduction to American Indian Studies (C) (3)
AIS 285: Federal Indian Policy (H \& C) (3)
AIS 380: Contemporary Issues of American Indian Nations (C) (3)

Electives (select three courses) -- 9 credit hours
AIS 320: American Indian Philosophies and World Views (HU \& C) (3)
AIS 360: Issues in Urban Indian Country (C) (3)
AIS 385: Entrepreneurship for American Indian Sustainability (3)
AIS 440: Cultural Professionalism (C) (3)
AIS 455: Human Rights and Cultural Resource Laws (3)
AIS 470: Tribal Governance (3)
AIS 480: Actualizing Decolonization (HU \& C \& G) (3)
AIS 484: Internship (3)
AIS 499: Individualized Instruction (3)
ENG 359: Indigenous American Literature ((L or HU) \& C) (3)
HST 337: American Indian History to 1900 ((HU or SB) \& C \& H) (3)
HST 338: American Indian History since 1900 ((HU or SB) \& C \& H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in American Indian studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
American Indian Studies Program
https://americanindian.clas.asu.edu/
DISCVRY 356
AIS@asu.edu
480-727-7056

## American Studies Minor (ASAMSMIN)

Campus: West

## Description:

The American studies minor offered by the School of Humanities, Arts, and Cultural Studies gives students the opportunity to pursue an interest in the interdisciplinary study of American culture. This interdisciplinary minor is particularly appropriate for students majoring in one of the humanities or social sciences disciplines.

The minor in American studies consists of 18 credit hours. A minimum of 12 credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Credit hours may not be shared between major and minor requirements. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
AMS 201: Introduction to American Studies (L \& C) (3)
HRC 200: Introduction to Social and Cultural Analysis (SB \& C) (3)

Electives -- 12 credit hours
AMS 326: Popular Culture (3)
AMS 330: American Lives (HU \& C) (3)
AMS 334: Class in America (SB) (3)
AMS 335: American Biography (3)
AMS 336 / ENG 334 / ETH 334: The American Southwest in Literature and Film ((L or HU) \& C) (3)
AMS 353 / ENG 353 / ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) \& C) (3)
AMS 354 / ENG 354 / ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) \& C) (3)
AMS 412: Studies in American Politics \& Law (3)
AMS 428 / ETH 428 / LAS 428: Chicano Cultures in the Southwest (SB) (3)
AMS 450 / ETH 450 / LAS 450: Latina/os, Schooling and Social Inequality (C) (3)
ENG 337: Major American Novels (L or HU) (3)
ENG 432: The American Renaissance (HU) (3)
HST 320: U.S. Urban History since 1850 (SB \& H) (3)
HST 413: Contemporary America ((L or SB) \& H) (3)
REL 321: Religion in America ((L or HU) \& C \& H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

The minor in American studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/american-studies-minor
FAB N100
harcsadvising@asu.edu
602-543-3000

## Anthropology Minor (LAASBMIN)

Campus: Tempe, Online

## Description:

The minor program in anthropology provides students with a great deal of flexibility in selecting courses. The program has been designed to allow students to focus on areas within the discipline that articulate well with their major. All students interested in the anthropology minor are encouraged to discuss the options available with a School of Human Evolution and Social Change undergraduate advisor.

The anthropology minor requires a minimum of 18 credit hours, at least 12 of which must be upper division. Only courses completed with a grade of "C" (2.00 on a 4.00 scale) can be used to fulfill minor requirements.

Required Introductory Courses (choose two) -- 6 credit hours
ASB 102: Introduction to Cultural Anthropology (SB \& G) (3)
ASB 222: Buried Cities and Lost Tribes ((HU or SB) \& H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) \& G \& H) (3)
ASM 104: Bones, Stones, and Human Evolution (SB or SG) (4)

Upper Division Subfield Courses -- 12 credit hours
Students choose 12 upper division credit hours from the subfields of archaeology, evolutionary anthropology and sociocultural anthropology (including linguistics). The particular required introductory courses selected may limit the courses available for use as subfield courses. At least two of the three subfields must be represented. (12)

Archaeology Subfield
ASB 301: Global History of Health (SB \& G \& H) (3)
ASB 335: Ancient Ruins of the Southwest (SB \& H \& C) (3)
ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) \& G \& H) (3)
ASB 368: Hunter-Gatherers (SB) (3)

Physical Subfield
ASB 301: Global History of Health (SB \& G \& H) (3)
ASB 368: Hunter-Gatherers (SB) (3)
ASM 345: Disease and Human Evolution (3)

Sociocultural Subfield
ASB 300: Food and Culture ((L or SB) \& C) (3)
ASB 305: Poverty and Global Health ((L or SB) \& G) (3)
ASB 316: Money and Culture (L or SB) (3)
ASB 327: Disaster! ((L or SB) \& C) (3)
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G) (3)
ASB 378: McGlobalization: Migration, Mass Media and McDonald's ((L or SB) \& C) (3)
ASB 462: Medical Anthropology: Culture and Health (SB \& C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in anthropology; BS in anthropology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Liberal Arts \& Sciences, College of School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

## Description:

The applied biological sciences minor is a rigorous and practical program. Consistent with a polytechnic vision, this minor involves extensive student interaction with faculty through experience-based learning activities, including:

- faculty-guided research and service-learning projects
- field trips
- internships
- laboratories

Mastery of fundamental biological principles is emphasized through quality learning in the classroom and hands-on activities in laboratories and in outdoor settings that include the Sonoran Desert, surrounding ecosystems and the landscape of the greater Phoenix area.

## Program Requirements:

The applied biological sciences minor consists of 23 credit hours.

Required Courses -- 8 credit hours
BIO 181: General Biology I (SQ) (4)
BIO 182: General Biology II (SG) (4)

Electives -- 15 credit hours
ABS Upper Division Elective (9)
ABS Elective (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: All applied biological sciences, biological sciences or biology majors at ASU

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

## Applied Computing Minor (ASACOMIN)

Campus: West

## Description:

The minor in applied computing offered by the School of Mathematical and Natural Sciences combines technical computing skills with an understanding of the impact of computer science in real-world contexts. Coursework in the applied computing minor provides a depth of knowledge in databases, networks and systems and gives students from other disciplines a computational component to their major field of study.
Computational and problem-solving skills are in high demand in a multitude of career fields including cybersecurity, web administration, education and telecommunications.

## Program Requirements:

The minor in applied computing consists of a minimum of 15 credit hours. At least 9 credit hours must be upper division. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Required Courses -- 15 credit hours
ACO 201: Data Structures and Algorithms (CS) (3)
ACO 240: Introduction to Programming Languages (3)
ACO 320: Database Systems (3)
ACO 330: Computer Networks (3)
ACO 350: Systems Programming (CS) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.50

Majors Ineligible to Add This Minor: BS in applied computing

Other Enrollment Requirements: A "C" or better is required in ACO 102 Object-Oriented Programming and MAT 210 Brief Calculus in order to enroll in the required minor course, ACO 201.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/applied-computing-minor
FAB N100
MNSadvising@asu.edu
602-543-3000

## Applied Mathematics Minor (LSAPMMIN)

Campus: Polytechnic

## Description:

The minor in applied mathematics in the College of Integrative Sciences and Arts at the Polytechnic campus is designed to enable students to understand and apply mathematics most commonly used in the fields of business, economics, engineering, physics, computer sciences, life sciences, social sciences and sustainability. The minor is recommended for students who plan to major in these diverse fields, are preparing for further graduate study or who wish for increased employment options. The coursework explores the study of advanced applied mathematical topics with an emphasis on applied sciences. Students with a minor in applied mathematics learn to use theories and techniques, such as mathematical modeling, computational methods and statistics to resolve practical, real-world problems.

## Program Requirements:

The applied mathematics minor consists of 21 credit hours, including:
Required Courses -- 9 credit hours
MAT 265: Calculus for Engineers I (MA) or MAT 270: Calculus with Analytic Geometry I (MA) (3-4)
MAT 266: Calculus for Engineers II (MA) or MAT 271: Calculus with Analytic Geometry II (MA) (3-4)
MAT 275: Modern Differential Equations (MA) (3)

Electives -- 12 credit hours
MAT 267: Calculus for Engineers III (MA) or MAT 272: Calculus with Analytic Geometry III (MA) (3-4)
MAT 300: Mathematical Structures (L) (3)
MAT 310: Introduction to Geometry (3)

MAT 343: Applied Linear Algebra (3)
MAT 495: Supervised research in mathematical sciences (3)
MAT 499: Individualized Instruction (3)
STP 420: Introductory Applied Statistics (CS) (3)

At least six upper-division credit hours in elective courses must be offered by the College of Integrative Sciences and Arts.
A minimum of 12 credit hours of the minor must be ASU credit
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00
Majors Ineligible to Add this Minor: None
Other Enrollment Requirements: MAT 170 or 171 with a " C " or better, OR Mathematics Placement Test with a score of 60 percent or higher and the Advanced Math Placement Test with a score of 38 or higher, OR ALEKS score of 76 or higher

The minor in applied mathematics is open to all ASU undergraduate majors. Students should consult an advisor in the department of their major to determine if the minor is consistent with their educational goals and to be recognized in their particular major.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

## Applied Psychology Minor (ECPSYMIN)

Campus: Polytechnic

## Description:

Americans spend more than 54 percent of their waking hours at work. As a result, students who want to make a real impact on peoples' lives are beginning to use industrial and organizational psychology to focus on the psychology of work. Industrial and organizational psychology helps employers identify the right job candidates to hire, determine the best job fit for each worker, and design enjoyable and effective workplaces, taking into account work-life balance. Finally, one specialty, human factors, focuses on designing tools and products that are easy to use and that reduce human error.

In addition to a strong educational foundation in human learning, memory, emotion, judgment and social psychology that prepares students for employment or graduate school, students can choose to focus in two of the following five focus areas:

- consumer psychology
- human resources and organizational behavior
- human systems engineering
- learning technology
- user experience


## Program Requirements:

## Enrollment Requirements:

GPA Requirement: 2.00 and at least junior status.

Other Enrollment Requirements: Interested students should consult with a Polytechnic School advisor to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, go to https://fultonapps.asu.edu/advising (https://fultonapps.asu.edu/advising).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Human Systems Engineering
http://poly.engineering.asu.edu/
WANER 230
technology@asu.edu
480-727-1874

## Arabic Studies Minor (LAARBMIN)

Campus: Tempe

## Description:

The minor program in Arabic studies provides students with instruction in Modern Standard Arabic as well as Arab culture and literature. Students who successfully complete the prescribed coursework of the Arabic minor are expected to be able to communicate effectively in Arabic and interact with native speakers of the language. Students will be able to communicate in Arabic in the other two areas of language acquisition as well, reading and writing, through reading authentic material in Arabic and writing paragraphs in Modern Standard Arabic.

Literature courses expand students' knowledge in Arabic, the Middle East and Islamic culture and civilization. Students of all academic disciplines doing research or seeking employment in areas related to the Middle East or other parts of the Arab world will find the minor in Arabic highly beneficial.

Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Students should visit https://mystudyabroad.asu.edu (https://mystudyabroad.asu.edu) for more information.

## Program Requirements:

The minor in Arabic studies requires 26 credit hours of courses detailed below. A minimum grade of " C " ( 2.00 on a 4.00 scale) or better is required in each course. Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 23 credit hours
ARB 201: Intermediate Arabic I (G) (4)
ARB 202: Intermediate Arabic II (G) (4)
ARB 311: Advanced Arabic Skills I (3)
ARB 331: Arabic/Islamic Culture and Literature (HU \& H \& G) (3)
ARB 411: Advanced Arabic Skills II (3)
Choose one of the following:
ARB 341: Quran Text and Women (HU \& H) (3)
ARB 351: Classical Arabic Literature (3)
Choose one of the following:
ARB 352: Modern Arabic Literature in Translation (3)
ARB 422: Advanced Arabic Media (3)

Related Area (choose one) -- 3 credit hours
AFR 372: Islam and Islamic Societies in Africa: Social and Political History (G) (3)
AFR 373: Islam and World Affairs (G) (3)
AFR 480: Different Voices Within Contemporary Islamic Discourse (3)
ARB 321: Arabic Conversation I (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 336: Introduction to the Qur'an (3)
ARB 337: Hadith and Prophetic Tradition (3)
ARB 341: Quran Text and Women (HU \& H) (3)
ARB 351: Classical Arabic Literature (3)
ARB 352: Modern Arabic Literature in Translation (3)
ARB 421: Arabic Conversation II (3)

ARB 422: Advanced Arabic Media (3)
HST 372: Modern Middle East (SB \& G \& H) (3)
REL 365: Islamic Civilization (HU \& H) (3)
REL 366: Islam in the Modern World (HU \& G) (3)

Students may need to complete the sequence of elementary Arabic, ARB 101 and ARB 102, as prerequisite courses. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00
Majors Ineligible to Add This Minor: BA in International letters and cultures (Arabic studies)
Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/content/arabic
LL 440
silcadvising@asu.edu
480-965-6281

## Architectural Studies Minor (ARSTDMIN)

Campus: Tempe

## Description:

The architectural studies minor is available to nonarchitecture majors interested in this field. The courses are designed to provide an overview of architecture throughout history while focusing on architectural design, with the intention to explore the process of design thinking.

## Program Requirements:

A minimum of 18 credit hours (to include 12 credit hours of upper-division course work) are required for the minor. A minimum grade of " C " ( 2.00 ) is required in all classes for the minor.
A minimum GPA of 2.50 in minor courses is required to earn the minor in architectural studies.

Required Courses -- 12 credit hours
ALA 100: Introduction to Environmental Design (HU \& H \& G) (3)
ALA 102: Landscapes and Sustainability (HU \& G) (3)
APH 313: History of Architecture I ((L or HU) \& G \& H) (3)
APH 314: History of Architecture II ((L or HU) \& G \& H) (3)

Architectural History and Theory -- 6 credit hours
Six additional upper-division credit hours of electives in the architectural history and theory concentration must be selected from the following list:
ANP 494: Special Topics (3)
APH 394: Special Topics (3)
APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU \& H) (3)
APH 414: Great Cities ((L or HU) \& H) (3)
APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU) (3)
APH 441: Ancient Arch (3)
APH 494: Special Topics (3)
APH 499: Individualized Instruction (1-3)
Notes: APH 499 requires a petition to The Design School.
ARP 451: Architecture Field Studies (1-6)
ATE 494: Special Topics (3) minor.

## Enrollment Requirements:

GPA Requirement: 2.50

Majors Ineligible to Add This Minor: BSD in architectural studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for The Design School
http://herbergerinstitute.asu.edu/degrees/
CDN 162
herbergeradvising@asu.edu
480-965-3536

## Art History Minor (FAARTHMIN)

Campus: Tempe, Online

## Description:

The art history minor is designed for students who are interested in a broad introduction to the study of the history of art. In giving a broad chronological exposure to the history of art from diverse cultures, the minor program strengthens academic preparation and provides students with many options to select courses based on their individual interests.

## Program Requirements:

The School of Art offers a minor in art history consisting of 18 credit hours of course work, including 12 upper-division electives. A minimum grade of "C" (2.00) is required in all classes for the minor. For those pursuing a minor, a minimum overall GPA of " C " (2.00) is required. Courses may not be double counted in a major and the minor, and a minimum of 12 credit hours of resident credit at ASU are required.

ARS 100 and ARS 300 may not be used toward an art history minor if the student has credit in ARS 101 and ARS 102. If a student has completed ARS 100 or ARS 300, then they must complete ARS 201 and ARS 202 instead of ARS 101 and 102.

Core Courses -- 6 credit hours
ARS 101: Art from Prehistory Through Middle Ages (HU \& H) (3)
ARS 102: Art from Renaissance to Modernism (HU \& H) (3)

Art History Upper Division Courses -- 12 credit hours
ARS Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA in art (art history)

Other Enrollment Requirements: None
pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-history-museum-studies
ART 102
herbergeradvising@asu.edu
480-965-8521

## Asian Languages (Chinese) Minor (LACHIMIN)

Campus: Tempe

## Description:

Students pursuing a minor in Asian languages (Chinese) gain an understanding of the language, literature and cultures of China. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Highly motivated students interested in learning Chinese to professional-level proficiency, while simultaneously pursuing the Asian languages (Chinese) minor and undergraduate major of their choice, are encouraged to apply to the Chinese Language Flagship Program: https://international.clas.asu.edu/chineseflagship (https://international.clas.asu.edu/chineseflagship).

## Program Requirements:

The minor in Asian languages (Chinese) consists of 18 credit hours, of which 12 credit hours must be upper-division.
Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 16 credit hours
CHI 201: Second-Year Chinese I (G) AND CHI 202: Second-Year Chinese II (G) (6)
Notes: Both second-year Chinese courses grant 5 credit-hours each. The extra 4 credits earned will be applied to the 120 credit hours minimum for graduation.
CHI 301: Third-Year Chinese I (G) (5)
CHI 302: Third-Year Chinese II (G) (5)

Upper-division CHI Coursework -- 2 credit hours
All of the upper-division CHI courses in this list are 3 credit hours. The extra 1 credit earned will be applied to the 45 minimum upper-division credit hours requirement.
CHI 307: Introduction to Literary Chinese I (HU) (3)
CHI 308: Introduction to Literary Chinese II (HU) (3)
CHI 321: Chinese Literature (HU) (3)
CHI 322: Chinese Literature (HU \& G) (3)
CHI 333: China (SB \& H) (3)
CHI 335: History of Chinese Medicine (HU \& H \& G) (3)
CHI 336: Interpreting China's Classics ((L or HU) \& H) (3)
CHI 338: The Daoist Bible: The Daode jing (HU \& L) (3)
CHI 345: Chinese Film and Civilization (3)
CHI 348: Pathways into Chinese Culture (3)
CHI 380: The Chinese Language (3)
CHI 401: Fourth-Year Chinese I (G) (3)
CHI 402: Fourth-Year Chinese II (G) (3)
CHI 407: Chinese for Academic and Professional Purposes I (G) (3)
CHI 408: Chinese for Academic and Professional Purposes II (G) (3)
CHI 451: Chinese Cultural History I ((HU or SB) \& H) (3)
CHI 452: Chinese Cultural History II (SB \& G \& H) (3)
CHI 461: Readings in Traditional Chinese Literature I (3)
CHI 462: Readings in Traditional Chinese Literature II (3)
CHI 470: Modern Chinese Literature and Culture (3)
minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA in Asian languages (Chinese); BA in Asian languages (Chinese) --- Chinese flagship; BA in business (Chinese language and culture)

Other Enrollment Requirements: None

Students who wish to add a minor in Asian Languages (Chinese) to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/asian-languages-chinese
LL 440
silcadvising@asu.edu
480-965-6281

## Asian Languages (Japanese) Minor (LAJPNMIN)

Campus: Tempe

## Description:

Students pursuing a minor in Asian languages (Japanese) gain an understanding of the language, literature and cultures of Japan. There are opportunities to partake in study abroad programs, which can serve to enhance a student's minor experience and education. Students should go to https://mystudyabroad.asu.edu (https://mystudyabroad.asu.edu) for more information.

## Program Requirements:

The minor in Asian languages (Japanese) consists of 18 credit hours, of which 12 credit hours must be upper-division.
Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses -- 12 credit hours
JPN 301: Third-Year Japanese I (G) (https://webapp4.asu.edu/catalog/courselist?s=JPN\&I=200-299\&t=2187\&hon=F" > JPN 2** Elective (6)
JPN 302: Third-Year Japanese II (G) (3)

Upper-division JPN Courses (Select two) -- 6 credit hours
JPN 309: Japanese Oral Communication I (3)
JPN 310: Japanese Oral Communication II (3)
JPN 311: Japanese Composition I (G) (3)
JPN 312: Japanese Composition II (G) (3)
JPN 315: The Language of Japanese Popular Culture I: Gender and Onomatopoeia/Mimesis (G) (3)
JPN 316: The Language of Japanese Popular Culture II: Honorifics and Dialects (G) (3)
JPN 394: Special Topics (3)
JPN 401: Reading Modern Japanese Texts I ((L or HU) \& G) (3)
JPN 414: Introduction to Classical Japanese (3)
JPN 445: Readings in Modern Japanese Letters and Culture (3)
JPN 485: Literary Translation: Theory and Practice (3)
JPN 494: Special Topics (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA in Asian languages (Japanese)

Other Enrollment Requirements: None

Students who wish to add a minor in Asian Languages (Japanese) to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LAJPNMIN/undergrad/true
LL 440
silcadvising@asu.edu
480-965-6281

## Asian Pacific American Studies Minor (LAAPAMIN)

Campus: Tempe

## Description:

The Asian Pacific American studies minor program focuses on the long history and rich contemporary experiences, cultures and communities of Asian Pacific Americans in the Southwest. This minor will benefit students pursuing careers involving the complex and rapidly changing Asian American and Pacific Islander populations and other culturally diverse populations.

## Program Requirements:

The minor in Asian Pacific American studies requires a total of 18 credit hours, including six credit hours of core courses and 12 elective credit hours selected from courses with the APA prefix. A minimum of nine credit hours must be taken in residency at ASU. All courses must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or higher.

Required Core Courses -- 6 credit hours
APA 200: Introduction to Asian Pacific American Studies ((HU or SB) \& C) (3)
APA 360: Asian Pacific American Experience ((HU or SB) \& C) (3)

Elective Courses (Choose four) -- 12 credit hours
APA 210: Introduction to Ethnic Studies in the U.S. (C) (3)
APA 310: Asian Pacific American Arts and Cultures (HU \& C) (3)
APA 315: Asian Pacific American Literature (HU \& C) (3)
APA 330: Asian Pacific American Genders and Sexualities ((L or SB) \& C) (3)
APA 340: Asian Pacific Americans and Media (HU \& C) (3)
APA 345: Asian Pacific Americans and Film (HU \& C \& H) (3)
APA 360: Special Topics (3)
APA 450: Asian Pacific American Contemporary Issues (SB \& C) (3)
APA 484: Internship (3)
APA 499: Individualized Instruction (3)

A minimum of nine credit hours must be upper-division course work.
No course may be used to satisfy more than one requirement in the minor.
APA 360 Asian Pacific American Experience is required for the core. The course may be repeated for APA elective credit under different topics. APA 450 is repeatable for APA elective credit provided the course topics are different.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in Asian Pacific American studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/asian-pacific-american-studies-minor
WILSN 125
SSTadvising@asu.edu
480-965-7682

## Astronomy Minor (LAASTMIN)

Campus: Tempe

## Description:

The astronomy minor is designed for students interested in developing a basic understanding of astronomy and astrophysics and in analyzing issues through a scientific viewpoint.

## Program Requirements:

The minor in astronomy consists of a minimum of 24 credit hours. At least 12 credit hours must be upper-division courses. All courses must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or better.

Required Courses -- 8 credit hours
AST 113: Astronomy Laboratory I (SQ) (1)
AST 114: Astronomy Laboratory II (SQ) (1)
AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) (3)
AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ) (3)

Physics Core -- 8 credit hours
PHY 150: Physics I (SQ) or PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) (4)
PHY 151: Physics II (SQ) or PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) or
PHY 252: Physics III (SQ) (4)
Student must complete two semesters of physics

Electives -- 8 credit hours
AST OR MAT OR PHY OR SES Upper Division Elective (8)
Eight upper division credit hours of electives are chosen in consultation with an academic advisor in the School of Earth and Space Exploration In order to satisfy SQ natural science general studies requirements, both a lecture and its corresponding laboratory section must be completed. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements: <br> GPA Requirement: None

Majors Ineligible to Add This Minor: BS in earth and space exploration (astrophysics); BA in physics; BS in physics

Students interested in adding a minor in astronomy should contact an advisor in the School of Earth and Space Exploration to get information about the minor. Students will then work with the advisor in their major to have the minor officially added to their program.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-advising@asu.edu
480-965-5081

## Astrophysics Minor (LAASTPHMIN)

Campus: Tempe

## Description:

The astrophysics minor is designed for students interested in developing a background in the theoretical modeling and observational techniques of galactic and stellar astronomy, extragalactic astronomy and cosmology. Students completing the minor will be able to think critically about scientific problems, reducing complex problems to their most important attributes, and to design experiments, observations and theoretical models that address those attributes. Students pursuing an astrophysics minor are expected to have a strong background in physics and mathematics.

## Program Requirements:

The minor in astrophysics consists of a minimum of 20 credit hours. At least 12 credit hours must be upper division. Students complete 12 credit hours of required course work and select one of three eight-credit hour options to complete the minor. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher

Required Courses -- 12 credit hours
AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) (3)
AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ) (3)
AST 421: Astrophysics I (3)
AST 422: Astrophysics II (3)

Electives Options -- 8 credit hours
Choose one of the following options for the additional eight credit hours. (8)

Option 1
SES 121: Earth, Solar System and Universe (SQ) (3)
SES 122: History of the Earth and Solar System (3)
SES 123: Earth, Solar System and Universe Laboratory (SQ) (1)
SES 124: History of the Earth and Solar System Laboratory (1)

Option 2
AST 111: Introduction to Solar Systems Astronomy (SQ) (3)
AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) (3)
AST 113: Astronomy Laboratory I (SQ) (1)
AST 114: Astronomy Laboratory II (SQ) (1)

Option 3
AST OR MAT OR PHY OR SES Upper Division Elective (8)

In order to satisfy SQ natural science requirements, both a lecture and its corresponding laboratory section must be completed.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in earth and space exploration (astrophysics)

Other Enrollment Requirements: None

Students interested in adding a minor in astrophysics should contact an advisor in the School of Earth and Space Exploration to get information about the minor. Students will then work with the advisor in their major to have the minor officially added to their program.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-advising@asu.edu
480-965-5081

## Biochemistry Minor (LABCHMIN)

Campus: Tempe

## Description:

The biochemistry minor is designed to give students majoring in other disciplines a solid grounding in the basics of biochemistry to complement their major degree program. It is especially appropriate for students whose majors are in the various disciplines of life sciences, physics, engineering and geology and for students planning careers in the fields of medicine and health.

## Program Requirements:

The minor in biochemistry comprises 28 credit hours of required courses, of which at least 12 credit hours must be completed at the upper-division level. Six of the twelve upper division credit hours must be from courses offered by the College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 28 credit hours
BCH 341: Physical Chemistry with a Biological Focus (3)
Notes: Prerequisites for BCH 341 include CHM 114, 116 or 118 with " C " or better; CHM 231, 233 or 333 with " C " or better; MAT 251 , 265 or 270 with "C" or better; and PHY 101, 112 or 131 with " C " or better.

BCH 461: General Biochemistry (3)
BCH 462: General Biochemistry (3)
BCH 467: Analytical Biochemistry Laboratory (L) (3)
CHM 113: General Chemistry I (SQ) OR CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) (4)
Notes: Students completing CHM 117 must also complete its corresponding CHM 111 lab.
CHM 116: General Chemistry II (SQ) OR CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) (4)
Notes: Students completing CHM 118 must also complete its corresponding CHM 112 lab.
CHM 233: General Organic Chemistry I (3)
CHM 234: General Organic Chemistry II (3)
CHM 237: General Organic Chemistry Laboratory I (1)
CHM 238: General Organic Chemistry Laboratory II (1)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in applied biological sciences (all concentrations); BS in biochemistry (medicinal chemistry); BS in chemistry (environmental chemistry); BS in forensics; BS in health sciences preprofessional; BS in human nutrition and nutrition; BS in biochemistry; BA in biochemistry; BS in chemistry; BA in chemistry

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu
PSD 106
SMSadvising@asu.edu
480-965-7667

## Biological Sciences Minor (LABIOMIN)

Campus: Tempe

## Description:

Biological science encompasses the study of all living things and includes the study of basic organization and function, how organisms evolve, their roles in the natural environment, how hereditary information is transferred and the development of biotechnology. The biological sciences minor is designed to provide students interested in the field with a flexible curriculum that can be tailored to their interests.

## Program Requirements:

The minor in biological sciences requires a minimum of 24 credit hours, of which at least 12 credit hours must be upper-division. At least six of the upper-division credit hours must be from courses offered by the College of Liberal Arts and Sciences.

Students choose one of two options. The remaining elective credit hours may be chosen from those courses in the life sciences that can be used toward the majors offered by the school. Internship courses cannot be used.

Option 1 -- 15 credit hours
BIO 281: Conceptual Approaches to Biology for Majors I (SQ) (4)
BIO 282: Conceptual Approaches to Biology for Majors II (4)
BIO 340: General Genetics (4)
BIO 345: Evolution (3)

Option 2 -- 16 credit hours
BIO 281: Conceptual Approaches to Biology for Majors I (SQ) (4)
BIO 282: Conceptual Approaches to Biology for Majors II (4)
BIO 340: General Genetics (4)
MIC 206: Microbiology Laboratory (SG) (1)
MIC 220: Biology of Microorganisms (3)

BIO or MIC electives -- 9 credit hours
BIO or MIC electives (\#trackgroup) (9)
Students choosing Option 1 will complete nine credit hours in electives selected from the BIO or MIC prefixes, at least five credit hours of which must be upper division.
Students choosing Option 2 will complete eight credit hours of BIO or MIC electives, all of which must be upper division credit hours.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in biological sciences (all concentrations)
This minor is not available to students majoring in the life sciences.

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu/
LSA 131
sols.advising@asu.edu
480-727-6277

## Biology Minor (ASLSCMIN)

Campus: West

## Description:

A minor in biology can be a valuable asset, particularly when paired with an appropriate major. For instance, a minor in biology paired with a major in political science would provide a good background for someone who wanted to practice environmental law.

## Program Requirements:

The minor in biology consists of 28 credit hours. A minimum of eight upper division credit hours must be completed through courses offered by the School of Mathematical and Natural Sciences. Course work taken to fulfill the requirements of the minor my not be used to fulfill requirements for your major. Consult with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a " C " (2.00) or better.

Required Courses -- 28 credit hours
BIO 181: General Biology I (SQ) (4)
BIO 182: General Biology II (SG) (4)
BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory (4)
BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory (4)
CHM 113: General Chemistry I (SQ) (4)
CHM 116: General Chemistry II (SQ) (4)
LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory (4)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA and BS in biology; BA and BS in environmental science; BS in biology (environmental science); BS in biology (pharmacology/toxicology); BS in biotechnology and bioenterprise; BS in forensic science; BS in pharmacology and toxicology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/biology-minor
FAB N100
mnsadvising@asu.edu
602-543-3000

## Business Minor (BABUSMIN)

Campus: Tempe, Online

## Description:

A minor in business is available to students who are interested in business courses but wish to pursue majors in other colleges. The courses available for the minor are designed to appeal to and inform the nonbusiness student while covering a broad range of topics that are important to managers, such as:

- accounting
- computer information systems
- economics
- finance
- management
- marketing
- supply chain management


## Program Requirements:

Students must complete 18 credit hours (12 of which must be upper division) of the specified business courses with a grade of " C " (2.00) or higher in each course. At least 12 credit hours must be taken at ASU.
No more than 6 credit hours can share between the minor and other business certificates and minors.
The upper-division courses specified for the minor will be restricted to students with 56 earned credit hours and a minimum 2.00 ASU cumulative GPA.
Business students are not eligible to apply for the minor. Economics majors must use ECN 212 in their degree and will take an additional elective to replace ECN 212 in the minor.

Required Courses -- 15 credit hours
ACC 382: Accounting and Financial Analysis (3)
*ACC 231 will substitute for ACC 382.
ECN 211: Macroeconomic Principles (SB) or ECN 212: Microeconomic Principles (SB) (3)
FIN 380: Personal Financial Management (3)
MGT 380: Management and Strategy for Nonmajors (3)
MKT 390: Essentials of Marketing (3)

Elective (select one) -- 3 credit hours
AGB 420: Food Advertising and Promotion (3)
AGB 445: Food Retailing (3)
AGB 456: Food Product Innovation and Development (3)
CIS 300: Web Design and Development (3)
CIS 308: Advanced Excel in Business (3)
ECN 211: Macroeconomic Principles (SB) or ECN 212: Microeconomic Principles (SB) (3)
FIN 331: Financial Markets and Institutions (3)
LES 380: Consumer Perspective of Business Law (3)
MKT 391: Essentials of Selling (3)
MKT 395: Essentials of Advertising and Marketing Communication (3)
REA 380: Real Estate Fundamentals (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

This minor is open to non-W. P. Carey majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees/business-minor
BA 160
wpcareyug@asu.edu
480-965-4227

## Chemistry Minor (ASCHMMIN)

Campus: West

## Description:

The minor program in chemistry offered by the School of Mathematical and Natural Sciences gives students expanded proficiency in the area of chemistry. Many of the growing career fields, such as forensic sciences, medicine and environmental quality, require a greater degree of chemistry than in the past. Therefore, students with a greater chemistry background have a competitive advantage in these fields. The chemistry minor gives students more experience in the advanced and integrative fields of chemistry through additional biochemistry and analytical chemistry courses. The awarding of the chemistry minor highlights the students' expanded chemistry knowledge to future schools and employers.

## Program Requirements:

The minor in chemistry consists of 25 credit hours. A minimum of nine credit hours must be taken through the School of Mathematical and Natural Sciences. All courses used to satisfy requirements for the minor must be passed with a " C " (2.00).

Required Courses -- 25 credit hours
BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory (4)
CHM 113: General Chemistry I (SQ) (4)
CHM 116: General Chemistry II (SQ) (4)
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I (4)
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II (4)
LSC 425: Analytical Chemistry for Life Sciences AND LSC 426: Analytical Chemistry for Life Sciences Lab (5)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA and BS in biology; BA and BS in environmental science; BS in biology (pharmacology/toxicology); BS in biology (environmental science); BS in biotechnology and bioenterprise; BS in forensic science; BS in pharmacology and toxicology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/chemistry-minor
FAB N100
mnsadvising@asu.edu
602-543-3000

## Chemistry Minor (LACHMMIN)

Campus: Tempe

## Description:

The chemistry minor is designed to give students majoring in other disciplines a solid grounding in the basics of chemistry in order to complement their major degree. It is especially appropriate for students whose majors are in the various disciplines of physics, materials science, geology, engineering and life sciences.

## Program Requirements:

The minor in chemistry comprises 28 credit hours of required courses, of which at least 12 credit hours must be completed at the upper-division level. Six of the 12 upper division credit hours must be taken from courses offered by the College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 20 credit hours
CHM 113: General Chemistry I (SQ) OR CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) (4)
Notes: Students who complete CHM 117 must also complete the corresponding CHM 111 lab.
CHM 116: General Chemistry II (SQ) OR CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) (4)
Notes: Students who complete CHM 118 must also complete the corresponding CHM 112 lab.
CHM 233: General Organic Chemistry I (3)
CHM 234: General Organic Chemistry II (3)
CHM 237: General Organic Chemistry Laboratory I (1)
CHM 238: General Organic Chemistry Laboratory II (1)
CHM 325: Analytical Chemistry (3)
CHM 326: Advanced Analytical Chemistry Laboratory (1)

Options -- 8 credit hours
Choose one of the following options for the additional 8 credit hours. (8)

Option 1
BCH 361: Advanced Principles of Biochemistry (3)
BCH 367: Elementary Biochemistry Laboratory (1)
CHM 341: Elementary Physical Chemistry (3)
Notes: Prerequisites for CHM 341 include CHM 114, 116 or 118 with " C " or better; CHM 231, 233 or 333 with "C" or better; MAT 251, 265 or 270 with "C" or better; and PHY 101, 112 or 131 with " C " or better.
CHM 343: Elementary Physical Chemistry Laboratory (1)

Option 2
CHM 345: Physical Chemistry I (3)
Notes: Prerequisites for CHM 345 include CHM 116 or 118 with "C" or better; CHM 240 or PHY 201 OR both MAT 274 (or MAT 275 ) and MAT 242 (or MAT 342 or 343 ) with " C " or better; MAT 267 or 272 with " C " or better; and PHY 131 or 151 with " C " or better.
CHM 346: Physical Chemistry II (3)
CHM 348: Physical Chemistry Laboratory I (L) (1)
CHM 349: Physical Chemistry Laboratory II (L) (1)

Some courses require prerequisite work in calculus and physics.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00
chemistry); $B S$ and $B A$ in chemistry; $B S$ in chemistry (environmental chemistry); $B S$ in forensics; $B S$ in health sciences preprofessional; $B S$ in nutrition; BS in nutrition (human nutrition)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu
PSD 106
SMSadvising@asu.edu
480-965-7667
Civic and Economic Thought and Leadership Minor (LACELMIN)
Campus: Tempe

## Description:

The minor program in civic and economic thought and leadership examines broad and fundamental concepts and questions across human civilization and the challenges of leadership and statesmanship in the 21 st century world through transdisciplinary study in political philosophy, economic thought, political and intellectual history, and American political thought and constitutionalism. Coursework is augmented by the opportunity for an internship experience, access to world-class scholars and intellectuals in the public affairs and speakers program, and contact with visiting fellows.

The multifaceted perspective and comprehensive educational resources of this program complement related majors to help prepare students for graduate school, to compete for prestigious graduate scholarships, and for leadership roles in the public and private sectors.

## Program Requirements:

The minor in civic and economic thought and leadership requires 18 credit hours, of which 12 credit hours must be upper-division courses. At least 12 credit hours must be taken from ASU. All courses must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or higher.

Required Courses -- 12 credit hours
CEL 100: Great Ideas of Politics and Ethics (3)
CEL 200: Great Debates in American Politics and Economics (3)
CEL 300: Capitalism and Great Economic Debates (3)
CEL 475: Statesmanship and American Grand Strategy (3)
Electives (Choose two) -- 6 credit hours
CEL 305: Classical Political Philosophy and Statesmanship: The Greeks (3)
CEL 320: Modern Political Thought: Origins and Debates about Modern Liberty (3)
CEL 345: Classics of Modern Economic Thought: Smith to Hayek and Beyond (3)
CEL 375: Politics and Leadership in the Age of Revolutions, 1776-1826 (3)
CEL 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA in civic and economic thought and leadership

Other Enrollment Requirements: NA
pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Civic andEconomic Thought and Leadership
https://scetl.asu.edu
DISCVRY 213
scet@asu.edu
480-965-0155

## Communication Minor (HSCMNMIN)

Campus: West

## Description:

The minor program in communication offered by the School of Social and Behavioral Sciences provides students the opportunity to understand the role and function of communication in cultural, public, organizational and relational contexts. The program offers a flexible set of courses and is designed for students majoring in another field.

## Program Requirements:

The minor in communication consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of nine credit hours must be taken through the School of Social and Behavioral Sciences. Students wishing to pursue the minor must meet with an academic advisor to construct a set of courses that reflect a particular area of specialty and interest. All courses must be passed with a minimum grade of " C " (2.00).

Required Courses -- 6 credit hours
COM 100: Introduction to Human Communication (SB) (3)
COM 225: Public Speaking (L) (3)

Upper Division Electives -- 12 credit hours
COM Upper Division Elective (12)
Up to three credit hours of COM 382, 383, 483, 484, 498 or 499 may be applied toward the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA and BS in communication

Other Enrollment Requirements: None

The minor in communication is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of School of Social and Behavioral Sciences
https://newcollege.asu.edu/communication-minor
FAB N100
sbsadvising@asu.edu
602-543-3000

## Communication Minor (LACOMMIN)

Campus: Tempe, Online

## Description:

The minor program in communication focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities.

Our mission statement is: "Through the study and critique of human communication, we generate knowledge, creativity and understanding to facilitate healthy relationships and workplaces, civil and secure communities and constructive intercultural interaction."

## Program Requirements:

The minor in communication consists of 18 credit hours. Nine of the 18 credit hours must be ASU resident credit courses, including six upperdivision credit hours offered by the College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours
COM 100: Introduction to Human Communication (SB) (3)
COM 225: Public Speaking (L) or COM 259: Communication in Business and the Professions (3)

Minor Electives (choose two from the following) -- 6 credit hours
COM 310: Relational Communication (3)
COM 312: Communication, Conflict, and Negotiation (3)
COM 316: Gender and Communication (SB \& C) (3)
COM 323: Communication Approaches to Popular Culture (C) (3)

Related Area -- 6 credit hours
Students complete two related area elective courses from the following subjects
SGS OR APA OR AFR OR TCL OR AIS Upper Division Elective (6)

No pass/fail, "Y" credit or credit/no-credit courses are allowed.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA and BS in communication

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/minors/communicationminor)

## Contact Information:

Liberal Arts \& Sciences, College of
Hugh Downs School of Human Communication
https://humancommunication.clas.asu.edu
STAUF 412
communication@asu.edu
480-965-5095

## Description:

The minor in communication provides exposure to practical and theoretical aspects of communication, focusing on message-based processes that create, maintain and transform identities, relationships, organizations and cultures.

## Program Requirements:

This minor requires 18 credit hours of communication courses.

Required Courses -- 3 credit hours
COM 100: Introduction to Human Communication (SB) (3)

Additional Requirements -- 15 credit hours
COM Upper Division Elective (12)
COM Elective (3)

Six credit hours must be taken from COM courses offered by the College of Integrative Sciences and Arts.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in communication; BA in communication

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
AZCNTR 380
CISA@asu.edu
602-496-0271

## Community Health Minor (NUCHLTMIN)

Campus: Downtown Phoenix, West

## Description:

The minor in community health is designed for students who want to create healthy, sustainable communities.

Community health focuses on the actions and conditions needed for the health and well-being of individuals, families and communities. Students acquire skills to work with teams in diverse settings to formulate research-based strategies that assist individuals, families and communities to make healthy and sustainable lifestyle choices.

## Program Requirements:

This minor requires 18 credit hours.

HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) (3)
HCR 231: Fundamentals of Community Health (3)
HCR 331: Communication within Communities (3)
HCR 335: Program Development and Management for Community Health (3)

A "C" (2.00 on a 4.00 scale) or better is required in all courses.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: minimum 2.00 GPA

Majors Ineligible to Add This Minor: BS in community health

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/non-degree/minors
MERCC 250
CONHI_advising@asu.edu
602-496-0888
Community Sports Management Minor (PPCSMMIN)
Campus: Downtown Phoenix

## Description:

The community sports management minor focuses on the roles that amateur and recreational sports play in a community. Emphasis is on the role of sports across the life span provided through sports organizations and programs that also support community development.

## Program Requirements:

Core Courses -- 12 credit hours
CSM 201: Introduction to Community Sports (3)
Notes: Fall Only
CSM 305: Sports Facility Operations and Management (3)
Notes: Spring Only
CSM 407: Ethics and Legal Issues in Sports (3)
Notes: Fall Only
PRM 315: Community Recreation Systems (3)
Notes: Fall Only

Electives -- 6 credit hours
CSM 335: Sports and Recreation for Youth Development (3)
Notes: Spring Only
CSM 483: Sports Tourism (3)
Notes: Spring Only
CSM 485: Sports Events (3)
Notes: Spring Only
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 310: Volunteer Management (3)
PRM 364: Foundations of Recreation Therapy (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Computational Mathematical Sciences Minor (LACMSMIN) <br> Campus: Tempe

## Description:

The computational mathematical sciences minor offers students a curriculum that includes computer science with coursework in mathematics.

## Program Requirements:

The minor in computational mathematical sciences consists of a minimum of 18 credit hours. At least 12 credit hours must be completed at the upper-division level and all courses must be completed with a grade of " C " (2.00 on a 4.00 scale) or better.

Required Courses -- 18 credit hours
MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)
MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)
MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)
MAT 420: Scientific Computing (3)
MAT 421: Applied Computational Methods (CS) (3)
MAT 423: Numerical Analysis I (CS) or MAT 425: Numerical Analysis II (CS) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science; BS in statistics, BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

## Conflict Resolution Minor (ASCNRMIN)

Campus: West

## Description:

The minor program in conflict resolution introduces students to theories and practices that will enable them to understand, address and transform conflict, while dealing with challenges both at the micro and the macro levels in such contexts as professional, cross-cultural, individual and collective interactions. Having engaged with subject areas in communication and peace studies, students will be ready to pursue further education or careers in business, mediation, advocacy, education, government and law.

## Program Requirements:

The minor in conflict resolution consists of 15 credit hours. A minimum of nine credit hours must be upper-division. Six credit hours must must be taken through the School of Social and Behavioral Sciences. All courses must be passed with a minimum grade of "C" (2.00).

Required Courses -- 15 credit hours
COM 100: Introduction to Human Communication (SB) OR COM 310: Relational Communication
(https://webapp4.asu.edu/catalog/courselist?s=COM\&I=upperdivision\&t=2187\&hon=F" > COM Upper Division Elective (3)
Notes: COM 100 is a prerequisite to COM 310 and COM 312. If COM 100 has already been taken as a major requirement, a COM upper division elective may be substituted.
COM 312: Communication, Conflict, and Negotiation (3)
COM 414: Crisis Communication or COM 415: Risk Communication (3)
PAX 230: Introduction to Peace Studies (G) or JHR 100: Introduction to Social Justice and Human Rights (SB \& G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: Two required courses in the minor have a minimum GPA of 2.00 (COM 310 and COM 312)

Majors Ineligible to Add This Minor: BA in conflict resolution

Other Enrollment Requirements: N/A

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/conflict-resolution-minor
FAB N100
SBSadvising@asu.edu
602-543-3000

## Construction Management Minor (ESCMGMIN)

Campus: Tempe

## Description:

The minor program in construction management is comprised of coursework in construction management processes incorporating the technology and industry practices required to ensure a quality-built environment. Due to industry demands for increased numbers of skilled personnel, this minor will provide much needed supplementary knowledge for architecture, engineering and business majors as well as students majoring in
sustainability.

## Program Requirements:

The minor requires 18 credit hours. The following are courses that must be completed with a grade of " C " $(2.00)$ or higher:

Core Required -- 12 credit hours
CON 244: Working Drawing Analysis (2)
CON 252: Building Construction Methods, Materials, and Equipment or CON 243: Heavy Construction Equipment, Methods and Materials (3)
CON 383: Construction Estimating (4)
CON 448: Sustainable Construction (3)

Elective Courses -- 6 credit hours
CON 453: Construction Project Management I or CON 487: Heavy Construction Project Management (3)
CON 495: Construction Planning and Scheduling (CS) (3)
CON 496: Construction Contract Administration (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in construction management; BSE in construction engineering

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering \& Built Envirnmt
https://ssebe.engineering.asu.edu/construction-management-home/degree-undergrad/
CAVC 437
sebe.advising@asu.edu
480-965-0595

## Counseling and Applied Psychological Science Minor (LSCAPSMIN)

Campus: Polytechnic

## Description:

The minor in counseling and applied psychological science is offered both online and via face-to-face courses on the Polytechnic campus. The minor is open to all ASU undergraduate majors. Counseling and applied psychology coursework focuses on the promotion of psychological wellbeing. Students with a minor in counseling and applied psychological science learn basic counseling skills and techniques to complement a variety of social science and health majors, including psychology, public health, interdisciplinary studies, social work and humanities, among many others.

## Program Requirements:

Required Courses -- 9 credit hours
CAP 120: Introduction to Counseling (SB) (3)
CAP 220: Self in a Multicultural Society (C) (3)
CAP 240: Counseling Skills (3)

Electives -- 12 credit hours
CAP 260: Survey of Careers in Counseling and Applied Psychology (1)
CAP 310: Addictions I: Foundations and Basic Principles (3)
CAP 315: Trauma and Crisis Intervention (3)

CAP 320: Theories of Counseling and Psychotherapy (3)
CAP 325: Professional Practice and Ethics in Counseling (3)
CAP 330: Group Counseling (3)
CAP 340: Multicultural Counseling Theory and Practice (3)
CAP 342: Community Outreach, Prevention and Intervention (3)
CAP 420: School Counseling (3)
CAP 440: Addictions II: Treatment, Recovery and Relapse Prevention (3)
FAS 331: Marriage and Family Relationships (SB) (3)
FAS 370: Family Ethnic and Cultural Diversity (SB \& C) (3)
JUS 305: Principles of Justice Studies (SB) (3)
PSY 315: Personality Theory and Research (SB) (3)
PSY 350: Social Psychology (SB) (3)
PSY 366: Abnormal Psychology (SB) (3)
PSY 369: Biology of Human Sexuality (3)
PSY 385: Psychology of Gender (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/
SANCA 233
cisa@asu.edu
480-727-1526

## Criminology and Criminal Justice Minor (PPCRJMIN)

Campus: Downtown Phoenix, Online

## Description:

The minor in criminology and criminal justice allows students in other undergraduate programs at ASU to explore issues of crime, law and the criminal justice system. The program provides students with the tools to analyze complex issues and policies within the criminal justice system, enhancing students' ability to understand the nature of crime and the system response to law breaking. In addition to the three required courses which provide a solid understanding of the field, each student selects electives to meet his or her specific interests. Criminal justice majors cannot earn a minor in criminal justice.

## Program Requirements:

Program Requirements

1. at minimum, be in junior standing to take upper-division courses.
2. complete CRJ 100 as the prerequisite for all upper-division CRJ courses.
3. complete a minimum of 18 credit hours of graded classroom and online course work (internship or independent study not applicable).
4. complete a minimum of 12 credit hours of CRJ resident credit at ASU.
5. earn a grade of " C " ( 2.00 on a 4.00 scale) or higher for all classes in the minor.
6. meet with a criminal justice advisor prior to registration.

Required Courses -- 6 credit hours
CRJ 100: Introduction to Criminal Justice (SB) (3)
CRJ 225: Introduction to Criminology (SB) (3)

Choose one of the following -- 3 credit hours
CRJ 203: Courts and Sentencing (3)
CRJ 230: Introduction to Policing (3)
CRJ 240: Introduction to Corrections (3)

Choose one of the following -- 3 credit hours
CRJ 305: Gender, Crime, and Criminal Justice (C) (3)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)

CRJ Electives -- 6 credit hours
CRJ Upper Division Elective (6)
Notes: Choose any two CRJ courses at the 300- or higher level.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: minimum 2.00 GPA

Majors Ineligible to Add This Minor: BS in criminology and criminal justice; BS in public service and public policy with the following concentrations: criminology, law and policy, or emergency management and homeland security

Other Enrollment Requirements: None

Applicants are asked to meet with a criminal justice advisor prior to registration.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

Contact Information:
Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
SCCJAdvising@asu.edu
602-496-2356

## Dance Minor (FADANMIN)

## Campus: Tempe

## Description:

The minor program in dance provides a dynamic and culturally diverse learning environment in which students develop their creativity as artists, scholars and educators. The transdisciplinary curriculum promotes creative collaboration and a holistic approach to acquiring skills for successful career transitions. Movement practices, performance and creativity practice define the core of the program. The rich educational experience is further enhanced by studies in

- criticism
- dance cultures
- dance history
- digital media
- movement science
- music
- pedagogy and leadership
- philosophy
- production
- somatics


## Program Requirements:

The minor in dance consists of 18-19 semester hours of course work, including 12 upper-division semester hours. A minimum grade of "C" (2.00) or higher is required in all classes for the minor.

A minimum GPA of 3.00 in minor courses is required to earn the minor in dance.

Choose one course: -- 3 credit hours
DCE 100: Introduction to Dance (HU) (3)
DCE 201: Dance, Culture, and Global Contexts (HU) (3)

Choose one from the following: -- 3 credit hours
DCE 240: Media for Dance (CS) (3)
DCE 300: Moving Histories (HU) (3)
DCE 301: Meaning in Motion (L or HU) (3)
DCE 350: Dance in the Classroom: Learning Through Movement (HU) (3)
DCE 394: Special Topics (3)
Notes: See an Academic Advisor for approved special topics courses.
DCE 402: Ethnography of Dance Practices (L) (3)
DCE 494: Special Topics (3)
Notes: See an Academic Advisor for approved special topics courses.

Choose two from the following: -- 4 credit hours
DCE 110: Argentine Tango I (2)
DCE 111: Raqs Sharqi I (2)
DCE 112: Capoeira I (2)
DCE 113: Dances of Africa I (2)
DCE 114: Dances of India I (2)
DCE 115: Yoga I (2)
DCE 116: T'ai Chi Chuan I (2)
DCE 117: Feldenkrais I (2)
DCE 118: Yoga/Pilates (2)
DCE 120: Modern Dance I (2)
DCE 121: Ballet I (2)
DCE 122: Jazz I (2)
DCE 123: Hip Hop I (2)
DCE 124: Latin/Swing/Ballroom I (2)
DCE 125: Latin/Salsa I (2)
DCE 126: Country-Western (2)
DCE 194: Special Topics (2)
Notes: See an Academic Advisor for approved special topics courses.
DCE 210: Argentine Tango II (2)
DCE 211: Raqs Sharqi II (2)
DCE 216: T'ai Chi Ch'uan II (2)
DCE 220: Modern Dance II (2)
DCE 221: Ballet II (2)
DCE 222: Jazz II (2)
DCE 223: Hip Hop II (2)
DCE 224: Latin/Swing/Ballroom II (2)
DCE 225: Latin/Salsa II (2)
DCE 294: Special Topics (2)
Notes: See an Academic Advisor for approved special topics courses.
DCE 324: Latin/Swing/Ballroom III (2)
Students interested in enrolling in movement courses reserved for Dance majors only must attend the course on the first day of class for placement and instructor permission. Dance major courses: DCE 133 Urban Movement Practices I (2), DCE 134 Postmodern Contemporary I (2), DCE 135 Contemporary Ballet I (2), DCE 136 Somatic Practices I (2).

Choose eight - nine hours of Dance electives (to complete 18-19 hours overall); minor must include 12 upper division hours.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: All dance majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232
fdt@asu.edu
480-965-5337

## Design Studies Minor (ARDSNMIN)

Campus: Tempe

## Description:

Students interested in design can earn a minor in design studies. This minor in design studies is a nonstudio-based program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:

- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

The courses may also appeal to students who wish to pursue the study of design within the BA in interdisciplinary studies.

## Program Requirements:

Courses selected must satisfy the minimum requirement of 18 credit hours for the minor. Twelve of the credit hours must be in 300 -level or $400-$ level course work; the 18 credits may be chosen from any of the categories. To enhance understanding of the subject matter, some of the designated courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which these particular courses are offered. All designated courses for the minor in design studies are lecture courses. To pursue the minor in design studies, students must have a minimum cumulative GPA of 2.50.

Lower Division Design Studies -- 6 credit hours
ALA 100: Introduction to Environmental Design (HU \& H \& G) (3)
ALA 102: Landscapes and Sustainability (HU \& G) (3)
DSC 101: Design Awareness (HU \& G) (3)
EDS 223: Design Thinking (3)
GRA 101: Designing Life (3)
GRA 111: Graphic Design History I (HU) (3)
GRA 112: Graphic Design History II (3)
GRA 225: Communication/Interaction Design Theory (3)
GRA 294: Illustrator (3)
GRA 294: InDesign (3)
GRA 294: Photoshop (3)

IND 242: Materials and Design (3)
IND 243: Design for Ecology and Social Equity (3)
INT 111: Interior Design Issues and Theories (HU) (3)
INT 121: Introduction to Computer Modeling for Interior Design (CS) (3)
INT 123: Introduction to Computer-Aided Design and Building Information Modeling (3)
INT 131: Design and Human Behavior (SB) (3)
LAP 254: Plant Materials (3)

Upper Division Design Studies -- 12 credit hours
APH 313: History of Architecture I ( $($ or HU) \& G \& H) or APH 300: World Architecture I/Western Cultures (HU \& H \& G) (3)
APH 314: History of Architecture II ((L or HU) \& G \& H) (3)
APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU \& H) (3)
APH 414: Great Cities ((L or HU) \& H) (3)
APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU) (3)
APH 494: Special Topics (3)
DSC 394: Design Entrepreneurship \& Society (3)
DSC 494: Special Topics (3)
EDS 301: Contemporary Issues in Design Strategies and Innovation (3)
GRA 345: Design Rhetoric (L) (3)
GRA 401: Creative Environment (3)
GRA 440: Finding Purpose (3)
IND 316: 20th-Century Design I (HU \& H) (3)
IND 317: 20th-Century Design II (HU \& H) (3)
IND 344: Human Factors in Design (3)
IND 354: Principles of Product Design (3)
INT 310: History of Interior Design I (HU \& H) (3)
INT 311: History of Interior Design II (HU \& H) (3)
INT 412: History of Decorative Arts in Interiors (HU) (3)
INT 413: History of Textiles in Interior Design (3)
INT 415: Latin American Design (3)
INT 494: Contemporary Design Issues in Europe (3)
INT 494: Design and Context (3)
LAP 485: International Field Studies (3)
LAP 494: Special Topics (3)
LPH 310: History of Landscape Architecture (HU \& H) (3)
LPH 311: 20th-Century Landscape Architecture (HU) (3)
LPH 394: Special Topics (3)
LPH 494: Special Topics (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.50

Majors Ineligible to Add This Minor: All majors in The Design School as well as design studies and design studies (design management) majors
Other Enrollment Requirements: None
Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for Dean, Herberger Institute for Design and the Arts http://herbergerinstitute.asu.edu
CDS 101
herbergeradvising@asu.edu

## Digital Audiences Minor (CSDAUMIN)

Campus: Downtown Phoenix, Online

## Description:

The minor program in digital audiences aims to answer the following questions: Who are digital consumers? How can we measure them? And how can we use what we know to better engage and grow audiences?

By exploring the users of websites, social networks and apps and applying skills such as analytics, social media execution, network analysis, search engine optimization and search engine marketing, students who pursue the digital audiences minor gain a rich understanding of how to acquire and engage audiences.

The program uses real cases from real brands and organizations to explore tools from Google Analytics to Facebook Audience Insights, and tactics from hashtag analysis to competitive keyword research. Upon completion, students have the skills to strategically grow digital audiences and harness analytics to drive organizational change.

## Program Requirements:

Students must complete MCO 307 first. In order to enroll in the course, students must have a 2.00 cumulative GPA.
To be awarded the minor, students must earn a " C " or better in all courses.

Required Courses -- 15 credit hours
MCO 307: The Digital Audience (3)
MCO 436: Audience Research and Behavior (3)
MCO 437: Audience Acquisition and Engagement (3)
MCO 438: Digital Audience Analysis (3)
MCO 439: Digital Audience Growth (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add this Minor: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor or the department offering the minor for more information: https://cronkite.asu.edu/undergrad/minor-digital-audiences (https://cronkite.asu.edu/undergrad/minor-digital-audiences).

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm https://cronkite.asu.edu/undergrad/minor-digital-audiences
CRONK 222
cronkiteadvising@asu.edu
602-496-5055
Digital Culture Minor (HIDGCMIN)
Campus: Tempe

## Description:

The digital culture minor allows students to enhance their program of study with integrated, interdisciplinary training in creative processes and technical skills in new media with cultural applications. Students develop both the technical skills to create computational media and the cultural skills to know when or why to apply them. Students in the digital culture minor learn to:

- Create computational media: computation combined with objects, sound, video, time, space, culture and bodies.
- Breathe behavior into media, objects or systems by programming
- Think critically about how computation impacts our lives, and how culture makes a difference in how people experience computational media, a critical skill in the dynamic 21st century.

Armed with skills and judgment, digital culture graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All digital culture students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21 st century. Some students go on to invent fresh techniques.

## Program Requirements:

The digital culture minor requires 21 credit hours (12 upper-division) in four areas.

Required Digital Culture Studies Courses -- 6 credit hours
AME 111: Introduction to Digital Culture (CS) (3)
AME 112: Computational Thinking for Digital Culture or AME 230: Programming for the Media Arts (CS) (3)

Digital Culture Studies -- 3 credit hours
AME 112: Computational Thinking for Digital Culture (3)
AME 130: Prototyping Dreams (L) (3)
AME 210: Media Editing (3)
AME 244: Introduction to Interactive Environments (3)
AME 310: Media Literacies and Composition (3)
AME 320: Motion Capture for Integrative Systems (3)
AME 330: Digital-Physical Systems (3)
AME 340: Compositional and Computational Principles for Media Arts (3)
AME 394: Media Theatre (3)
AME 410: Interactive Materials (3)
AME 430: Mac Development for Media Arts (3)
AME 435: Mobile Development (3)
AME 444: Media Installations (3)
AME 470: Programming for Social and Interactive Media (3)
AME 494: Animating Virtual Worlds (3)
AME 494: Rapid Prototyping through Somatic Research (3)
ANP 394: Digital Modeling and Fabrication (3)
ART 218: 3D Tools (3)
ART 244: Introduction to Interactive Environments (3)
DCE 294: HybridAction:PhysicallntelligenceinDigitalCulture (3)
PSY 324: Memory and Cognition (3)

Digital Media - Media Arts and Design -- 6 credit hours
ART 194: Digital Art and Culture (3)
ART 206: Digital Photography I: The Still Image in Digital Culture (3)
ART 217: Introduction to Computer Animation (3)
ART 494: Visual Prototyping (1)
EEE 307: Signal Processing for Digital Culture (3)
FMP 240: Introduction to Animation for Film (3)
FMP 394: Non-Linear Editing for Film and Media (3)
IAP 103: Foundations I: Interdisciplinary Digital Media (3)
IAP 104: Foundations I: Fundamentals of Sound Art (3)
MDC 211: Introduction to Digital Sound (3)
MDC 311: Composing and Performing for Hybrid Ensembles (3)

Related Digital Culture or Historical/Theoretical -- 3 credit hours
ALA 100: Introduction to Environmental Design (HU \& H \& G) (3)
ALA 102: Landscapes and Sustainability (HU \& G) (3)
APH 300: World Architecture I/Western Cultures (HU \& H \& G) (3)
APH 313: History of Architecture I ((L or HU) \& G \& H) (3)

APH 314: History of Architecture II ((L or HU) \& G \& H) (3)
APH 336: 20th-Century Architecture I (HU) (3)
APH 337: 20th-Century Architecture II (HU) (3)
APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU \& H) (3)
ARA 202: Understanding Photographs (3)
ARA 396: Professional Practices for Design and the Arts (3)
ARA 498: Photography and Language (L) (1)
ARS 102: Art from Renaissance to Modernism (HU \& H) (3)
ARS 345: Art and Television (3)
ARS 438: Art of the 20th Century I (HU \& H) (3)
ARS 439: Art of the 20th Century II (HU \& H) (3)
ASB 328: Rules, Games, and Society (L) (3)
ASB 344: Technology and Society (L or SB) (3)
DCE 300: Moving Histories (HU) (3)
DSC 101: Design Awareness (HU \& G) (3)
EDT 210: Games, Technology and Society (3)
EDT 329: Games, Simulations, and Virtual Environments (3)
FMP 403: Independent Film (HU) (3)
FMP 404: World Cinema (G) (3)
FMP 405: Film and Television: Pioneers, Practices and Innovations (HU) (3)
GRA 111: Graphic Design History I (HU) (3)
GRA 112: Graphic Design History II (3)
HDA 210: Creativity and Innovation in Design and the Arts (3)
HDA 252: Foundations of Arts Entrepreneurship (3)
HDA 310: Socially Engaged Practice (3)
IAP 102: Foundations I: Performance Techniques and Composition (3)
IAP 105: Foundations I: Fundamentals of Visual Art (3)
IND 316: 20th-Century Design I (HU \& H) (3)
IND 317: 20th-Century Design II (HU \& H) (3)
INT 111: Interior Design Issues and Theories (HU) (3)
INT 310: History of Interior Design I (HU \& H) (3)
INT 311: History of Interior Design II (HU \& H) (3)
LPH 310: History of Landscape Architecture (HU \& H) (3)
LPH 311: 20th-Century Landscape Architecture (HU) (3)
MCO 435: Social Media (3)
MGT 290: My Life Venture (3)
MHL 440: Topics in 20th-Century Music (L or HU) (3)
MUS 347: Jazz in America (HU \& C) (3)
MUS 356: Broadway and the American Musical (HU) (3)
OMT 402: Legal Issues for Technologists (3)
SOC 334: Technology and Society (L or SB) (3)
THE 320: History of the Theatre I (HU \& H) (3)
THE 321: History of the Theatre II (HU \& H) (3)
THE 322: Theatre History and Culture (HU \& H) (3)
THP 482: Theatre for Social Change (C) (3)

Capstone -- 3 credit hours
AME 485: Digital Culture Capstone I (3)

Courses for the minor may not be used as part of a major. A minimum of 12 upper-division semester hours of credit at ASU is required. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.50

Majors Ineligible to Add This Minor: All digital culture majors

Other Enrollment Requirements: None

Students are required to meet with the digital culture academic success coordinator to develop the digital culture pathway that best meets the proficiencies for the work they are interested in pursuing.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://herbergerinstitute.asu.edu/degrees/digital_culture/
STAUF B 217
herbergeradvising@asu.edu
480-965-9438

## Early Childhood Education Minor (TEECEDMIN)

Campus: Downtown Phoenix, Polytechnic, Tempe, West

## Description:

A minor in early childhood education allows students to combine their knowledge of their major discipline with an understanding of educational practices and issues. The ultimate goal of this minor is to produce graduates who are educated in their major field of study and who understand and appreciate education that positively impacts the community. The service learning experience embedded in this minor enables students to apply their knowledge and skills to meaningful service experiences in the community.

## Program Requirements:

The minor in early childhood education requires 18 credit hours.

ECD 211: The Developing Child: Theory into Practice, Prenatal-Grade 3 (SB) (3)
ECD 220: Introduction to Nutrition, Health and Safety (2)
ECS 312: Social and Emotional Development of the Young Child (SB) (3)
ECS 431: Family, Community and Professional Support Systems (3)
EDP 310: Educational Psychology for Non-Teachers (SB) (4)
Notes: four one-hour electives in Educational Psychology for Non-Teachers, SB (4)
USL 210: Service Learning: Intro to Diverse Community Issues (L \& C) (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00
Majors Ineligible to Add This Minor: All education majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
http://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

## Description:

Students who pursue the minor in economics create a personalized program of study that covers economic theory and applications. Students complete introductory courses (ECN 211 and ECN 212) and choose electives from a large set of upper-division offerings to suit individual interests and goals.

## Program Requirements:

The minor in economics consists of 18 credit hours in economics courses, 12 credit hours of which must be upper-division courses. A minimum of six upper-division credit hours must be taken in courses offered by the W. P. Carey School of Business. Only courses completed with a grade of "C" ( 2.00 on a scale of 4.00 ) or better can be used to satisfy minor requirements.

Required Courses -- 6 credit hours
ECN 211: Macroeconomic Principles (SB) or ECN 213: Honors Macroeconomics (SB) (3)
ECN 212: Microeconomic Principles (SB) or ECN 214: Honors Microeconomics (SB) (3)

Minor Electives -- 12 credit hours
ECN Upper Division Elective (12)

Upper-division economics courses offered by W. P. Carey may require additional prerequisites. In addition to ECN 211 and 212, students must complete MAT 210 and MAT 211 or MAT 270 and 271 prior to enrolling in ECN upper-division courses.
No more than three credit hours of ECN 484 Internship may be applied to the minor.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in economics; BS in economics (politics and the economy); BS in politics and the economy
Other Enrollment Requirements: None
Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
Economics Program in CLAS
https://clas.asu.edu/node/400
CPCOM 412
wpcareyecn@asu.edu
480-965-3531

## Educational Studies Minor (TEEDSTMIN)

Campus: Downtown Phoenix, Polytechnic, Tempe, West

## Description:

Learning happens everywhere and at all ages. The Educational studies minor prepares graduates to work with children, youth and adults in nonprofit settings, community institutions, civic organizations and businesses. It provides a foundation for students to shape the role of education in society and the act of learning.

Students interested in career and technical education certificates can use the educational studies minor to meet coursework requirements for the Career and Technical Education certificate. Additional requirements for the CTE certificate, including work experience, are not included in the minor. Students interested in obtaining the CTE certificate should refer to the Arizona Department of Education website for further information.

## Program Requirements:

The minor in educational studies requires a minimum of 18 credit hours, to include six lower-division credits and 12 upper-division credits from one of the following focus areas: learning and instruction, learning in the community, physical activity, or general overview of education.

Required lower-division coursework -- 6 credit hours

Required Course (choose one) -- 3 credit hours
SPE 222: Orientation to Education of Exceptional Children (SB \& C) (3)
TEL 111: Exploration of Education (SB) (3)
TEL 212: Understanding the Culturally Diverse Learner (C) (3)

Required Service Learning -- 3 credit hours
USL 210: Service Learning: Intro to Diverse Community Issues (L \& C) (3)

Required upper-division coursework -- 12 credit hours
Complete 12 credits of coursework from ONE focus area below: (12)

Learning and Instruction
EDP 310: Educational Psychology for Non-Teachers (SB) (3)
Notes: Three one-credit EDP 310 courses
SED 403: Secondary Principles, Curriculum and Methods (3)
TEL 311: Instruction and Management in the Inclusive Classroom (3)
TEL 313: Technology in an Educational Setting (3)

Learning in the Community
EDP 310: Educational Psychology for Non-Teachers (SB) or EDP 311: Educational Psychology for Future Teachers (SB) (3)
SPF 301: Culture and Schooling (L) (3)
TEL 430: Learning Outside of School (3)
TEL 431: Learning in Workplaces (3)

Physical Activity
PPE 335: Movement and Physiology Principles of Children and Youth in Physical Activity Environments (3)
PPE 340: Understanding Children in Physical Activity Environments (3)
PPE 345: Adolescents in Physical Activity Environments: Understanding and Practices (3)
PPE 351: Coaching of Children and Adolescents in Physical Activity Environments (3)

General Overview of Education
12 upper-division credits from any of the below prefixes:
BLE OR ECD OR ECS OR EDP OR EDT OR EED OR PPE OR SCN OR SED OR SPE OR SPF OR TEL OR USL Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: All education majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
http://education.asu.edu/

## Engineering Management Minor (ESENMMIN)

Campus: Tempe, Online

## Description:

The minor program in engineering management is designed to provide students with the skills for effective management and leadership of engineering-driven enterprises. The minor curriculum supplements the student's major by adding to the breadth of engineering science and design and equipping the student with additional management and design skills. This knowledge is augmented with an understanding of business practices, organizational behavior and management skills to enable the student to succeed in the management of a scientific or engineering enterprise. Topics such as project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management are covered, in addition to product design and process development.

## Program Requirements:

Prior to enrolling in the minor, students must have completed MAT 265 and MAT 266 (or an equivalent calculus sequence) with a grade of C or better in each.
The program of study for a minor in engineering management requires a minimum of 18 credit hours. Note that industrial engineering or engineering management majors will NOT be eligible for the minor.

The minor requires completion of four core courses ( 12 credit hours) and two elective courses (six credit hours) for a total of 18 credit hours. All courses must be passed with a "C" or better. At least 12 credit hours must be completed in residency at ASU or through ASU Online. The required core courses include:

Core Courses -- 12 credit hours
IEE 220: Business and Industrial Engineering or IEE 380: Probability and Statistics for Engineering Problem Solving (CS) (3)
Notes: Students whose major requires IEE 380 Probability and Statistics for Engineering Problem Solving (3) will need to take IEE 220 Business and Industrial Engineering (3) for the engineering management minor.
IEE 300: Economic Analysis for Engineers (3)
IEE 431: Engineering Administration (L) (3)
IEE 458: Project Management or CEE 481: Civil Engineering Project Management (3)
Notes: CEE 481 may not be used for both the civil engineering degree (major) and the engineering management minor.

Elective Courses -- 6 credit hours
IEE 369: Work Analysis and Design (L) (3)
IEE 376: Operations Research Deterministic Techniques/Applications (3)
IEE 381: Lean Six Sigma Methodology (3)
IEE 412: Introduction to Financial Engineering (3)
IEE 454: Risk Management (3)
IEE 456: Introduction to Systems Engineering (3)
IEE 474: Quality Control (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: Prior to enrolling in the minor, students must have completed MAT 265 and MAT 266 (or an equivalent calculus sequence) with a grade of " C " or better in each.

Majors Ineligible to Add This Minor: BSE in engineering management and BSE in industrial engineering
Other Enrollment Requirements: None

Interested students should consult with a School of Computing, Informatics and Decision Systems Engineering advisor to verify eligibility and to review all courses required for the minor. To schedule a CIDSE advising appointment, students should visit https://fultonapps.asu.edu/advising (https://fultonapps.asu.edu/advising).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the
college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Engineering, Ira A. Fulton Schools of
Industrial, Systems \& Operations Engineering Prgm
https://cidse.engineering.asu.edu/forstudent/undergraduate/minor/
CTRPT 105
cidse.undergrad@asu.edu
480-965-3199

## English Minor (ASENGMIN)

Campus: West

## Description:

The minor in English is an ideal choice for students who enjoy English and desire to become better writers, readers and thinkers. The program requirements ground students in the basics of literary and cultural study, and the distribution area requirement allows for a range of course offerings in linguistics, rhetoric, and literature. With its emphasis on critical reading and writing skills, the English minor is the perfect complement to any major.

## Program Requirements:

The minor in English requires a minimum of 21 credit hours, of which 15 credit hours must be upper division. Students must complete a minimum of six upper division credit hours in courses offered by the School of Humanities, Arts, and Cultural Studies. At least six credit hours of Distribution coursework must be at the 400 level. Students may, once only, use one course to satisfy two distribution requirements. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Core Course -- 3 credit hours
ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Distribution Cluster Requirement -- 15 credit hours
Select one course from each distribution cluster. Fifteen credits are required, and at least two courses, for six upper-division credits, must be at the 400 level. Students may, once only, use one course to satisfy two distribution requirements.
Special topics courses taken for distribution cluster must focus explicitly on the subject of the cluster in order to satisfy requirements. See academic advisor prior to enrollment.

Identities, Communities and Social Practices -- 3 credit hours
ENG 312: English in its Social Setting (L or HU or SB) (3)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) \& C) (3)
ENG 394: Special Topics (3)
Notes: Topics must be focused on issues of identities, communities and social practices.
ENG 400: History of Literary Criticism (L or HU) (3)
ENG 401: Topics in Critical Theory (3)
ENG 420: Multicultural Autobiographies ((L or HU) \& C) (3)
ENG 440: Studies in American Literature and Culture (HU) (3)
ENG 454: Gender and Literature (L or HU) (3)
ENG 456: Studies in Forensic Linguistics (3)
ENG 460: Ethnic Women Writers (3)
ENG 461: Studies in Women and Literature (HU) (3)
ENG 463: African American Literature (3)
ENG 472: Rhetorical Studies (L) (3)
ENG 479: Studies in Postmodernism (HU \& G) (3)
ENG 494: Special Topics (3)
Notes: Topics must be focused on issues of identities, communities and social practices.

Literature and Culture, Pre-1860 -- 3 credit hours
ENG 221: Survey of English Literature (HU) (3)
ENG 241: Literatures of the United States to 1860 ((L or HU) \& C) (3)
ENG 315: Medieval Literature in Translation (HU) (3)
ENG 321: Shakespeare (L or HU) (3)

ENG 328: The Novel to Jane Austen (HU \& H) (3)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) \& C) (3)
ENG 415: Studies in Medieval Literature and Culture (HU) (3)
ENG 416: Chaucer in Middle English (HU) (3)
ENG 421: Studies in Shakespeare (L or HU) (3)
ENG 423: Renaissance Drama (L or HU) (3)
ENG 425: Studies in Romanticism (HU) (3)
ENG 432: The American Renaissance (HU) (3)
ENG 440: Studies in American Literature and Culture (HU) (3)

Literature and Culture, Post-1860 -- 3 credit hours
ENG 222: Survey of English Literature (HU \& H) (3)
ENG 242: Literatures of the United States, 1860 to Present (HU) (3)
ENG 334: The American Southwest in Literature and Film ((L or HU) \& C) (3)
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) \& C) (3)
ENG 369: Science Fiction Studies (3)
ENG 386: American Gothic (3)
ENG 431: Whitman and Dickinson (L or HU) (3)
ENG 437: The American Novel, 1900-1960 (L or HU) (3)
ENG 438: American Novel Since 1960 (L or HU) (3)
ENG 440: Studies in American Literature and Culture (HU) (3)
ENG 450: The British Novel (HU) (3)
ENG 471: Literature for Young Adults (HU) (3)
ENG 478: Studies in Modernism (L or HU) (3)
ENG 479: Studies in Postmodernism (HU \& G) (3)

Theories and Practices of Writing -- 3 credit hours
ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)
ENG 311: Persuasive Writing (L) (3)
ENG 323: Rhetoric and Grammar (L) (3)
ENG 335: American Poetry (3)
ENG 361: Scriptwriting (3)
ENG 379: Travel Writing (L) (3)
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)
ENG 410: Writing for Publication (3)
ENG 457: Studies in American Poetry (HU) (3)
ENG 490: Literary Forms: Theory and Practice in Poetry (3)

Transnational, Linguistic and Textual Circulation -- 3 credit hours
ENG 213: Introduction to the Study of Language (3)
ENG 317: Cross-Cultural Writing ((L or HU) \& G) (3)
ENG 333: American Ethnic Literature ((L or HU) \& C) (3)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C) (3)
ENG 379: Travel Writing (L) (3)
ENG 394: Special Topics (3)
Notes: Topics must be focused on issues of transnational, linguistic and textual circulation.
ENG 413: History of English Language (HU) (3)
ENG 462: Africana Literature (HU \& G) (3)
ENG 494: Special Topics (3)
Notes: Topics must be focused on issues of transnational, linguistic and textual circulation.
ENG 494: Reading Englands Literary Landscapes 1 (3)
ENG 494: Reading Englands Literary Landscapes 2 (3)
NEW 300: International Cities (3)
SAO 394: Special Topics (3)
SAO 494: International Program Courses (3)

Elective Courses -- 3 credit hours
ENG Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in English

Other Enrollment Requirements: None

The minor in English is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/english-minor
FAB N100
harcsadvising@asu.edu
602-543-3000

## English Minor (LAENGMIN)

Campus: Online

## Description:

A minor in English provides students with preparation for any profession requiring strong analytical and communication skills, including careers in publishing, journalism, public relations, nonprofit organizations, professional and technical writing, education, business, banking, grassroots activism, law and medicine as well as numerous others throughout industry and government.

The minor in English is delivered entirely online and serves as a complement to the chosen major of undergraduate students who are pursuing an ASU major online.

## Program Requirements:

The online minor in English consists of 24 credit hours. At least 12 of the 24 credit hours must be upper-division and at least 6 credit hours of the upper-division work must be taken at the 400-level. The remaining nine credit hours may be completed with ENG 200-499 courses. At least six of the upper-division credits must be earned from the College of Liberal Arts and Sciences. A grade of "C" ( 2.00 on a 4.00 scale) or higher is required in all courses taken for the minor.

Required Course -- 3 credit hours
ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Electives -- 21 credit hours
ENG $4^{* *}$ Elective (6
ENG Upper Division Elective (6)
ENG Elective (9)
Notes: Choose 9 credit hours in electives from among the department's offerings, 200 level or above.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements: <br> GPA Requirement: None

Majors Ineligible to Add This Minor: BA in English

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/
RBH 170
englishadvising@asu.edu
480-965-3168

## English Minor (LSENGMIN)

Campus: Polytechnic

## Description:

The minor in English focuses on effective writing, critical thinking and reading sophisticated literary and nonliterary texts.

## Program Requirements:

The English minor consists of 24 credit hours.
Required Course -- 3 credit hours
ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Additional Requirements -- 21 credit hours
ENG Upper Division Elective (12)
Notes: A minimum of 12 upper-division credit hours, of which six credit hours must be taken through the College of Integrative Sciences and Arts.
ENG Elective (9)
All course work for the minor must be completed with a grade of " C " (2.00 on a 4.00 scale) or higher.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00 cumulative GPA

Majors Ineligible to Add This Minor: BS in English

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## English (Linguistics) Minor (LAENGMINN)

Campus: Tempe

## Description:

Students pursuing a minor in English with a focus in linguistics study the nature, variation and structure of language.

ASU's Department of English has an extensive internship program offering placements in publishing, media and marketing, government, secondlanguage teaching, nonprofits and film festivals. The English department also boasts rigorous undergraduate research opportunities and options for cultural and community involvement.

## Program Requirements:

The minor in English with a focus in linguistics consists of 24 credit hours. A minimum of 12 upper-division credit hours are required, with at least six credit hours from courses offered by the College of Liberal Arts and Sciences. Courses must be completed with a grade of "C" (2.00 on a scale of 4.00) or better to satisfy minor requirements.

Required Courses -- 15 credit hours
ENG 200: Critical Reading and Writing About Literature (L or HU) (3)
ENG 213: Introduction to the Study of Language (3)
ENG 312: English in its Social Setting (L or HU or SB) (3)
ENG 314: Modern Grammar (3)
ENG 413: History of English Language (HU) (3)

English Survey Course (choose one) -- 3 credit hours
ENG 221: Survey of English Literature (HU) (3)
ENG 222: Survey of English Literature (HU \& H) (3)
ENG 241: Literatures of the United States to 1860 ((L or HU) \& C) (3)
ENG 242: Literatures of the United States, 1860 to Present (HU) (3)

English Electives -- 6 credit hours
ENG Upper Division Elective (3)
ENG Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in English (all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu
RBH 170
englishadvising@asu.edu
480-965-3168
English (Literature) Minor (LAENGMINT)
Campus: Tempe

## Description:

The minor program in English, with a concentration in literature, focuses upon British, American and global literatures in English, from the earliest writings to the present.

ASU's Department of English has an extensive internship program offering placements in publishing, media and marketing, government, secondlanguage teaching, nonprofits and film festivals. English also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

## Program Requirements:

The minor in English with a focus in literature consists of 24 credit hours. At least 12 credit hours must be completed at the upper-division level, with a minimum of six upper-division credit hours from courses offered by the Department of English in the College of Liberal Arts and Sciences. A grade of "C" ( 2.00 on a 4.00 scale) or higher is required in all courses taken for the minor.

Required Core Course -- 3 credit hours
ENG 200: Critical Reading and Writing About Literature (L or HU) (3)

Literature Areas and Periods (choose from 3 of the 4 categories) -- 9 credit hours
Students must complete at least one course in 3 of the 4 Literature and Culture Track Lists. One course must be completed at the 400 -level.

Literature and Culture Before 1800
ENG 201: World Literature (HU \& H \& G) (3)
ENG 202: World Literature (HU \& H) (3)
ENG 221: Survey of English Literature (HU) (3)
ENG 241: Literatures of the United States to 1860 ((L or HU) \& C) (3)
ENG 303: Classical Backgrounds of English Literature (HU) (3)
ENG 315: Medieval Literature in Translation (HU) (3)
ENG 321: Shakespeare (L or HU) (3)
ENG 325: Restoration and the 18th Century (3)
ENG 326: English Drama 1660-1800 (HU) (3)
ENG 328: The Novel to Jane Austen (HU \& H) (3)
ENG 415: Studies in Medieval Literature and Culture (HU) (3)
ENG 416: Chaucer in Middle English (HU) (3)
ENG 418: Renaissance Literature ( L or HU) (3)
ENG 421: Studies in Shakespeare (L or HU) (3)
ENG 422: Special Topics in Shakespeare (HU) (3)
ENG 423: Renaissance Drama (L or HU) (3)
ENG 424: Milton (HU) (3)
ENG 425: Studies in Romanticism (HU) (3)
ENG 427: Studies in 18th-Century Literature and Culture (HU) (3)
ENG 476: Studies in Folklore ((L or HU or SB) \& C) (3)

Literature and Culture After 1800
ENG 204: Topics in Contemporary Literature (HU) (3)
ENG 222: Survey of English Literature (HU \& H) (3)
ENG 242: Literatures of the United States, 1860 to Present (HU) (3)
ENG 245: Popular Culture Issues (L) (3)
ENG 329: 19th-Century British Fiction (L or HU) (3)
ENG 330: 19th-Century British Poetry (3)
ENG 333: American Ethnic Literature ((L or HU) \& C) (3)
ENG 335: American Poetry , Slam Poetry (3)
ENG 337: Major American Novels (L or HU) (3)
ENG 338: Protest Literature (3)
ENG 342: 20th-Century British and Irish Literature (HU) (3)
ENG 345: American Losers, Noir Fiction and Film , Prison Literature (3)
ENG 352: Short Story (L or HU) (3)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) \& C) (3)
ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) \& C) (3)
ENG 359: Indigenous American Literature ((L or HU) \& C) (3)
ENG 360: Western American Literature (L or HU) (3)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C) (3)
ENG 364: Women and Literature (HU) (3)
ENG 369: Science Fiction Studies (3)
ENG 426: British Culture and Empire , Self, Other and Monster at the Fin de Siecle (3)

ENG 429: Studies in European Literature and Culture ((L or HU) \& G \& H), European Romanticism ((L or HU) \& G \& H), Politics \& Culture in European Short Fiction ((L or HU) \& G \& H) (3)
ENG 430: Studies in Victorian Literature and Culture (L or HU), Darwin (L or HU) (3)
ENG 434: Studies in the Literature and Culture of the Americas (HU \& C), Nobel Laureates (HU \& C), Spies and Hackers (HU \& C) (3)
ENG 435: Literatures and Cultures of Immigration and Diaspora (3)
ENG 436: Studies in Anglophone Literature and Culture , Carnivores, Cannibals, and Consumerism , Postcolonial Studies (3)
ENG 440: Studies in American Literature and Culture (HU) (3)
ENG 442: Studies in 20th-Century British and Irish Literature and Culture , Britains Angry Decades: Lit/Culture 1945-65 (3)
ENG 444: Studies in American Romanticism (HU) (3)
ENG 445: Studies in American Realism (L or HU) (3)
ENG 447: Experimental Narrative (3)
ENG 448: Studies in Irish Literature and Culture (HU) (3)
ENG 452: Studies in the Novel (HU) (3)
ENG 457: Studies in American Poetry (HU) (3)
ENG 458: Latina/o Literature ((L or HU) \& C) (3)
ENG 461: Studies in Women and Literature (HU) (3)
ENG 465: Studies in Film (3)
ENG 469: Science and Literature (L or HU) (3)
ENG 470: Symbols and Archetypes in Children's Literature (L or HU) (3)
ENG 471: Literature for Young Adults (HU) (3)
Literature and Culture: Transnational, Postcolonial and Global Literature
ENG 359: Indigenous American Literature ((L or HU) \& C) (3)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C) (3)
ENG 429: Studies in European Literature and Culture (3)
ENG 434: Studies in the Literature and Culture of the Americas (HU \& C), Nobel Laureates (HU \& C), Spies and Hackers (HU \& C) (3)
ENG 435: Literatures and Cultures of Immigration and Diaspora (3)
ENG 436: Studies in Anglophone Literature and Culture , Carnivores, Cannibals, and Consumerism , Postcolonial Studies (3)
ENG 457: Studies in American Poetry (HU), Indigenous Poetry (HU) (3)
ENG 458: Latina/o Literature ((L or HU) \& C) (3)
Literature and Culture: Literary Theory and Interdisciplinary Studies
ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)
ENG 400: History of Literary Criticism (L or HU) (3)
ENG 401: Topics in Critical Theory (3)
ENG 434: Studies in the Literature and Culture of the Americas (HU \& C) (3)
ENG 435: Literatures and Cultures of Immigration and Diaspora (3)
ENG 436: Postcolonial Studies (3)
ENG 469: Science and Literature (L or HU) (3)
ENG 472: Rhetorical Studies (L) (3)
ENG 476: Studies in Folklore ((L or HU or SB) \& C) (3)

Minor Electives -- 12 credit hours
ENG Upper Division Elective (9)
ENG Elective (3)
Notes: 200 level or above

## Enrollment Requirements:

GPA Requirement: None
Majors Ineligible to Add This Minor: BA in English (including all concentrations); BAE in secondary education (English)
Other Enrollment Requirements: None
Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu
RBH 170
englishadvising@asu.edu
480-965-3168

## Environmental and Resource Management Minor (ESERMMIN)

Campus: Polytechnic

## Description:

The minor program in environmental and resource management provides students with a thorough introduction to environmental regulations and key environmental management issues such as the provision of clean, potable water, wastewater treatment, solid and hazardous waste management, as well as remediation technologies for polluted soils, groundwater and air. Students learn to apply basic science and engineering principles to solving problems that significantly impact human health and ecosystems.

The environmental and resource management minor program provides a valuable option to other majors that focus on environmental issues whether from a technical or policy perspective. The courses form a coherent whole and demonstrate the connection between science, engineering, public policy and the law.

## Program Requirements:

The minor requires completion of four core courses ( 12 credit hours) and one elective course (three credit hours) for a total of 15 credit hours. At least 12 credit hours must be completed in residency at ASU.

The following are required courses that must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or higher:

Core Courses -- 12 credit hours
ERM 201: Environmental Management (3)
ERM 203: Environmental Regulations (3)
ERM 302: Water and Wastewater Treatment Technology (3)
ERM 402: Unit Treatment Technologies (3)

Elective Course -- 3 credit hours
ERM 401: Hazardous Waste Management (3)
ERM 406: Environmental Chemistry (3)
ERM 407: Occupational Hygiene (3)
ERM 426: Environmental Issues (3)
ERM 428: International Environmental Management (G) (3)
ERM 432: Sustainable Solid Waste Management (3)
ERM 494: Environmental Health (3)
ERM 494: Environmental Management Leadership (3)
ERM 494: Tribal Environ \& Natural Resources Management (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: minimum 2.00 GPA

Majors Ineligible to Add This Minor: BS in environmental and resource management

Other Enrollment Requirements:

Interested students must have at least sophomore status. Students should consult with a Polytechnic School advisor to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, go to https://fultonapps.asu.edu/advising (https://fultonapps.asu.edu/advising).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

Students should contact their academic advisor for more information.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Environmental and Resource Management
https://poly.engineering.asu.edu/ERM
WANER 240
polyadvising@asu.edu
480-727-1874

## Ethnic Studies Minor (ASETHMIN)

Campus: West

## Description:

The minor program in ethnic studies, offered by the School of Humanities, Arts, and Cultural Studies, introduces a general conceptual framework regarding race and ethnicity and how these intersect in the construction of social formations.

## Program Requirements:

The minor in ethnic studies consists of 18 credit hours. A minimum of six upper division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Up to six credit hours may be shared between the minor and major requirements. Up to three credit hours of individualized instruction may be applied toward the minor. Students are encouraged meet with an academic advisor to choose courses that develop breadth rather than limiting their selection to courses in one particular discipline. All courses must be passed with a minimum grade of "C" (2.00) or better.

Required Courses -- 6 credit hours
ETH 100: Ethnic and Indigenous Lives (SB \& C) (3)
HRC 200: Introduction to Social and Cultural Analysis (SB \& C) (3)

Electives (chosen from the following\} -- 12 credit hours
ENG 420 / IAS 420: Multicultural Autobiographies ((L or HU) \& C) (3)
ENG 460: Ethnic Women Writers or WST 467: Ethnic Women Writers (HU \& C) (3)
ENG 476: Studies in Folklore ((L or HU or SB) \& C) (3)
ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) \& C) (3)
ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) \& C) (3)
ETH 450: Latina/os, Schooling and Social Inequality (C) (3)
HST 326: The Global History of the Trans-Atlantic Slave Trade (SB \& H) (3)
HST 418: The Hispanic Southwest (SB) (3)
HST 419: 20th Century Chicano/a History (C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

The minor in ethnic studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

## Family and Human Development Minor (LAFASMIN)

Campus: Tempe, Online

## Description:

The minor program in family and human development from the T. Denny Sanford School of Social and Family Dynamics exposes students to the basic coursework and issues within the discipline. This program provides an exceptional complement to studies in psychology, communication, education, business and nursing.

## Program Requirements:

The minor in family and human development consists of 18 credit hours in family studies and child development. At least 12 of the 18 credit hours must be in upper-division courses. At least one elective course must come from the CDE prefix. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours
CDE 232: Human Development (SB) (3)
FAS 101: Personal Growth in Human Relationships (SB) (3)
FAS 370: Family Ethnic and Cultural Diversity (SB \& C) (3)

Upper Division Electives -- 9 credit hours
At least one course must be a CDE elective.
CDE 312: Adolescence (SB) (3)
CDE 337: Early Childhood Intervention (3)
CDE 418: Aging and the Life Course (SB \& H) (3)
CDE 430: Infant/Toddler Development in the Family (SB) (3)
CDE 450: Child Dysfunction in the Family (3)
CDE 498 / FAS 498: Pro-Seminar (3)
FAS 301: Introduction to Parenting (3)
FAS 331: Marriage and Family Relationships (SB) (3)
FAS 332: Human Sexuality (SB) (3)
FAS 324: Work and the Workplace (SB \& H) (3)
FAS 410: Military Family Systems in a Democracy (3)
FAS 435: Advanced Marriage and Family Relationships (L or SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in family and human development

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

## Fashion Minor (HIFSHMIN)

Campus: Tempe

## Description:

The fashion minor program offers grounding in the history, social context and economics of the contemporary fashion industry. Students also have the option of pursuing more focused classes designed to introduce students to a variety of roles in this important industry: fashion history, fashion industry business practices, and fashion design and production. Among the subjects that may be related to the students' majors are marketing and merchandising, costuming, wearable technology, sustainability, management and leadership, international experience and fashion and culture. Due to the relationship of these subjects to a wide variety of on-campus disciplines, students from many parts of the university can supplement their major with closely related fashion minor classes, creating a strong foundation for a variety of careers. Opportunities for internships and study abroad could further advance students' professional goals. Through the leadership of well-known fashion industry professionals, the minor in fashion at ASU will be connected globally to leaders in the industry.

## Program Requirements:

Courses selected must satisfy the minimum requirement of 18 credit hours for the minor; 9 of the credit hours must be Upper Division (300 or $400-$ level) course work.
BIS Concentration students must complete 12 credit hours of upper-division credits; all Fashion Electives must be upper-division (300 or $400-l e v e l$ ) coursework.

Required Courses -- 9 credit hours
FSH 125: Survey of the Fashion Industry (3)
FSH 201: Textiles Survey (3)
FSH 435: Contemporary Fashion (3)

Fashion Electives ( 6 credits must be Upper Division) -- 9 credit hours
ART 110: Drawing as Seeing and Thinking (HU) (3)
FSH 194: Special Topics (3)
FSH 204: Social Aspects of Fashion (3)
FSH 280: Fashion Merchandising (3)
FSH 294: Special Topics (3)
FSH 300: Global Fashion Industry (3)
FSH 394: Special Topics (3)
FSH 484: Internship (3)
FSH 494: Special Topics (3)
HDA 311: Work and Careers in the Cultural and Creative Industries (3)
MKT 390: Essentials of Marketing (3)
MKT 391: Essentials of Selling (3)
MKT 395: Essentials of Advertising and Marketing Communication (3)
THE 430: History of Fashion I (HU) (3)
THE 431: History of Fashion II: 20th-Century Fashion (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.50

Majors Ineligible to Add This Minor: BA in fashion

Other Enrollment Requirements:

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu
ART 102
herbergeradvising@asu.edu
480-965-8521
Film and Media Production Minor (FAFMPMIN)
Campus: Tempe

## Description:

Students pursuing the film and media production minor study the basic production processes of film while learning about film and media industry history and practices and the cultural value of cinema, television and digital media.

## Program Requirements:

The school offers a minor in film and media production, consisting of 18 credit hours of course work. A grade of " C " (2.00) or higher is required for all courses in the minor. All prerequisites for the minor courses must be met. Transfer students may transfer up to six credit hours toward the minor.

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Required Courses -- 12 credit hours
FMP 201: Film: The Creative Process I (HU) (3)
FMP 250: Sex and Violence in Film and TV: Ethics Survey (3)
FMP 300: Focus on Film , Film Production: Non-Majors (3)
FMP 403: Independent Film (HU) (3)
Upper Division Film Elective -- 6 credit hours
Select two courses (6 hours) from the following:
FMP 318: Directing for Film and Media I (3)
FMP 320: Film and Media Post-Production II (3)
FMP 325:Guerilla VFX (3)
FMP 330: Professional and Technical Writing for Film/TV Industry (3)
FMP 335: Careers in Film and Media Industry (3)
FMP 345: Cinematography I (3)
FMP 361: Intermediate Screenwriting (3)
FMP 365: Developing a Series (3)
FMP 370: Producing for Film and Media (3)
FMP 394: Special Topics (3)
FMP 404: World Cinema (G) (3)
FMP 405: Film and Television: Pioneers, Practices and Innovations (HU) (3)
FMP 417: Business and Legal Practices in Entertainment (3)
FMP 418: Directing for Film and Media II (3)
FMP 465: Series Writers Workshop (3)
FMP 475: Producing Series (3)
FMP 494: Special Topics (3)
THE 406: American Multicultural Film (HU & C) (3)
THE 421: Shakespeare: Stage and Film (L or HU) (3)
THE 430: History of Fashion I (HU) (3)
THP 313: Fundamentals of Design (3)
THP 330: Costume Design (3)
THP 340: Scene Design (3)
THP 345: Lighting Design (3)
THP 350: Sound Design (3)
THP 351: Arts Management (3)
THP 355: Media Design for Performance (3)
THP 406: Advanced Scenography (3)
THP 445: Advanced Lighting Design (3)
THP 452: Arts Entrepreneurship Seminar (3)
THP 455: Advanced Media Design (3)
THP 494: Art Direction (3)
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Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in film (filmmaking practices); BA in film (film and media production)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232
fdt@asu.edu
480-965-5337

## Film and Media Studies Minor (LAFMSMIN)

Campus: Tempe, Online

## Description:

The film and media studies minor is useful for students who want to explore the critical and creative study of film and media. Students can select to study a range of courses that emphasize media and society, media industries, styles and genres and screenwriting.

ASU's Department of English has an extensive internship program, offering placements in publishing, media and marketing, government, nonprofits and film festivals. English also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

## Program Requirements:

The film and media studies minor consists of 18 credit hours. Of the 18 credit hours, 12 credit hours must be upper-division courses. All courses must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours
FMS 100: Introduction to Film (HU) (3)
FMS 200: Film History ((L or HU) \& H) (3)
FMS 300: Television and Cultural Studies (L or HU) (3)

Electives -- 9 credit hours
FMS Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in film (film and media studies); BA in film (film and media production)

Other Enrollment Requirements: None
pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/node/259
RBH 170
englishadvising@asu.edu
480-965-3168

## Food and Nutrition Management Minor (ECFNTRMIN)

Campus: Downtown Phoenix

## Description:

The food and nutrition management minor is available to any ASU student interested in developing a greater understanding of nutrition, the food industry and food service operations.

## Program Requirements:

The minor requires students to take the following courses, for a total of 18 credit hours. A minimum grade of " C " ( 2.00 on a 4.00 scale) is required for each course.

Required minor courses -- 18 credit hours
NTR 100: Introductory Nutrition or NTR 241: Human Nutrition (3)
NTR 142: Applied Food Principles (3)
NTR 300: Computer Applications in Nutrition (3)
NTR 343: Food Service Purchasing (3)
NTR 344: Nutrition Management and Leadership (L) (3)
NTR 445: Management of Food Service Systems (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in nutrition; BS in nutrition (dietetics); BS in nutrition (human nutrition)

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300

## French Minor (LAFREMIN)

## Campus: Tempe

## Description:

Students pursuing a minor in French gain an understanding of the language, literature and cultures of French-speaking peoples and regions.
Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. For more information, students should go to https://international.clas.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages
(https://international.clas.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages).

## Program Requirements:

The French minor requires 18 upper-division credit hours. Each course must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or better. Course substitutions are allowed for heritage and advanced speakers of the language with approval from an academic advisor in the School of International Letters and Cultures.

Required Courses -- 18 credit hours
FRE 305: Readings in French Literature (G) (3)
FRE 311: Oral and Written Expression I (G) (3)
FRE 312: Oral and Written Expression II (G) (3)
FRE 321: French Literature ((L or HU) \& H) or FRE 322: French Literature (L or HU) (3)
FRE 4** Elective (3)
FRE Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in French

Other Enrollment Requirements: None

Students who wish to add a minor in French to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/french-0
LL 440
silcadvising@asu.edu
480-965-6281

## Geography Minor (LAGCUMIN)

Campus: Tempe

## Description:

The geography minor, rooted in a foundation of cultural and physical geography, encourages students to explore intersections of place and space. Students in the minor gain a unique understanding of the modern world from both the local and global perspectives. Students also gain a deeper understanding of how humans impact landscapes.

## Program Requirements:

The minor in geography requires a minimum of 19 credit hours, of which at least 12 credit hours must be upper-division. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Cultural Geography (choose one of the following) -- 3 credit hours
GCU 102: Introduction to Human Geography (SB \& G) (3)
GCU 121: World Geography (SB \& G) (4)
GCU 241: The Global Economy in Transition (SB \& G) (3)

Physical Geography -- 4 credit hours
GPH 111: Introduction to Physical Geography (SQ) (3)
GPH 112: Introduction to Physical Geography Lab (SQ) (1)

Upper-Division Electives -- 12 credit hours
GPH OR GCU OR GIS Upper Division Elective (12)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA and BS in geography; BS in geography (urban studies); BS in geography (meteorology-climatology)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/undergraduate-minors-and-certificates/geography
COOR 5671
geoplan.advising@asu.edu
480-965-7533

## Geological Sciences Minor (LAGLGMIN)

Campus: Tempe

## Description:

The geological sciences minor is designed for students interested in developing a basic understanding of earth science and analyzing issues through a scientific viewpoint.

## Program Requirements:

The minor in geological sciences consists of a minimum of 21 credit hours, at least thirteen credit hours of which must be completed at the upperdivision level. All courses must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or better.

Required Courses -- 15 credit hours
GLG 101: Introduction to Geology I (Physical) (SQ) (3)
GLG 102: Introduction to Geology II (Historical) (SG \& H) (3)
GLG 103: Introduction to Geology I-Laboratory (SQ) (1)
GLG 104: Introduction to Geology II-Laboratory (SG) (1)
GLG 310: Structural Geology (3)
GLG 321: Mineralogy (3)
SES 401: Earth and Space Exploration Colloquium (1)

GLG Upper Division Elective (6)
Courses in other related subjects may be approved by an academic advisor in the School of Earth and Space Exploration. Students should receive approval for substitutions prior to registration.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in earth and environmental studies; BS in earth and space exploration (geological sciences)

Other Enrollment Requirements: None

Students interested in adding a minor in geological sciences should contact their academic advisor to get information about the minor. Students will then work with the advisor in their major to have the minor officially added to their program.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-advising@asu.edu
480-965-5081

## German Minor (LAGERMIN)

Campus: Tempe

## Description:

Students pursuing a minor in German gain an understanding of the language, literature and cultures of German-speaking peoples and regions. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Students should go to https://mystudyabroad.asu.edu/ (https://mystudyabroad.asu.edu/) for more information.

## Program Requirements:

The German minor requires 18 hours, 15 of which must be upper-division. Three credit hours of GER 200-level coursework may be applied to the German minor. Course substitutions are allowed for heritage and advanced speakers of the language. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

GER 200-level Course Work (choose one of the following) -- 3 credit hours
GER 201: Intermediate German (G) (4)
GER 202: Intermediate German (G) (4)
GER 210: Intensive German II (G) (6)
Three credit hours of 200-level course work will be applied to the minor and any additional credit hours earned will be applied toward university elective hours.

Required Course -- 3 credit hours
GER 310: Advanced German Grammar and Composition I (G) (3)

Choose two courses -- 6 credit hours
GER 311: German Conversation (G) (3)
GER 312: Readings in German Culture (G) (3)
GER 313: Advanced German Grammar and Composition II (G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA in German

Other Enrollment Requirements: None
Students who wish to add a minor in German to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/german-0
LL 440
silcadvising@asu.edu
480-965-6281

## Global Health Minor (LASSHMIN)

Campus: Tempe, Online

## Description:

The minor in global health is a transdisciplinary program designed for students who seek a broad and flexible set of skills for understanding contemporary health challenges and thinking about how they might best be solved. Global health is understood in the anthropological sense, meaning ways of understanding and addressing disease, health and well-being that can incorporate all cultures, places and time and that can integrate knowledge of health's social, historical, biological and ecological dimensions.

## Program Requirements:

The minor in global health is comprised of 18 credit hours, at least 12 of which must be upper division. A minimum grade of " C " ( 2.00 on a scale of 4.00 ) is required for courses used toward the minor.

The minor in global health is also available in an online format to complement the studies of ASU Online majors.
Required Core Course -- 3 credit hours
ASB 100 / SSH 100: Introduction to Global Health (SB \& G) (3)
Upper-Division Core Electives (choose three from the following) -- 9 credit hours
ASB 300 / SSH 300: Food and Culture ((L or SB) \& C) (3)
ASB 301 / SSH 301: Global History of Health (SB \& G \& H) (3)
ASB 305: Poverty and Global Health ((L or SB) \& G) (3)
ASB 316: Money and Culture (L or SB) (3)
ASB 327: Disaster! ((L or SB) \& C) (3)
ASB 378: McGlobalization: Migration, Mass Media and McDonald's ((L or SB) \& C) (3)
ASB 462 / SSH 404: Medical Anthropology: Culture and Health (SB \& C) (3)
ASM 345: Disease and Human Evolution (3)
ASM 414: Urban and Environmental Health (SB) (3)
Study Abroad Experience -- 6 credit hours
SSH 403: Cross-Cultural Studies in Global Health ((L or SB) \& G) or students choose another approved global health study abroad experience

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in global health

Other Enrollment Requirements:

Students must speak with an advisor in the School of Human Evolution and Social Change to declare a minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

## Global Studies Minor (LASGSMIN)

Campus: Tempe, Online

## Description:

The minor program in global studies offers students exposure to global processes and institutions from a transdisciplinary perspective. The program aims to provide students with an introduction to the tools and skills necessary to make connections linking theory with challenging global issues.

## Program Requirements:

The minor in global studies consists of 18 credit hours in global studies courses, 12 credit hours of which must be upper-division courses. A minimum of six upper-division credit hours must be taken in courses offered by the College of Liberal Arts and Sciences. Courses that count toward the minor must be passed with a grade of " C " ( 2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours
SGS 101: Thinking Globally: The Individual and Authority (SB \& G) or SGS 301: Principles of Global Studies (3)
SGS 303: Global Trends (SB) (3)

Electives -- 12 credit hours
SGS Upper Division Elective (9)
SGS Elective (3)

A maximum of three credit hours of SGS 484 Internship or three credit hours of SGS 499 Individualized Instruction may be applied to the minor. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Other Enrollment Requirements: None

An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://pgs.clas.asu.edu/
COOR 6797
spgs@asu.edu
480-965-8563
Health Care Compliance and Regulations Minor (NUHCCRMIN)
Campus: Downtown Phoenix, West

## Description:

A minor in health care compliance and regulations allows students to combine the knowledge of their major discipline with the foundational and advanced knowledge required to support regulatory compliance in a health-focused environment. The minor integrates best practices from business, regulatory, ethics and engineering fields as well as the medical industry to enhance students' major discipline with a focus on regulatory and ethical compliance in the health care industry.

## Program Requirements:

This minor requires 18 credit hours.

HCR 260: Health Care Industry and Regulation (3)
HCR 261: Health Care Compliance (3)
HCR 263: Introduction to Medical Billing and Compliance (3)
HCR 360: Data Security and Privacy in Health Care Compliance (3)
HCR 362: Monitoring and Auditing for Health Care Compliance (3)
HCR 460: Investigations and Disclosures in Health Care Compliance (3)
A "C" (2.00 on a 4.00 scale) or better is required in all courses.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: minimum 2.00 GPA

Majors Ineligible to Add This Minor: BS in health care compliance and regulations

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/non-degree/minors
MERCC 250
CONHI_advising@asu.edu
602-496-0888
Health Care Coordination Minor (NUHCCOMIN)
Campus: Downtown Phoenix, West

## Description:

A minor in health care coordination allows students to combine the knowledge of their major discipline with the foundational and advanced concepts of health care coordination. This innovative program prepares graduates to effectively coordinate resources to optimize health outcomes for individuals and families. Students completing this minor have the knowledge to navigate the health care system and assist in the coordination of health care for individuals and families.

## Program Requirements:

This minor requires 18 credit hours.

HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) (3)
HCR 221: Foundational Concepts for Health Care Coordination (3)
HCR 302: Social Determinants of Health (3)
HCR 321: Advanced Concepts for Health Care Coordination (3)
HCR 420: Professional Role Development: Health Care Coordination (3)
HCR 422: Policy and Financial Principles in Health Care Coordination (3)
"C" ( 2.00 on a 4.00 scale) or better is required in all courses
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: minimum 2.00 GPA

Majors Ineligible to Add This Minor: BS in health care coordination
Other Enrollment Requirements: None
Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/non-degree/minors
MERCC 250
CONHI_advising@asu.edu
602-496-0888

## Health Innovation Minor (NUHCIMIN)

Campus: Downtown Phoenix, West

## Description:

The health innovation minor provides students with the foundational concepts necessary to contribute to transformational change in real-world health situations. This program gives students an understanding of initiating, implementing and sustaining innovation in health settings.

This minor requires 15 upper-division credit hours.

HCI 311: Health Innovation: Foundational Concepts (3)
HCI 412: Transforming Health Care: A Systems Perspective for Innovation (3)
HCl 421: Health Care Policy: The Innovator's View (3)
HCl 425: Facilitating Innovation to Achieve Outcomes (3)
HCI 428: Technology: A Tool to Advance Innovation in Health Care (3)
A "C" ( 2.00 on a 4.00 scale) or better is required in all courses.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: minimum 2.00 GPA

Majors Ineligible to Add This Minor: BS in health innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/non-degree/minors
MERCC 250
CONHI_advising@asu.edu
602-496-0888
History Minor (ASHISMIN)
Campus: West

## Description:

The minor program in history, offered by the School of Humanities, Arts and Cultural Studies, educates students in the use of basic tools and methods of the historical discipline. Students are exposed to a broad span of history, both temporally and geographically, ranging from the ancient world through the modern period and extending from Europe to Latin America and the United States.

## Program Requirements:

The minor in history consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six upper division credit hours must be completed through HST courses offered by the School of Humanities, Arts, and Cultural Studies. Students wishing to pursue the minor should meet with an academic advisor to construct a set of courses that reflect a particular area of specialty and interest. All courses used to satisfy requirements for the minor must be passed with a grade of "C" (2.00) or better.

History Survey Requirements -- 6 credit hours
Choose one of the following sets:
HST 100: Global History to 1500 (HU \& H \& G) AND HST 101: Global History Since 1500 (HU \& H \& G) (6)
HST 109: United States to 1865 ((HU or SB) \& H) AND HST 110: United States Since 1865 (SB \& H) (6)

Upper Division History Requirements -- 12 credit hours
HST 495: Methods of Historical Inquiry (L) (3)
HST Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements: <br> GPA Requirement: None

Majors Ineligible to Add This Minor: BA in history

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/history-minor
FAB N100
harcsadvising@asu.edu
602-543-3000
History Minor (LAHISMIN)
Campus: Tempe, Online

## Description:

Students who pursue the minor in history study the growth and development of human society from all aspects --- political, social, economic and cultural. The program covers the history of Europe, the U.S., Asia, Latin America and Africa and courses are designed to give students both breadth and depth in understanding today's complex world.

## Program Requirements:

The history minor consists of 18 credit hours of course work, at least 12 of which must be upper-division. A grade of " C " ( 2.00 on a 4.00 scale) or better is required for all courses in the minor. A minimum of six upper-division credit hours must be in courses offered by the College of Liberal Arts and Sciences.
The minor in history is available to students in both on-campus and ASU Online degree programs. ASU Online students choose courses from the designated track lists below.

Lower-Division Core Survey Courses (choose two courses) -- 6 credit hours
HST 100: Global History to 1500 (HU \& H \& G) (3)
HST 101: Global History Since 1500 (HU \& H \& G) (3)
HST 102: Western Civilization: Ancient and Medieval Europe (SB \& H) (3)
HST 103: Western Civilization: Renaissance to Enlightenment ((HU or SB) \& H) (3)
HST 104: Western Civilization: French Revolution to European Union ((HU or SB) \& G \& H) (3)
HST 106: Asian Civilizations ((HU or SB) \& G \& H) (3)
HST 107: Asian Civilizations (SB \& G \& H) (3)
HST 108: Introduction to Japan (SB \& G \& H) (3)
HST 109: United States to 1865 ((HU or SB) \& H) (3)
HST 110: United States Since 1865 (SB \& H) (3)
HST 111: Introduction to Asia (HU \& H \& G) (3)

Geographic Focus Courses (choose one course from each geographic area) -- 9 credit hours

Upper-Division Courses in African, Asian or Latin American History (choose one course)
HST 302: Introduction to Peace Studies ((HU or SB) \& G \& H) (3)
HST 303: Studies in Asian History (SB \& H) (3)
HST 305: Studies in Latin American History (SB \& H) (3)
HST 307: Studies in African History (H) (3)
HST 371: Religion in Russia (HU \& H) (3)
HST 372: Modern Middle East (SB \& G \& H) (3)
HST 375: Colonial Latin America (SB \& H) (3)
HST 376: Modern Latin America (SB \& H) (3)
HST 378: Latin American Women: The National Period (SB \& G \& H) (3)
HST 383: China (SB \& H) (3)

HST 384: Modern China: 1700 to the Present (SB \& G \& H) (3)
HST 385: History of Chinese Medicine (HU \& H \& G) (3)
HST 386: Interpreting China's Classics ((L or HU) \& H) (3)
HST 387: Japan ((L or SB) \& H) (3)
HST 388: Japan (SB \& G \& H) (3)
HST 389: Japan Society and Values/Premod (3)
HST 391: Modern Southeast Asia (SB \& G \& H) (3)
HST 392: Modern India (3)
HST 404: Conquest and Encounters in Colonial Latin America (L \& G) (3)
HST 435: The Russian Empire (SB \& H) (3)
HST 436: The Soviet Experiment (SB \& G \& H) (3)
HST 441: Latin America and the World Economy (L \& G \& H) (3)
HST 443: The United States and Latin America (SB \& G \& H) (3)
HST 444: Latin American Independence ((L or HU) \& G) (3)
HST 445: 20th-Century Cuba (SB \& G \& H) (3)
HST 447: Modern Mexico (SB \& H) (3)
HST 450: Postmodern Mexico ((L or HU) \& G) (3)
HST 451: Chinese Cultural History I ((HU or SB) \& H) (3)
HST 452: Chinese Cultural History II (SB \& G \& H) (3)
HST 453: The People's Republic of China (SB \& G \& H) (3)
HST 456: The Vietnam War (SB \& G \& H) (3)
HST 459: Gandhi and the Politics of Nonviolence (3)

Upper-Division Courses in European History (choose one course)
HST 304: Studies in European History (SB \& H) (3)
HST 309: Exploration and Empire ((L or HU) \& H) (3)
HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB \& H) (3)
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (3)
HST 348: Rome (SB \& H) (3)
HST 349: Early Middle Ages ((HU or SB) \& H) (3)
HST 350: Later Middle Ages ((HU or SB) \& H) (3)
HST 351: Renaissance Europe ((L or HU or SB) \& H) (3)
HST 352: Europe's Reformations ((L or HU or SB) \& H) (3)
HST 353: Old Regime in Europe (SB \& H) (3)
HST 354: Revolutionary Europe (SB \& H) (3)
HST 355: Total War and the Crisis of Modernity (SB \& G \& H) (3)
HST 356: Europe since 1945 (SB \& G \& H) (3)
HST 358: Jewish History from Antiquity to 1492 (SB \& H) (3)
HST 359: Jewish History from 1492 to 1948 (SB \& G \& H) (3)
HST 360: The Crusades: Religion \& Conflict in the Middle Ages (SB \& H) (3)
HST 361: Witchcraft and Heresy in Europe ((L or HU) \& H) (3)
HST 362: Sex and Society in Classical and Medieval Europe (SB \& H) (3)
HST 363: Sex and Society in Early Modern Europe ((HU or SB) \& H) (3)
HST 364: Sex and Society in Modern Europe ((L or SB) \& H) (3)
HST 365: World Wars I and II: Europe's Eastern Front (3)
HST 366: England to 1689 (SB \& H) (3)
HST 367: Modern Britain (SB \& H) (3)
HST 368: Culture and Imagination in European History (HU \& H) (3)
HST 369: History and Memory of the Holocaust (3)
HST 370: Eastern Europe in Transition (SB \& G \& H) (3)
HST 371: Religion in Russia (HU \& H) (3)
HST 373: Roman History I: Foundations and Republic (3)
HST 374: Roman History II: The Roman Empire (3)
HST 397: Greece and Rome at War (3)
HST 423: The Tudor Monarchy (SB \& H) (3)
HST 424: The Stuart Monarchy (SB \& H) (3)
HST 426: The British Empire (H) (3)
HST 427: French Revolution/Napoleonic Era (SB \& H) (3)
HST 428: Modern France (SB \& G \& H) (3)
HST 429: Modern Germany (SB \& G \& H) (3)
HST 431: Eastern Europe and the Balkans, Pre-1914 (SB \& H) (3)
HST 432: Eastern Europe the Balkans, 20th Century (G \& H) (3)
HST 435: The Russian Empire (SB \& H) (3)
HST 436: The Soviet Experiment (SB \& G \& H) (3)

HST 438: Modern Spain ((HU or SB) \& G \& H) (3)
HST 439: Athenian Democracy (H) (3)
HST 465: Women in Europe, 1750 to Present ((HU or SB) \& H) (3)

Upper-Division Courses in U.S. History (choose one course)
HST 306: Studies in United States History ((HU or SB) \& H) (3)
HST 313: American Cultural History to 1865 (SB \& H) (3)
HST 314: American Cultural History Since 1865 ((HU or SB) \& H) (3)
HST 315: Political History of the U. S. (SB \& H) (3)
HST 316: 20th-Century U.S. Foreign Relations (SB \& H) (3)
HST 317: History of Postwar U.S. Conservatism (3)
HST 320: U.S. Urban History since 1850 (SB \& H) (3)
HST 321: Constitutional History/US to 1865 (SB \& H) (3)
HST 322: Constitutional History of the United States Since 1865 (H) (3)
HST 323: Historical Studies in Race, Crime, and the Law (3)
HST 325: Immigration and Ethnicity in the United States (SB \& H \& C) (3)
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H) (3)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H) (3)
HST 329: Women in 20th-Century U.S. West (H \& C) (3)
HST 331: Mexican American History to 1900 (SB \& H \& C) (3)
HST 332: Mexican American History Since 1900 (SB \& H \& C) (3)
HST 333: African American History to 1865 (SB \& H \& C) (3)
HST 334: African American History Since 1865 ((HU or SB) \& C \& H) (3)
HST 335: History of Black Women in America (SB \& H) (3)
HST 337: American Indian History to 1900 ((HU or SB) \& C \& H) (3)
HST 338: American Indian History since 1900 ((HU or SB) \& C \& H) (3)
HST 340: American Military History (SB \& H) (3)
HST 341: U.S. West 19th Century (SB \& H) (3)
HST 342: U.S. West 20th Century (SB \& H) (3)
HST 343: American Southwest ((L or SB) \& H) (3)
HST 344: Arizona (SB \& H) (3)
HST 345: Environmental History (L) (3)
HST 377: Sports in United States History (3)
HST 379: History of College Sports (3)
HST 400: Topics in American Historical Periods (3)
HST 405: Colonial American History to 1763 (SB \& H) (3)
HST 406: American Revolution/1763-1789 (SB \& H) (3)
HST 407: Early U.S. Republic/1789-1850 ((L or SB) \& H) (3)
HST 408: Civil War and Reconstruction ((L or SB) \& H) (3)
HST 409: Emergence Modern U.S. 1877-1918 (SB \& H) (3)
HST 410: Modern U.S., 1918 to 1945 (SB \& H) (3)
HST 411: Postwar U.S., 1945-1973 (SB \& H) (3)
HST 412: Contemporary U.S., 1973- Present (SB \& H) (3)
HST 413: Contemporary America ((L or SB) \& H) (3)
HST 414: Political Thought and Leadership (3)
HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) \& H \& C) (3)
HST 416: Western Rivers (L \& H) (3)
HST 419: 20th Century Chicano/a History (C) (3)
HST 443: The United States and Latin America (SB \& G \& H) (3)
HST 448: Mexican/U.S. Border (3)
HST 456: The Vietnam War (SB \& G \& H) (3)

Elective -- 3 credit hours
HST 100: Global History to 1500 (HU \& H \& G) (https://webapp4.asu.edu/catalog/courselist?s=HST\&l=upperdivision\&t=2187\&hon=F" > HST Upper Division Elective (3)

## ASU Online Minor Requirements

ASU Online Lower-Division Core Survey Courses (choose two courses) -- 6 credit hours
HST 101: Global History Since 1500 (HU \& H \& G) (3)
HST 109: United States to 1865 ((HU or SB) \& H) (3)
HST 110: United States Since 1865 (SB \& H) (3)

ASU Online Upper-Division Courses in African, Asian or Latin American History (choose one course)
HST 302: Gender and Sexuality in Islam ((HU or SB) \& G \& H) (3)
HST 303: China,Japan \& East Asia in World History (SB \& H), The British Empire in Asia (SB \& H) (3)
HST 372: Modern Middle East (SB \& G \& H) (3)
HST 391: Modern Southeast Asia (SB \& G \& H) (3)
HST 456: The Vietnam War (SB \& G \& H) (3)

ASU Online Upper-Division Courses in European History (choose one course)
HST 304: Europe in World History Since 1789 (SB \& H), Europe in World History to 1715 (SB \& H), Witchcraft and Christianity in the Atlantic World
(SB \& H) (3)
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (3)
HST 361: Witchcraft and Heresy in Europe ((L or HU) \& H) (3)
HST 364: Sex and Society in Modern Europe ((L or SB) \& H) (3)

ASU Online Upper-Division Courses in U.S. History (choose one course)
HST 306: Studies in United States History ((HU or SB) \& H) (3)
HST 325: Immigration and Ethnicity in the United States (SB \& H \& C) (3)
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H) (3)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H) (3)
HST 340: American Military History (SB \& H) (3)
HST 406: American Revolution/1763-1789 (SB \& H) (3)
HST 408: Civil War and Reconstruction ((L or SB) \& H) (3)
HST 413: Contemporary America ((L or SB) \& H) (3)
HST 456: The Vietnam War (SB \& G \& H) (3)

ASU Online Elective -- 3 credit hours
HST Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in history; BA in history (secondary education); BAE in secondary education (history)

Other Enrollment Requirements: None

To declare the minor, students must make an appointment with an academic advisor in the School of Historical, Philosophical and Religious Studies.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Liberal Arts \& Sciences, College of Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/193
COOR 3307
SHPRSadvising@asu.edu
480-965-8364
History Minor (LSHISMIN)

## Description:

The minor in history focuses on American history, European history, Southwest history, environmental history and related fields.

## Program Requirements:

The history minor consists of 18 credit hours.

Required Courses -- 18 credit hours
HST Upper Division Elective (12)
Notes: Six credit hours must be taken through the College of Integrative Sciences and Arts.
HST Elective (6)
All course work for the minor must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or higher.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA in history; BA in history of science, ideas and innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526
History of Science, Ideas and Innovation Minor (LSHSIIMIN)
Campus: Polytechnic

## Description:

Science and technology shape every facet of modern human life, but all too frequently, underlying histories and ideas go unexamined. The minor program in the history of science, ideas and innovation helps students understand how society reached this point (and helps them reflect on what the future might hold) by providing a foundation in the social and intellectual issues central to understanding the intertwined histories of science, technology and ideas.

## Program Requirements:

The minor of history of science, ideas and innovation requires 15 credit hours, as follows:

1. A minimum of six upper-division credit hours in the minor must be taken in courses offered through the College of Integrative Sciences and Arts.
2. Courses that count toward the minor must have a grade of " C " (2.00 on a scale of 4.00 ) or higher.
3. Twelve credit hours of upper-division history courses are required.

Required Course -- 3 credit hours
HST 280: History of Science, Ideas and Innovation (3)

Elective Courses -- 12 credit hours
HST 309: Exploration and Empire ((L or HU) \& H) (3)
HST 318: History of Engineering ((L or SB) \& G) (3)
HST 319: History of Aviation (3)

HST 345: Environmental History (L) (3)
HST 380: Studies in the History of Science (3)
HST 381: Studies in the History of Ideas (3)
HST 382: Studies in the History of Innovation and Technology (3)
HST 482: Writing and the History of Science, Ideas and Technology (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00 cumulative GPA

Majors Ineligible to Add This Minor: BA in history; BA in history of science, ideas and innovation

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

## Human Nutrition Minor (ECNTRMIN)

Campus: Downtown Phoenix

## Description:

The human nutrition minor program is available to any ASU student interested in a strong scientific understanding of human nutrition.

## Program Requirements:

The minor requires students to take the following courses, for a total 19 credit hours. All courses in the minor require a minimum grade of " C " ( 2.00 on a 4.00 scale) or higher.
Students pursuing the BS in Nutrition (Human Nutrition), Nutrition (Dietetics) or BS Nutrition may not add this minor.

Required minor courses -- 19 credit hours
NTR 241: Human Nutrition (3)
NTR 341: Medical Nutrition Therapy I (3)
NTR 440: Advanced Human Nutrition I (3)
NTR 441: Advanced Human Nutrition II (3)
NTR 444: Medical Nutrition Therapy II (3)
NTR 446: Medical Nutrition Therapy III (4)

Additional prerequisite requirements: CHM 101 or 113, BIO 201, BIO 202 and BCH 361
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in nutrition; BS in nutrition (dietetics); BS in nutrition (human nutrition); BS in health sciences (healthy lifestyles coaching); BAS in applied science (food service management)

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300

## Human Systems Engineering Minor (ESHSEMIN)

Campus: Polytechnic

## Description:

The minor program in human systems engineering in the Ira A. Fulton Schools of Engineering provides students with an understanding of the science of human performance and with experience, using methods and tools that will enable them to apply their understanding to design and problem-solving. These skills can be used in a wide variety of domains, such as product usability, learning design, sports performance, and workplace and hospital safety.

A broad range of professions need experts in human factors to work on problems that involve an understanding of human performance. Interest areas include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, health psychology, learning optimization, social cognition, threat detection and sports psychology.

## Program Requirements:

The minor requires 21 credit hours. All required minor courses must be passed with a " C " ( 2.00 on a 4.00 scale) or better.

Required Courses -- 18 credit hours
HSE 101: Introduction to Human Systems Engineering (SB) (3)
HSE 225: Human Systems Integration (3)
HSE 230: Statistics for Human Systems Research I (CS) (3)
HSE 290: Experimental Methods for Human Systems Research (L) (3)
HSE 323: Perceptual Systems (SB) or HSE 324: Applied Cognitive Science (SB) (3)
HSE 325: Human-Computer Interaction (3)

Elective Course -- 3 credit hours
HSE 422: Human Factors in Sport (3)
HSE 423: Human Factors in Transportation (3)
HSE 424: Human Automation Interaction (3)
HSE 425: Human Factors in Medical Systems (3)
HSE 426: Training and Expertise (3)
HSE 427: Designing for Learning (3)
HSE 428: Judgment and Decision Making (3)
HSE 429: Product Design and Evaluation (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

To add the minor in human systems engineering, a student must be in junior status and have at least a 2.00 cumulative GPA.

## Enrollment Requirements:

GPA Requirement: minimum 2.00 GPA

Majors Ineligible to Add This Minor: BS in human systems engineering

Interested students must have at least junior status. Students should consult with a Polytechnic School advisor to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should go to https://fultonapps.asu.edu/advising (https://fultonapps.asu.edu/advising)

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu/hse/
WANER 240J
polyadvising@asu.edu
480-727-1874

## Innovation in Society Minor (FIFISMIN)

Campus: Tempe

## Description:

The minor program in innovation in society equips students with the tools needed to analyze how science, technology and other social forces shape our present and future. Students cultivate the critical-thinking skills needed to develop creative strategies that steer innovation towards the needs and values of society. Students are trained to synthesize research and theory from the social sciences, humanities, natural sciences and engineering so they can develop proposals for how to build better futures. It will enable students to understand the broader context of their major and help them to bridge those studies with other disciplines to develop more encompassing solutions to important problems.

## Program Requirements:

FIS 111: Welcome to the Future (3)
FIS 201: Innovation in Society (H) (3)
FIS 305: Ways of Knowing (L) (3)
FIS Upper Division Elective (3)
FIS Upper Division Elective (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

Enrollment Requirements:
GPA Requirement: 2.00

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Future of Innovation in Society, School for the
School for the Future of Innovation in Society
https://sfis.asu.edu/degree/innovation-society-1
INTDSB 256
sfisundergrad@asu.edu
480-727-0627

## Integrative Health Minor (NUIHLTMIN)

Campus: Downtown Phoenix, West

## Description:

The integrative health minor program provides students with the foundational knowledge to approach health from a holistic perspective that focuses on the mind, body and spirit. The minor program provides an overview of holistic approaches as well as emphasizes research, evidence-based approaches and the legal, ethical, historical and cultural foundations of integrative health care.

## Program Requirements:

This minor requires 18 credit hours.

Required Courses -- 15 credit hours
HCR 241: Foundations of Integrative Health (3)
HCR 341: Biological, Manipulative, and Body-Based Therapies (3)
HCR 342: Mind-Body and Energy Therapies and Modalities (3)
HCR 343: Historical and Cultural Foundations of Integrative Health Care (3)
HCR 440: Interprofessional Approaches to Integrative Health Care (3)

Elective -- 3 credit hours
BIO OR CHM Elective (3-4)

A "C" (2.00 on a 4.00 scale) or better is required in all courses.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: minimum 2.00 GPA

Majors Ineligible to Add This Minor: BS in integrative health

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/non-degree/minors
MERCC 250
CONHI_advising@asu.edu
602-496-0888

## Integrative Social Science Minor (LSISSMIN)

Campus: Polytechnic

## Description:

The minor program in integrative social science is designed to provide general education in the social sciences for individuals who desire exposure to the variety of theories and methods of social scientists. The minor is useful to engineers, technologists and other professionals whose specialized education may not have given them access to social science research theories and methodologies, although their professional activities demand knowledge of those tools. The minor may also be pursued by any individual for general knowledge.

## Program Requirements:

The minor requires 18 credit hours. All students must complete the 15 credit hours of required courses and 3 credits from the list of electives.

Because of their specific design for this particular minor, required courses for the 15 credit hours cannot be substituted. All courses used to meet the three-credit hour elective component must be upper-division (numbered 300- to 400-level). Transfer hours cannot be used to meet the requirements for the 15 credit hours of courses required.
Required Courses -- 15 credit hours
ISS 301: Integrated Social Science Research Methods (SB) (3)
ISS 302: Scope of Social Science (SB) (3)
ISS 304: Integrated Theories of Social Science (SB) (3)
ISS 401: Statistics for Integrated Social Science (3)
STS 304: Science, Technology, and Society (SB) (3)
Elective Course -- 3 credit hours
POS 325: Public Policy Development (SB) (3)
POS 485: Political Economy (SB) (3)
SOC 332: The Modern City (G) (3)
SOC 352: Social Change (SB \& G \& H) (3)
SOC 420: Sociology of Religion (L or SB) (3)
SOC 421: Education and Society (SB) (3)
STS 306: Social Effects of Science and Technology (SB) (3)
STS 317: Science, Technology, and Global Engagement (SB \& G) (3)
STS 329: Technology in Developing Countries (SB \& G) (3)
STS 330: Information Technology and Globalization (SB \& G) (3)
STS 331: Ethical Issues in Science and Technology (SB) (3)
STS 332: Global Issues in Science and Technology (SB) (3)
STS 364: Science, Technology, and National Security (SB) (3)
WST 300: Women and Gender in Contemporary Society (SB \& C) (3)
WST 380: Race, Gender, and Class (SB \& C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

## Interdisciplinary Organizational Studies Minor (ASIOSMIN)

Campus: West

## Description:

The minor in interdisciplinary organizational studies, offered by the School of Social and Behavioral Studies, is designed to increase understanding of the behavior and the dynamics of individual, group and organizational processes in the workplace. It incorporates perspectives from the behavioral and social sciences, communication studies and management. The minor is learner-centered and allows students to select course work that matches their career and educational goals.

## Program Requirements:

The minor in interdisciplinary organizational studies consists of 21 credit hours (a minimum of 18 credit hours must be upper division). The research methods course must be approved by an academic advisor prior to enrollment. Students will complete 12 credit hours in courses focused on organizations and three credit hours from courses focused on diversity within organizations. The internship site must be approved by the Internship Advisor prior to enrollment. All courses used to satisfy the requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
PSY 453: Organizational Behavior (SB) (3)
Research Methods course must be chosen in consultation with an academic advisor in the School of Social and Behavioral Sciences from the following:
COM 308: Advanced Research Methods in Communication (L) (3)
PSY 230: Introduction to Statistics (CS) (3)
SBS 304: Social Statistics I (CS) (3)

Cluster 1 Courses Focused on Organizations -- 12 credit hours
Choose four courses from the following list:
COM 320: Communication and Consumerism (SB) (3)
COM 400: Dissent in Organizations (HU \& C) (3)
COM 450: Organizational Communication (SB) (3)
COM 451: Communication and Work Relationships (3)
COM 453: Communication Training and Development (3)
PHI 360: Business and Professional Ethics (HU) (3)
PSY 482: Social Influence and Consumer Behavior (SB) (3)
PSY 484 / COM 484: Internship or SOC 484: Internship (3)
SOC 443: Sociology of Corporations (SB \& G) (3)

Cluster 2 Courses Focused on Diversity Within Organizations -- 3 credit hours
Choose one course from the following list:
COM 463: Intercultural Communication in a Global Context (SB \& G) (3)
POS 437: Women, Power, and Politics (G) (3)
SOC 270: Racial and Ethnic Relations (SB \& C) (3)
SOC 400: Perspectives on Aging (SB) (3)
SOC 426: Social Inequality (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements: <br> GPA Requirement: None

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

The minor in interdisciplinary organizational studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/interdisciplinary-organizational-studies-minor
FAB N100
sbsadvising@asu.edu
602-543-3000

## Interior Design History Minor (ARINTMIN)

Campus: Tempe

## Description:

The minor in interior design history is available to students interested in design and culture. The courses designated for the minor are part of the professional studies in interior design environments and serve to inform students about the evolution of interiors, furnishings and decorative arts from ancient Egypt to the present. The coursework introduces theories informing the profession of interior design, while also examining cultures from around the globe, as they influence human needs and behaviors in the living and working environment.

## Program Requirements:

A minimum of 18 credit hours ( 12 credit hours of which must be from the 300 or 400 level) are required for the minor. A minimum grade of " C " ( 2.00 ) is required in all classes for the minor. To enhance the understanding of the subject matter, the selected courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which any of these courses are offered. A minimum GPA of 2.50 in minor courses is required to earn the minor in Interior Design History.

Required Courses -- 12 credit hours
DSC 101: Design Awareness (HU \& G) (3)
INT 111: Interior Design Issues and Theories (HU) (3)
INT 310: History of Interior Design I (HU \& H) (3)
Notes: INT 310 requires a prerequisite of ARS 102 Art from Renaissance to Modernism with a C or better.
INT 311: History of Interior Design II (HU \& H) (3)

Interior Design History Courses -- 6 credit hours
INT 412: History of Decorative Arts in Interiors (HU) (3)
INT 413: History of Textiles in Interior Design (3)
INT 415: Latin American Design (3)
INT 494: Contemporary Design Issues in Europe (3)
INT 494: Design and Context (3)
INT 494 Contemporary Design Issues in Europe and INT 494 Design and Context are offered as part of a summer study abroad program only.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.50

Majors Ineligible to Add This Minor: BSD in interior design

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for
The Design School
http://herbergerinstitute.asu.edu/degrees/design.php
CDN 162
herbergeradvising@asu.edu
480-965-3536
Italian Minor (LAITAMIN)
Campus: Tempe

## Description:

Students pursuing a minor in Italian gain an understanding of the language, literature and cultures of Italian-speaking peoples and regions. Students
are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Students should go to https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages (https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages) for more information.

## Program Requirements:

The Italian minor requires 18 credit hours. A minimum of 12 credit hours must be upper-division. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours
ITA 311: Speak Italy: Language, People, Culture (G) or ITA 312: Write Italy: Language, People, Culture (L \& G) or ITA 319: Italian for Professions (3)

ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans or ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) (3)

Electives -- 12 credit hours
Students may use a maximum of six credit hours of 200-level ITA courses. If both ITA 201 and ITA 202 are completed the additional two credit hours will be counted toward university elective credit. All remaining electives must be upper-division ITA courses, of which at least three credit hours must be completed at the 400 -level.
ITA 201: Intermediate Italian I (G) (4)
ITA 202: Intermediate Italian II (G) (4)
ITA 210: Intensive Italian II (G) (6)
ITA 311: Speak Italy: Language, People, Culture (G) (3)
ITA 312: Write Italy: Language, People, Culture (L \& G) (3)
ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU \& G) (3)
ITA 319: Italian for Professions (3)
ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (3)
ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) (3)
ITA 413: Advanced Italian (G) (3)
ITA 414: French and Italian Popular Culture (3)
ITA 420: Italian Cinema (L \& G) (3)
ITA 430: Italian Literature of the Middle Ages (HU) (3)
ITA 441: Dante: Divina Commedia (L or HU) (3)
ITA 443: Italian Literature of the Renaissance (HU \& H) (3)
ITA 484: Internship (3)
Additional courses can be used toward minor electives with permission of an academic advisor in the School of International Letters and Cultures.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA in Italian

Other Enrollment Requirements: None

Students who wish to add a minor in Italian to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of School of International Letters and Cultures
https://silc.asu.edu/degrees/italian-0
LL 440
silcadvising@asu.edu
480-965-6281

## Justice Studies Minor (LAJUSMIN)

Campus: Tempe, Online

## Description:

The minor in justice studies is designed for students interested in developing an understanding of the meaning of justice and injustice and analyzing controversial issues. In addition to the two required courses, which provide a solid understanding of the field, students will be able to select electives to meet their specific interests.

## Program Requirements:

The minor requires a minimum of 18 credit hours. At least 12 credit hours must be at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours
JUS 105: Introduction to Justice Studies (SB) or JUS 305: Principles of Justice Studies (SB) (3)
JUS 303: Justice Theory (L) (3)

Electives -- 12 credit hours
JUS Upper Division Elective (12)
Select any JUS course except JUS 301, JUS 302 or any course listed as a required course for JUS majors.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA and BS in justice studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.asu.edu/node/1113
WILSN 125
SSTadvising@asu.edu
480-965-7682
Kinesiology Minor (NHKINMIN)
Campus: Downtown Phoenix, Lake Havasu

## Description:

The minor program in kinesiology introduces students to the concepts, theories, research and careers related to the four major subdisciplines of kinesiology (motor behavior, exercise and health psychology, biomechanics and exercise physiology). Students in the minor select one of these four subdisciplinary areas as the area of emphasis on which to focus in the upper-division requirements for the minor.

## Program Requirements:

18 credit hours are required for the minor. Depending upon a student's program of study, prerequisite courses may be needed in order to complete the requirements of this minor. There are course prerequisites for a number of courses in the minor.

Students will begin by taking KIN 101 Introduction to Kinesiology and KIN 290 Introduction to Evidence-Based Practice. After this students will select a track in one of the four subdisciplines.
*All track courses must come from a single track.

Required Core Courses for all Tracks -- 6 credit hours
KIN 101: Introduction to Kinesiology (3)
KIN 290: Introduction to Evidence-Based Practice (L) (3)

Biomechanics Track

Biomechanics Required Course -- 3 credit hours
KIN 335: Biomechanics (3)

Biomechanics Track Elective Courses (choose three courses) -- 9 credit hours
KIN 334: Functional Anatomy and Kinesiology (3)
KIN 412: Biomechanics of the Skeletal System (3)
KIN 415: Theory of Corrective Exercise (3)
KIN 418: Experimental Neuromechanics (3)
KIN 494: Functional Anatomy of Low Back Pain (3)

Exercise Physiology Track

Exercise Physiology Track Required Course -- 3 credit hours
KIN 340: Physiology of Exercise (3)

Exercise Physiology Track Elective Courses (choose three courses) -- 9 credit hours
KIN 334: Functional Anatomy and Kinesiology (3)
KIN 440: Exercise Biochemistry (3)
KIN 441: Physiology of Women in Sport (L) (3)
KIN 442: Fuel Metabolism (3)
KIN 443: Exercise Endocrinology (L) (3)
KIN 444: Metabolic Adaptations to Exercise Training (3)
KIN 446: Pediatric Obesity (3)
KIN 447: ECG Interpretation (3)
KIN 460: Theory of Strength Training (L) (3)
KIN 494: Muscle Physiology (3)
KIN 494: Advanced Exercise Physiology (3)
KIN 494: Cardiovascular Exercise Physiology (3)

Exercise/Health Psychology Track

Exercise/Health Psychology Track Required Course -- 3 credit hours
KIN 352: Psychosocial Aspects of Physical Activity (SB \& C) (3)

Exercise/Health Psychology Track Elective Courses (choose three courses) -- 9 credit hours
KIN 334: Functional Anatomy and Kinesiology (3)
KIN 450: Biopsychosocial Perspectives on Physical Activity and Health (3)
KIN 452: Exercise Psychology (SB) (3)
KIN 454: Motivational Theory in Exercise and Health (3)

Motor Behavior Track

Motor Behavior Track Required Course -- 3 credit hours
KIN 345: Motor and Developmental Learning (3)

Motor Behavior Track Elective Courses (choose three courses) -- 9 credit hours
KIN 334: Functional Anatomy and Kinesiology (3)
KIN 421: Human Motor Control (L) (3)
KIN 422: Motor Control in Special Populations (L) (3)
KIN 423: Motor Control and Aging (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in kinesiology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
CHS@asu.edu
602-496-3300

## Korean Minor (LAKORMIN)

Campus: Tempe

## Description:

The Korean minor program is designed to enrich and deepen students' understanding of Korea by placing special emphasis on obtaining a high level of language proficiency in Korean, as well as gaining extensive knowledge of Korean literature, culture, film and linguistics, which are necessary for professional or academic endeavors in areas related to Korea or East Asia.

## Program Requirements:

The minor in Korean consists of 18 upper-division credit hours in the field. All courses must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or higher. At least 12 credit hours must be taken in courses taught by ASU or completed through an a study abroad program administered by ASU and officially recognized by the Korean program.

Required Courses -- 6 credit hours
KOR 313: Third-Year Korean I (G) (3)
KOR 314: Third-Year Korean II (G) (3)

Electives (Select four courses) -- 12 credit hours
KOR 347: Korean Film and Literature (HU) (3)
KOR 350: Women of Korea (H) (3)
KOR 375 / SLC 375: Intercultural Communication in Korea (3)
KOR 415 / SLC 415: Korean Popular Culture (3)
KOR 457 / SLC 457: Premodern Korea in a Global Context (3)

Pass/Fail courses cannot be used toward minor requirements.
Students wishing to add the minor must have completed KOR 202 with a grade of " C " ( 2.00 on a 4.00 scale) or higher or demonstrate an equivalent level of proficiency on a placement test.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to add this Minor: None

Other Enrollment Requirements: Students must have completed KOR 202 Second-Year Korean II with a minimum course grade of a "C" (2.00 on a 4.00 scale) or better or have an equivalent level of Korean language proficiency.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/
LL 440
silc@asu.edu
480-965-6281

## Landscape Studies Minor (ARLNDMIN)

Campus: Tempe

## Description:

The minor in landscape studies is designed for students who have an interest in landscape architecture but are pursuing a major in another field The course selection is intended to provide greater understanding of landscape architecture issues that may be relevant in related professional disciplines and to broaden knowledge about the landscape in which we live

## Program Requirements:

A minimum of 18 credit hours (to include 12 credit hours of upper-division course work) are required for the minor. A minimum grade of " C " ( 2.00 ) is required in all classes for the minor.
A minimum GPA of 2.50 in minor courses is required to earn the minor in landscape studies.

Required Courses -- 12 credit hours
ALA 102: Landscapes and Sustainability (HU \& G) (3)
LAP 254: Plant Materials (3)
LPH 310: History of Landscape Architecture (HU \& H) (3)
LPH 311: 20th-Century Landscape Architecture (HU) (3)

Landscape Architectural History and Theory -- 6 credit hours
Six additional upper division credit hours of electives in the landscape architecture history and theory concentration must be selected from the following list:
LAP 352: Ecosystems and Sustainable Design (3)
LAP 485: International Field Studies (1-6)
LAP 494: Special Topics (3)
LDE 494: Applied Landscape Architecture (3)
LPH 394: Special Topics (3)
LPH 411: Landscape Architecture Theory and Criticism (L) (3)
LPH 494: Special Topics (3)
LPH 499: Individualized Instruction (1-3)
Notes: LPH 499 requires a petition to The Design School.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.50

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu/
CDN 162
herbergeradvising@asu.edu
480-965-3536

## Latin American Studies Minor (ASLASMIN)

Campus: West

## Description:

The minor in Latin American studies is designed for students who have an interest in becoming proficient in Spanish and who wish to carry out work and research in areas not related exclusively to literature. This program offers a learner-driven model in which the student's specific interests are deepened through the study of Latin America. It is transdisciplinary and allows for flexibility in course selection, while also instilling a breadth and depth of knowledge about issues surrounding Latin America. Students who pursue this minor are widely marketable upon graduation for fields as diverse as business, arts administration, teaching, nonprofit organizations, health care and the sciences.

## Program Requirements:

The minor in Latin American studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper division courses must be taken from the School of Humanities, Arts, and Cultural Studies and a minimum of 12 credit hours must be completed at ASU. Students must demonstrate Spanish language proficiency by meeting the prerequisites of the upper division Latin American elective courses, one of which must be taught in Spanish, or by taking Spanish language classes up through SPA 325. All courses used to satisfy the requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 9 credit hours
LAS 205: Deep Roots: Latin America (HU \& G) (3)
LAS 206: Locating Latin America:Interdisciplinary Methods (3)
LAS 330: From the Inside: The Latin American Journey (HU) (3)

Latin American Studies Electives -- 9 credit hours
Choose three upper-division courses from Latin American elective courses below, one of which must be taught in Spanish (courses with a SPA prefix are taught in Spanish). Special topics courses require academic approval prior to enrollment to ensure the course is taught in Spanish.
AMS 330: American Lives (HU \& C) (3)
AMS 428: Chicano Cultures in the Southwest (SB) (3)
AMS 450 / ETH 450 / LAS 450: Latina/os, Schooling and Social Inequality (C) (3)
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB \& C) (3)
ETH 430 / LAS 430 / WST 430: Gender on the Borderlands (SB \& G) (3)
ETH 473 / LAS 473 / WST 473: Indigenous and Latina/Chicana Representation (SB \& C) (3)
HST 305: Studies in Latin American History (SB \& H) (3)
HST 375: Colonial Latin America (SB \& H) (3)
HST 376: Modern Latin America (SB \& H) (3)
HST 404: Conquest and Encounters in Colonial Latin America (L \& G) (3)
HST 441: Latin America and the World Economy (L \& G \& H) (3)
IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) (3)
IAP 473: Aesthetic Research (L or HU) (3)
IAP 474: Art and Film (L or HU) (3)
IAS 406 / PHI 406: Moral Dilemmas (L or HU) (3)
LAS 340 / WST 341: Latin American Women Writers (3)
LAS 350: The Construction of a Nation: Chile in the 20th/21st Century (3)
LAS 351: Cityscapes: Urban Mexican Literature and Culture (3)
LAS 355: Contemporary Mexican Cinema: Changing Cartographies (3)
LAS 471: Treaties and Cultural Production in Spain and the Americas (3)

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) (3)
LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU \& G) (3)
PHI 306: Applied Ethics (HU) (3)
PHI 360: Business and Professional Ethics (HU) (3)
POS 354: Central American Studies (SB \& G) (3)
POS 454: Mexico (SB \& G) (3)
POS 456: Latin American Cities (SB \& G) (3)
POS 464: Border Cities: Action Research on Globalization (SB \& G) (3)
SPA 325: Introduction to Hispanic Literature (HU) (3)
SPA 413: Advanced Spanish Grammar (G) (3)
SPA 426: Literature and Society in Modern Spain (HU) (3)
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)
SPA 429: Writing Mexico: Major Texts ((L or HU) \& G) (3)
SPA 434: Drama of the Golden Age (3)
SPA 456: 20th-Century Spanish American Fiction (3)
SPA 464: Jaitón Works in Chicano/a Literature ((HU or SB) \& C) (3)
SPA 472: Latin American Society: Five Case Studies (HU \& H \& G) (3)
SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) \& G) (3)
SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in Latin American studies; BA in social and cultural analysis (Latin American studies)

Other Enrollment Requirements: None

The minor in Latin American studies is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/latin-american-studies-minor
FAB N100
harcsadvising@asu.edu
602-543-3000

## Materials Science and Engineering Minor (ESMSEMIN)

Campus: Tempe

## Description:

The materials science and engineering minor is designed to give science and engineering majors an in-depth understanding of materials, including their structure, processing, properties and performance.

## Program Requirements:

Students are required to take five courses and one lab (minimum of 16 credits), listed below:

Required Courses -- 12 credit hours
MSE 250: Structure and Properties of Materials (3)
MSE 355: Structure and Defects (3)
MSE 356: Structures, Properties, and Defects Lab (https://webapp4.asu.edu/catalog/courselist?s=MSE\&I=300-399\&t=2187\&hon=F" > MSE 3**

Materials-related Lab Course -- 1 credit hours
MSE 421: Physical Metallurgy Laboratory (1)
MSE 451: Introduction to Materials Characterization Lab (1)

Materials-related Course -- 3 credit hours
BME 318: Biomaterials (4)
CEE 353: Civil Engineering Materials (4)
CHM 471: Solid-State Chemistry (3)
EEE 352: Properties of Electronic Materials (4)
EEE 436: Fundamentals of Solid-State Devices (3)
PHY 481: Materials Physics I (https://webapp4.asu.edu/catalog/courselist?s=MSE\&l=300-399\&t=2187\&hon=F" > MSE 3** Elective (3)
MSE 4** Elective (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.75 GPA

Majors Ineligible to Add This Minor: BA in interdisciplinary studies with a concentration in materials science and engineering

Other Enrollment Requirements: Students need sophomore status and a minimum of a 2.75 ASU and transfer GPA to enroll in the materials science and engineering minor. To earn the minor, students must receive a 2.50 GPA in all minor courses. Students adding the minor will also need to complete MAT 265 (MAT 270), MAT 242 (MAT 342 or 343), and CHM 114 or CHM 113 and 116.

Interested students should consult with a School for Engineering of Matter, Transport and Energy advisor to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, students should contact the SEMTE advising office at (480) 965-2335 or semte@asu.edu (mailto:semte@asu.edu).

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Materials Science and Engineering Program
https://semte.engineering.asu.edu/materials-science-undergraduate/
ECG 202
semte@asu.edu
480-965-2335

## Mathematics Minor (ASMATHMIN)

Campus: West

## Description:

The minor in mathematics, offered by the School of Mathematical and Natural Sciences, explores the study of higher mathematics. It is designed to enable the student to understand the mathematics most commonly used in business, economics and science. It is expected that students in the minor will be able to reason and to find creative solutions to problems that are either presented to them or meaningfully formulated by them. The minor is recommended for students who plan to major in interdisciplinary arts and sciences, biology or business and for those who are preparing for further graduate study.

## Program Requirements:

The minor in mathematics consists of a minimum of 23 credit hours ( a minimum of 12 credit hours must be upper division). A minimum of nine credit hours must be taken from the School of Mathematical and Natural Sciences. Elective courses not on list should be approved by an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

MAT 271: Calculus with Analytic Geometry II (MA) (4)
MAT 272: Calculus with Analytic Geometry III (MA) (4)
MAT 300: Mathematical Structures (L) (3)
MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

Elective Courses -- 9 credit hours
Choose three electives from the following, for a total of nine credits.
MAT 310: Introduction to Geometry (3)
MAT 371: Advanced Calculus I (3)
MAT 411: History and Philosophy of Mathematics (HU \& H) (3)
MAT 443: Introduction to Abstract Algebra (3)
MAT 445: Theory of Numbers (3)
STP 280: Probability and Statistics for Researchers (CS) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

The minor in mathematics is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/mathematics-minor
FAB N100
mnsadvising@asu.edu
602-543-3000

## Mathematics Minor (LAMATMIN)

Campus: Tempe

## Description:

The minor in mathematics is designed for students who want to further their knowledge of mathematics. It is beneficial for students majoring in such disciplines as physics, engineering, business, economics, the life and social sciences or any field where there is a need for quantification in the analysis of phenomena.

## Program Requirements:

The minor in mathematics consists of a minimum of 18 credit hours, of which at least 12 must be upper-division. A grade of " C " ( 2.00 on a 4.00 scale) or better is required for courses used in the minor.

Required Courses -- 9 credit hours
A minimum of 9 credit hours is required. Students completing MAT 271 and MAT 272 will complete a total of 11 credit hours.
MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)
MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)
MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra (3)

Electives -- 9 credit hours
Upper Division Electives - In consultation with an academic advisor in the School of Mathematical and Statistical Sciences, students choose nine

Students may not apply ACT 491, MAT 411 or MAT 485 or any course not offered by the College of Liberal Arts and Sciences to the minor, unless approved by an academic advisor in the School of Mathematical and Statistical Sciences prior to registration.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science; BS in statistics; BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

Students should confer with an academic advisor in the School of Mathematical and Statistical Sciences before declaring the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/
WXLR A211
math@asu.edu
480-965-7195

## Media Analysis Minor (CSCMOMINA)

Campus: Downtown Phoenix, Online

## Description:

The mass media, more than ever before, play vital roles in how information is disseminated and how societies are shaped and function. As traditional forms of media and information dissemination change rapidly in an increasingly technological world, it is more important than ever for students to understand the way that media work as well as learn to evaluate the messages that are sent.

In the media analysis minor, students learn to understand the roles that media play, how they are changing and their impact. Students are given the tools they need to critically evaluate, analyze and interpret media messages in order to become wise consumers of media.

## Program Requirements:

The minor of media analysis consists of 18 credit hours of course work. This is a requirement consistent with many other minor programs at Arizona State University and at other colleges and universities. The focus of the program is on media analysis. Students in the minor will concentrate on evaluating the impact of information dissemination rather than on topics that focus on the practice of gathering and distributing messages. Students in the minor may not register for courses in the professional journalism major.
To take upper-division courses, students must be at least sophomores ( 25 credit hours). To pursue the minor in media analysis, they must maintain a minimum 2.00 overall GPA, obtain a minimum grade of "C" ( 2.00 on a 4.00 scale) in each course in the minor and have a major other than journalism and mass communication, sports journalism, or mass communication and media studies.

Required Courses -- 9 credit hours
MCO 120: Media and Society (SB) (3)
MCO 240: Media Issues in American Pop Culture (3)
MCO 418: History of Mass Communication (SB \& H) (3)

Elective Courses -- 9 credit hours
MCO 302: Media Research Methods (3)
MCO 430: International Mass Communication (G) (3)
MCO 435: Social Media (3)

MCO 450: Visual Communication (HU) (3)
MCO 455: War and Mass Media (3)
MCO 456: Political Communication (SB) (3)
MCO 460: Race, Gender, and Media (C) (3)
MCO 465: Sports and Media (3)
MCO 473: Sex, Love, and Romance in the Mass Media (SB) (3)
MCO 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA in journalism and mass communication; BA in sports journalism and mass communication; BA in media studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor or the department offering the minor for more information:
https://cronkite.asu.edu/undergrad/minor_media_analysis (https://cronkite.asu.edu/undergrad/minor_media_analysis).

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm
https://cronkite.asu.edu/undergrad/minor_media_analysis
CRONK 222
cronkiteadvising@asu.edu
602-496-5055

## Medical Studies Minor (NHMESTMIN)

Campus: Downtown Phoenix, West

## Description:

The minor program in medical studies focuses on preparing students for work in clinical medicine, to include both direct and indirect patient care. Students take coursework in historical aspects of medicine and in the impact of violence upon health, health disparities, as well as leadership and professionalism. Students have the option of selecting an internship course that will enhance application of core concepts. The School for the Science of Health Care Delivery serves as a connection between the business of medicine and clinical practice.

## Program Requirements:

Students must earn a 'C' or better in courses used for the minor.

Required Courses -- 15 credit hours
HCD 330: Health Care Systems in the U.S. (3)
MED 300: Historical and Contemporary Issues in Health (L) (3)
MED 417: Impact of Violence on Health (3)
MED 445: Science of Helping in Health (3)
MED 450: Leadership and Professionalism (3)

Elective Course (choose one course) -- 3 credit hours
HCD 303: Global Health Care Systems (G) (3)
IBC 420: Population Health Management (3)
MED 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in medical studies; BS in science of health care delivery; BS in health sciences

Other Enrollment Requirements: Students must complete a minimum of 30 credit hours prior to adding the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Health Solutions, College of
School for the Science of Health Care Delivery
https://chs.asu.edu/programs/medical-studies
HLTHS 444AA
med@asu.edu
602-496-3300

## Military Leadership Minor (LAMISMIN)

Campus: Tempe

## Description:

The minor in military leadership is designed to enhance students' learning experience by providing tools that prepare them for leadership roles in various organizations. Students complete courses that cover academic and practical skills in many areas, including:

- effective communication
- leadership ethos
- negotiation
- problem-solving
- staff motivation and empowerment
- team-building


## Program Requirements:

The minor in military leadership requires a minimum of 18 credit hours, 12 of which must be at the 300 - or 400 -level. Twelve credit hours must be taken in residence on an ASU campus. Each course must completed with a grade of "C" ( 2.00 on a 4.00 scale) or higher.
Students choose the option befitting their chosen branch of the military. An option is also provided for non-ROTC students wishing to benefit from the skills and knowledge developed in the minor.

Branch Specific Options -- 18 credit hours
The branch-specific options for Army, Air Force, and Navy require a minimum of 12 credit hours specific to the option and six credit hours chosen from a list of approved electives. Students choosing the Marine option will complete nine credit hours within the branch option courses and nine credit hours from the list of approved electives.

Army Option
MIS 301: Training Management and the Warfighting Functions (L) (4)
MIS 302: Applied Leadership in Small-Unit Operations (L) (4)
MIS 401: The Army Officer (4)
MIS 402: Company Grade Leadership (4)
Choose two courses from the list of approved electives
Air Force Option
AES 301: Air Force Leadership Studies I (L) AND AES 302: Leadership Laboratory (3)
AES 303: Air Force Leadership Studies II (L) AND AES 304: Leadership Laboratory (0)

AES 401: National Security Affairs (L) AND AES 402: Leadership Laboratory (3)
AES 403: Preparation for Active Duty II AND AES 404: Leadership Lab (3)
Choose two courses from the list of approved electives

Navy Option
NAV 301: Naval Ship Systems I (3)
NAV 302: Naval Ship Systems: Weapons (3)
NAV 401: Naval Operations and Seamanship (3)
NAV 402: Leadership and Ethics (3)
Choose two courses from the list of approved electives

Marine Option
NAV 303: Evolution of Warfare (3)
NAV 402: Leadership and Ethics (3)
NAV 403: Amphibious Warfare (3)
Choose three courses from the list of approved electives

Non-ROTC Option -- 18 credit hours
The minor also offers an option designed for non-ROTC students desiring the training provided by the minor. Student in the non-ROTC option complete three courses from a list of approved core courses and three courses selected from the list of approved electives.

Choose three courses from the following:
AES 301: Air Force Leadership Studies I (L) (3)
AES 303: Air Force Leadership Studies II (L) (3)
AES 401: National Security Affairs (L) (3)
AES 403: Preparation for Active Duty II (3)
MIS 301: Training Management and the Warfighting Functions (L) (4)
MIS 303: National Advanced Leadership Camp (4)
MIS 401: The Army Officer (4)
MIS 402: Company Grade Leadership (4)
NAV 301: Naval Ship Systems I (3)
NAV 302: Naval Ship Systems: Weapons (3)
NAV 303: Evolution of Warfare (3)
NAV 401: Naval Operations and Seamanship (3)
NAV 402: Leadership and Ethics (3)
NAV 403: Amphibious Warfare (3)
Choose three courses from the list of approved electives.

Approved Electives
Courses can only satisfy one requirement. No course used toward the branch-specific courses or the core courses for the non-ROTC option cannot be repeated as an elective.
AES 101: Air Force Today I (2)
AES 103: Air Force Today II (2)
AES 201: The Evolution of USAF Air and Space Power I (2)
AES 203: The Evolution of USAF Air and Space Power II (2)
AES 499: Individualized Instruction (3)
FAS 101: Personal Growth in Human Relationships (SB) (3)
FAS 331: Marriage and Family Relationships (SB) (3)
HST 372: Modern Middle East (SB \& G \& H) (3)
HST 408: Civil War and Reconstruction ((L or SB) \& H) (3)
HST 456: The Vietnam War (SB \& G \& H) (3)
MIS 101: Introduction to the United States Army (4)
MIS 102: Foundation of Agile and Adaptive Leadership (4)
MIS 201: Army Leadership and Decision Making (4)
MIS 202: Army Doctrine and Team Development (4)
MIS 499: Individualized Instruction (3)
NAV 101: Introduction to Naval Science (3)
NAV 102: Sea Power and Maritime Affairs (3)
NAV 202: Navigation (3)
REL 100: Religions of the World (HU \& G) (3)
REL 366: Islam in the Modern World (HU \& G) (3)

Additional electives may be used with the prior approval of the department chair.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in family and human development. Students in the history or religious studies BA programs may not use HST or REL courses to meet the elective requirement for this minor.

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of Military Science
https://militaryscience.clas.asu.edu
SS 330
ArmyROTC@asu.edu
480-965-3318
Music Minor (FAMUSMIN)
Campus: Tempe

## Description:

The music minor is designed for students who are interested in a broad introduction to the study of music. The program allows for a diverse exposure to traditional through contemporary music practices, with numerous course options based on students' interests.

## Program Requirements:

The School of Music offers a minor in music consisting of 24 credit hours of course work, including a minimum 12 upper-division credit hours. A minimum grade of "C" (2.00) is required in all courses.

Required Courses -- 12 credit hours
MHL 201: Media Literacy for Musicians (CS) (3)
Notes: The online iCourse version of this course is required.
MUS 100: Fundamentals of Music Notation (3)
Notes: The online iCourse version of this course is required.
MUS 131: Bach to Bebop (3)
Notes: MUS 131: Bach to Bebop is only offered during the fall semester.
MUS 340: Music for the Concert Hall, Stage, and Screen (HU \& H) (3)

Music History -- 6 credit hours
MUS 347: Jazz in America (HU \& C) (3)
MUS 355: American Music (HU \& C \& H) (3)
MUS 356: Broadway and the American Musical (HU) (3)
MUS 410: History of Women in Music (HU \& C \& H) (3)

Music Electives -- 6 credit hours
MUS 354: Beatles (HU) (3)
MUS 354: Classic Rock: 1950-1975 (HU) (3)
MUS 354: Elvis (HU) (3)
MUS 354: Rock Since 1975 (HU) (3)
MUS 362: Rap Music and Hip Hop Culture (HU \& C) (3)
MUS Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: All music majors

Other Enrollment Requirements: None
Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/minors-certificates
MUSIC E167
herbergeradvising@asu.edu
480-965-5069

## Music Performance Minor (HIMUSPMIN)

Campus: Tempe

## Description:

The minor program in music performance allows students who have a background playing an instrument or in singing to continue their studies in music. The coursework develops these skills through individual instrumental or vocal instruction and performance opportunities through various ensemble experiences. The program also includes the study of theoretical and historical elements of music. An audition is required for entrance into the minor in music performance, which includes private instruction in one primary instrument. Students interested in pursuing the minor in music performance should contact the Office of Academic Affairs in the School of Music for audition information and to schedule the audition.

## Program Requirements:

The minor or BIS concentration requires 21 hours (12 upper division) in performance, history, theory and electives. Students may transfer up to 9 credit hours toward the minor.
Admission requirement: An audition is required for entrance into the minor or BIS concentration and MUP 121 study. Audition criteria are determined by area faculty and will be similar to the MUP 111 and MUP 311 criteria found in the Audition Requirements section on this webpage: MUP 121: Studio Instruction (http://music.asu.edu/admissions/auditions/." >http://music.asu.edu/admissions/auditions/.

Required Courses -- 6 credit hours
MUP 321: Studio Instruction (1)
MUS 131: Bach to Bebop (3)

Ensembles - Three semesters of ensembles related to the primary instrument studied in the minor -- 3 credit hours
MUP 442: Orchestra Strings, Wind Ensemble, Wind Orchestra (1)
MUP 443: Chamber Singers, Concert Choir (1)
MUP 450: Choral Union (1)
MUP 455: Mens Chorus (1)
MUP 457: Women's Chorus (1)
MUP 458: ASU Gospel Choir (1)
MUP 459: Barrett Choir (1)
MUP 486: Concert Jazz Band , Jazz Repertory Band , Latin Jazz Ensemble (1)
MUP 494: Concert Band (1)

Ensemble - Fourth semester of ensemble (may be unrelated to the primary instrument studied in the minor) -- 1 credit hours
MUP 489: Gamelan , Latin Marimba , Mariachi , World Percussion Ensemble (1)
MUS 294: Rock Band (1)
MUS 494: Urban Dance Music Ensemble (1)

MUS 347: Jazz in America (HU \& C) (3)
MUS 354: Classic Rock: 1950-1975 (HU) (3)
MUS 355: American Music (HU \& C \& H) (3)
MUS 356: Broadway and the American Musical (HU) (3)
MUS 362: Rap Music and Hip Hop Culture (HU \& C) (3)
MUS 410: History of Women in Music (HU \& C \& H) (3)
MHL courses may be accepted if the appropriate prerequisites are met or with instructor approval.

Music Theory -- 3 credit hours
MUS 100: Fundamentals of Music Notation or MTC 125: Basic Music Theory (3)
Students will take a theory diagnostic exam to determine placement in either MUS 100 or MTC 125.

Music Electives -- 2 credit hours
MHL OR MUE OR MUP OR MUS OR MTC Upper Division Elective (2)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: All music majors

Other Enrollment Requirements: Prospective students must successfully complete an audition before the faculty in the applicable instrument area. Audition criteria are determined by area faculty and will be similar to the MUP 111 and MUP 311 enrollment criteria for each instrument posted at https://music.asu.edu/admissions/undergraduate-auditions (https://music.asu.edu/admissions/undergraduate-auditions). Students who wish to add the performance minor should email musicadmissions@asu.edu (mailto:musicadmissions@asu.edu). The School of Music Academic Affairs Office will direct them to the appropriate faculty member with whom to schedule an audition.

Advisors should not add the minor until the student presents a letter from the School of Music Academic Affairs Office confirming that the student has successfully passed the audition.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/minors-certificates
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

## Nonprofit Leadership and Management Minor (PPNLMMIN)

Campus: Downtown Phoenix

## Description:

The minor in nonprofit leadership and management empowers students to positively impact the community in which they work. Coursework introduces students to knowledge and skills for successful professional careers with nonprofit, social sector organizations that exist to improve the quality of life of communities. The nonprofit sector in the U.S. is unique in form and function, with more than 1.6 million organizations in the U.S.

The minor is ideal for students enrolled in other majors at ASU who wish to earn a minor that concentrates on the management of nonprofit organizations. Students from such various disciplines as business, communication, education, global studies, museum studies, nursing, public affairs, religious studies, social work, sustainability and others find this program a beneficial supplement to their existing program as many find their career pathways from their degree occur within nonprofit organization forms.

This program affords students the opportunity to start their pursuit of the National Certified Nonprofit Professional credential awarded through the Nonprofit Leadership Alliance (formerly American Humanics, Inc.). Students seeking more information about completing the CNP credential and
requirements should see the school website.

## Program Requirements:

The minor requires 18 credit hours: 12 credit hours of required core courses and six credit hours of elective courses.

Required Core Courses -- 12 credit hours
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 300: Fund Raising and Resource Development (3)
NLM 310: Volunteer Management (3)
NLM 430: Managing Nonprofit Organizations (L) (3)

Elective Courses (choose six credit hours from either Block A or Block B)

Block A - choose this block if interested in the CNP credential -- 6 credit hours
NLM 320: Professional Development Seminar (4)
Notes: This seminar is for one credit hour for four semesters.
NLM 420: Nonprofit Leadership Alliance Institute (2)
Notes: Offered Fall only

Block B - choose two courses if interested in minor only, without CNP credential -- 6 credit hours
NLM 160: Voluntary Action and Community Leadership (SB) (3)
NLM 380: Financial Management for Nonprofit Organizations (3)
NLM 435: Service Learning for Community Development (3)
Notes: Offered Spring only
PRM 486: Special Events Management (3)

## Standards

1. minimum grade of " C " ( 2.00 on a 4.00 scale) required for all classes in the minor.
2. minimum GPA of 2.00 for those pursuing the minor; a major or premajor, other than BS in nonprofit leadership and management.
3. must meet the curricular and cocurricular requirements (if also pursuing the CNP credential).
4. 15 hours of graded classroom course work (no internship, no independent study).
5. students should be a junior to take 400-level classes.
6. no double counting of courses for both a major and the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in nonprofit leadership and management

Students pursuing the nonprofit leadership and management bachelor's degree may earn the certified nonprofit professional credential along with their major upon successfully completing both curricular and cocurricular requirements. (Students should see an advisor for details.)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Nutrition and Healthy Living Minor (NUNHLMIN)

Campus: Downtown Phoenix

## Description:

The nutrition and healthy living minor program provides students with a greater understanding of how nutrition contributes to healthy lifestyles and disease prevention.

## Program Requirements:

The minor requires completion of a minimum of 18 nutrition credit hours. A grade of " C " ( 2.00 on a 4.00 scale) or better is required for each course in the minor.
Many courses in this minor require CHM 101 (or CHM 113) or BIO 201 and BIO 202 as a prerequisite. Please ensure all prerequisites are met when planning this minor.
Not all courses in the minor's electives are available to ASU Online students.
Students pursuing the BS in Nutrition, BS Nutrition (Human Nutrition) or BS Nutrition (Dietetics) are not eligible to add this minor.

Required Courses -- 9 credit hours
NTR 241: Human Nutrition (3)
NTR 341: Medical Nutrition Therapy I or NTR 345: Development of Healthy Cuisines (3)
NTR 450: Nutrition in the Life Cycle (SB) or NTR 355: Eating for Lifelong Health (SB) (3)

Upper-Division Electives (select three courses) -- 9 credit hours
NTR 320: History of Human Nutrition (3)
NTR 348: Cultural Aspects of Food (SB \& C \& G) (3)
NTR 350: Nutrition Counseling (3)
NTR 351: Nutrition Communication (L) (3)
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)
NTR 444: Medical Nutrition Therapy II (3)
NTR 453: Nutrition and the Media (3)
NTR 457: Sports Nutrition (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in nutrition; BS in nutrition (dietetics); BS in nutrition (human nutrition); BS in health sciences (healthy lifestyles coaching); BAS in applied science (food service management)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300
Organizational Leadership Minor (LSORGLMIN)
Campus: Polytechnic, Online

## Description:

The minor program in organizational leadership uses interdisciplinary methods that prepare students to become leaders in organizations. Students develop skills and knowledge that leaders need to solve problems, communicate effectively, assess programs, manage resources and use emerging technologies in organizations. Students in the program are prepared for a range of positions in government, health care administration, nonprofit agencies and the service industry.

## Program Requirements

The minor in organizational leadership requires 18 credit hours to complete, including a minimum of 12 upper-division.

Required Courses -- 9 credit hours
BIS 340: Organizational Skills (6)
OGL 200: Introduction to Organizational Leadership (SB) (3)

Elective courses (minimum six hours upper-division required) -- 9 credit hours
BIS 340: Organizational Skills (3)
BIS 343: Social Processes in Organizations (L or SB) (3)
BIS 345: Organizational Ethics (L or HU) (3)
BIS 357: Assessment in Organizations (3)
BIS 360: Organizational Contexts (SB) (3)
OGL 220: Behavioral Dynamics in Organizations (SB) (3)
OGL 260: Resource Allocation in Organizations (3)
OGL 300: Theory and Practice of Leadership (3)
OGL 320: Foundations of Project Management (3)
OGL 321: Project Leadership, Strategy and Scope (3)
OGL 350: Diversity and Organizations (L \& C) (3)
OGL 355: Leading Organizational Innovation and Change (L) (3)
OGL 360: Assessment of Leadership Effectiveness (3)
Any topics can be utilized for BIS 340 and BIS 360 credits.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA in organizational leadership

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Integrative Sciences and Arts, College of College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526
Parks and Protected Area Management Minor (PPPRMMINT)
Campus: Downtown Phoenix

As the Southwest continues to develop and urbanize, the demands and pressures on public lands and natural resources continue to grow. The interplay between society and natural resources is key to understanding modernity and continues to be at the center of policy issues and quality of life debates in the West.

The minor program in parks and protected area management introduces students to the role of parks and protected areas, with a focus on the unique issues faced by urban-proximate natural area managers. The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, education, nursing, public affairs, social work and many others might find this program a beneficial supplement to their existing program. Students interested in the parks and protected area management minor may also be interested in therapeutic recreation, available through the parks and recreation management program.

## Program Requirements:

Completion of a parks and protected area management minor in the School of Community Resources and Development requires the following:

Required Core Courses -- 12 credit hours
PRM 120: Leisure and the Quality of Life (SB) (3)
PRM 370: Public Lands Management (3)
Notes: Offered Fall only
PRM 380: Wilderness and Parks in America (SB \& H) (3)
TDM 480: Sustainable Tourism (3)

Elective Course (choose one) -- 3 credit hours
CRD 301: Sustainable Communities (3)
PRM 340: Outdoor Survival (3)
Notes: Offered Fall only
PRM 470: Environmental Communication (3)
Notes: Offered Spring only
TDM 448: Heritage and Cultural Tourism (3)
TDM 494: Special Topics (3)

Standards

1. 15 hours of graded classroom course work (no internship, no independent study)
2. 12 hours of course work at the upper-division level, from the approved list
3. minimum grade of " C " ( 2.00 on a 4.00 scale) required for all classes in the minor
4. no double counting of courses for a major and the minor
5. minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than a bachelor's degree in parks and recreation management.
6. should be a junior to take 400-level courses

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in parks and recreation management

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Public Service and Community Solutions, College of School of Community Resources and Development https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

Personal Health Minor (NHPHLMIN)<br>Campus: Downtown Phoenix, Online

## Description:

The personal health minor allows students with academic interests that lie outside the realm of medical and health sciences to explore and learn the latest information related to healthy lifestyles, including the attainment and retention of a high quality of personal health. Students gain the knowledge and skills necessary to optimize their personal health and assume increased responsibility for their own personal health and well-being The program reflects the transdisciplinary nature of personal health by including courses from the nutrition and exercise and wellness disciplines.

## Program Requirements:

A minimum grade of " C " ( 2.00 on a 4.00 scale) is required for all courses.

Required Courses -- 12 credit hours
EXW 325: Fitness for Life (3)
EXW 380: Body Image and Wellness (3)
NTR 100: Introductory Nutrition or NTR 241: Human Nutrition (3)
NTR 355: Eating for Lifelong Health (SB) (3)

Elective Courses -- 6 credit hours
EXW 303: Human Sexuality for Health Education (3)
EXW 312: HIV/AIDS Prevention (1)
EXW 321: Consumer Health (1)
EXW 331: Violence Prevention (1)
EXW 341: Injury Prevention (1)
EXW 351: Substance Abuse Prevention (1)
EXW 361: Social Media and Marketing in Health Education (1)
EXW 371: Conflict Management and Mediation (1)
NTR 345: Development of Healthy Cuisines (3)
NTR 348: Cultural Aspects of Food (SB \& C \& G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in nutrition (all concentrations); BS in exercise and wellness; BS in health education and health promotion; BS in health sciences (healthy lifestyles coaching)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

Contact Information:
Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300
Philosophy Minor (ASPHIMIN)

## Campus: West

## Description:

The minor program in philosophy, offered by the School of Humanities, Arts and Cultural Studies, provides students with an understanding of central philosophical issues, problems and ideas; a capacity for critical thinking and analytic reasoning; and the ability to present one's positions effectively through oral and written communication.

## Program Requirements:

The minor in philosophy consists of 18 credit hours (a minimum of 12 credit hours must be upper division). A minimum of six credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students pursuing this minor will work with an academic advisor to choose and complete six courses from the list below or from the PHI prefix. Credit hours may not be shared between major and minor requirements. All courses used to satisfy requirements for the minor must be passed with a " C " (2.00) or better.

Courses are selected from the following list (minimum 12 upper-division) -- 18 credit hours
ENG 401: Topics in Critical Theory (3)
IAS 340 / PHI 320: Bioethics (HU) (3)
IAS 406 / PHI 406: Moral Dilemmas (L or HU) (3)
IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)
IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)
IAS 410: Evolution of Ideas (L or HU) (3)
IAS 430: Science and Religion (L or HU) (3)
PHI 101: Introduction to Philosophy (HU) (3)
PHI 103: Principles of Sound Reasoning (L or HU) (3)
PHI 303 / REL 300: The Future of Religions (L or HU) (3)
PHI 304: Existentialism (HU) (3)
PHI 306: Applied Ethics (HU) (3)
PHI 311: Philosophy and Literature (HU) (3)
PHI 318: Philosophy of Religion (HU) (3)
PHI 339: Philosophy of Art (HU) (3)
PHI 360: Business and Professional Ethics (HU) (3)
PHI 391 / REL 391: Historical Perspectives on Philosophy and Religion (3)
PHI 408: Feminist Ethics (HU) (3)
PHI 411: Continental Philosophy (HU) (3)
PHI 412: Philosophy and Literary Criticism (HU) (3)
PHI 415: Philosophy and Film (HU) (3)
PHI 439: Philosophy of Love and Sex (3)
PHI 494 / REL 494: Philosophical/Spiritual Issues in Death \& Dying (3)
PHI 494 / REL 494: Special Topics (3)
PHI 499: Individualized Instruction or REL 499: Individualized Instruction (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements: <br> GPA Requirement: None

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

The minor in philosophy is open to all ASU undergraduate majors.
Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/philosophy-minor
FAB N100
harcsadvising@asu.edu
602-543-3000

## Philosophy Minor (LAPHIMIN)

Campus: Tempe, Online

## Description:

The minor program in philosophy provides students with an understanding of philosophical inquiry and method. The program offers an introduction to central themes both in the history of philosophy and in the current literature. Students in this minor have the opportunity to sharpen their critical reasoning skills while addressing profound questions regarding the nature of:

## - existence

- knowledge
- law
- morality
politics
- science


## Program Requirements:

A minor in philosophy consists of 18 credit hours, of which at least 12 must be upper-division. At least six upper-division hours must be in courses offered by the College of Liberal Arts and Sciences. Each course must be completed with a minimum grade of " C " ( 2.00 on a 4.00 scale) or higher. The minor in philosophy is also available to complement the studies of ASU Online students. Certain course selections below are offered as oCourses to accommodate ASU Online students.

Subdisciplinary Electives -- 18 credit hours
Subdisciplinary Elective (18)
Available subdisciplines are epistemology, ethics and political philosophy, history of philosophy, logic and metaphysics. Students choose courses from the philosophical subdiscipline lists, with no more than two courses from any single track. Courses in the "other" list cover multiple subdisciplines and students may apply these courses within the minor without limit. Students should consult with an academic advisor in the School of Historical, Philosophical and Religious Studies about a proposed selection of courses before enrolling.

## Epistemology

PHI 313: Probability, Evidence, and Decision (3)
PHI 314: Philosophy of Science (HU) (3)
PHI 325: Philosophy of Social Science (HU or SB) (3)
PHI 330: Theory of Knowledge (HU) (3)

Ethics and Political Philosophy
PHI 105: Intro to Ethics (HU) (3)
PHI 120: Introduction to Medical and Bioethics (HU) (3)
PHI 306: Applied Ethics (HU) (3)
PHI 307: Philosophy of Law (HU) (3)
PHI 310: Environmental Ethics (HU) (3)
PHI 320: Bioethics (HU) (3)
PHI 324: Existential Ethics (HU) (3)
PHI 326: Philosophy of Happiness (HU) (3)
PHI 335: History of Ethics (HU) (3)
PHI 336: Social and Political Philosophy (HU) (3)
PHI 337: Ethical Theory (HU) (3)
PHI 338: Metaethics (3)
PHI 347: Philosophical Theories of Constitutional Law (3)
PHI 360: Business and Professional Ethics (HU) (3)
PHI 405: Moral Psychology (3)
PHI 406: Moral Dilemmas (L or HU) (3)
PHI 408: Feminist Ethics (HU) (3)
PHI 409: Eco-Community Ethics (HU) (3)
PHI 448: Justice and Reparations (3)

PHI 328: History of Ancient Philosophy (HU \& H) (3)
PHI 329: History of Modern Philosophy (HU \& H) (3)
PHI 401: Rationalism (3)
PHI 402: Empiricism (HU) (3)
PHI 403: Contemporary Analytic Philosophy (HU) (3)

Logic
PHI 103: Principles of Sound Reasoning (L or HU) (3)
PHI 333: Symbolic Logic (3)
PHI 413: Advanced Symbolic Logic (3)
Metaphysics
PHI 318: Philosophy of Religion (HU) (3)
PHI 331: Philosophy of Language (HU) (3)
PHI 332: Metaphysics (HU) (3)
PHI 334: Philosophy of Mind (HU) (3)

Other
PHI 101: Introduction to Philosophy (HU) (3)
PHI 311: Philosophy and Literature (HU) (3)
PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)
PHI 322: History and Philosophy of Sustainability (3)
PHI 339: Philosophy of Art (HU) (3)
PHI 390: Jewish Philosophy (3)
PHI 391: Historical Perspectives on Philosophy and Religion (3)
PHI 428: Immunophilosophy (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None
Majors Ineligible to Add This Minor: BA in philosophy; BA in philosophy (morality, politics and law)
Other Enrollment Requirements: None

To declare the minor, students must make an appointment with an academic advisor in the School of Historical, Philosophical and Religious Studies.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/192
COOR 3307
SHPRSadvising@asu.edu
480-965-8364
Physics Minor (LAPHYMIN)
Campus: Tempe

The physics minor at the Tempe campus provides students with the fundamental concepts of physics beyond the introductory level. Through rigorous hands-on experience, students deepen their understanding of foundational concepts and develop their analytical skills. Students can tailor the minor through upper-division electives to enhance their career outlook.

## Program Requirements:

The minor in physics requires a minimum of 24 credit hours, at least 12 of which must be completed at the upper-division level. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 18 credit hours
In consultation with an academic advisor in the physics department, students choose either PHY 121 and its corresponding lab, PHY 122, or the single course alternative PHY 150 for a total of four credit hours.
PHY 121: University Physics I: Mechanics (SQ) (3)
PHY 122: University Physics Laboratory I (SQ) (1)
PHY 150: Physics I (SQ) (4)
In consultation with an academic advisor in the physics department, students choose either PHY 131 and its corresponding lab, PHY 132, or the single course alternative PHY 151 for a total of four credit hours.
PHY 131: University Physics II: Electricity and Magnetism (SQ) (3)
PHY 132: University Physics Laboratory II (SQ) (1)
PHY 151: Physics II (SQ) (4)
The following three courses are required.
PHY 252: Physics III (SQ) (4)
PHY 333: Electronic Circuits and Measurements or PHY 334: Advanced Laboratory I (L) (3)
Notes: One of these courses may be used in the required courses area and the other toward elective credit hours in the minor, but neither course may be repeated for credit.
PHY 361: Introductory Modern Physics (3)

Electives (choose two courses) -- 6 credit hours
PHY 302: Mathematical Methods in Physics II (3)
PHY 310: Classical Particles, Fields, and Matter I (3)
PHY 314: Quantum Physics I (3)
PHY 333: Electronic Circuits and Measurements (3)
PHY 334: Advanced Laboratory I (L) (3)
PHY 465: Advanced Laboratory II (3)
PHY 333: Electronic Circuits and Measurements or PHY 334: Advanced Laboratory I (L) (3)
Notes: Students may choose PHY 333 or PHY 334 if not already taken to satisfy the required courses for the minor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS in biophysics; BA and BS in physics; BS in physics (secondary education)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of Physics
https://physics.asu.edu/node/287
PSF 470
physics.undergrad@asu.edu
480-965-3561

## Physics Minor (LSPHYMIN)

Campus: Polytechnic

## Description:

The physics minor in the College of Integrative Sciences and Arts at the Polytechnic campus provides a rigorous foundation in physics with an emphasis on fundamental concepts and applied hands-on experience. The program broadens and deepens a student's understanding and increases options for employment and graduate study. The primary emphasis of the physics minor is to give students experience through applied and computational physics projects. The projects are guided by faculty with expertise in the physics of semiconductors and graphene, quantum nano-optics, laser physics and materials science.

## Program Requirements:

The minor in physics requires 23 credit hours, as follows:

1. A minimum of six upper-division credit hours in the minor must be taken in courses offered through the College of Integrative Sciences and Arts.
2. Courses that count toward the minor must have a grade of " C " (2.00 on a scale of 4.00 ) or higher.
3. Twelve credit hours of upper-division physics courses are required.
```
Required Courses -- 17 credit hours
PHY 121: University Physics I: Mechanics (SQ) (3)
PHY 122: University Physics Laboratory I (SQ) (1)
PHY 131: University Physics II: Electricity and Magnetism (SQ) (3)
PHY 132: University Physics Laboratory II (SQ) (1)
PHY 361: Introductory Modern Physics (3)
PHY 460: Numerical Methods in Modern Physics (3)
PHY 499: Individualized Instruction (3)
Elective Courses -- 6 credit hours
PHY 201: Mathematical Methods in Physics I (CS) (3)
PHY 302: Mathematical Methods in Physics II (3)
PHY 321: Vector Mechanics and Vibration (3)
PHY 331: Principles of Modern Electromagnetism (3)
```

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement:2.00 or higher

Majors Ineligible to Add This Minor: BA or BS in physics

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526
Political Science Minor (ASPOLMIN)
Campus: West

## Description:

The minor program in political science offered by the School of Social and Behavioral Sciences is designed to help students gain an understanding of theory, practice and policy underlying political processes locally, nationally and internationally and to train students with the research skills necessary for the analysis of complex sociopolitical issues locally and globally.

The program strives to meet these goals by offering students learner-centered coursework in political theory, American political institutions, and international relations and world affairs. These goals are accomplished by offering a flexible program of coursework focusing on international urban, race or ethnic sociopolitical areas, internships and service-learning or action research opportunities. Under the direction of faculty, students focus on intellectual and concrete policy issues in the greater Phoenix metropolitan area, Arizona, the Arizona-Mexico borderlands, the Americas and the world.

## Program Requirements:

The minor in political science consists of 18 credit hours. A minimum of 12 upper division credit hours are required. A minimum of six upper division credit hours must be completed through courses offered by the School of Social and Behavioral Sciences. A maximum of three credit hours of internship and three credit hours of individualized instruction may be used to fulfill requirements. Students wishing to pursue the minor must meet with an academic advisor to construct a set of courses that reflect a particular area of specialty and interest. All courses used to satisfy requirements for the minor must be passed with a " C " (2.00) or better.

Required Courses -- 6 credit hours
Select two from the following:
POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) (3)
POS 150: Comparative Government (SB \& G) (3)
POS 160: Global Politics (SB \& G) (3)
POS 210: Political Ideologies (SB) (3)

Electives -- 12 credit hours
POS Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA or BS in political science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of School of Social and Behavioral Sciences
https://newcollege.asu.edu/political-science-minor
FAB N100
sbsadvising@asu.edu
602-543-3000

## Political Science Minor (LAPOSMIN)

Campus: Tempe, Online

## Description:

The minor program in political science offers students exposure to the skills and knowledge that help them participate effectively as citizens in a democratic political system and flourish in the rapidly developing globalization of the world's political institutions, cultures and economies. The program aims to provide students with an introduction to the tools and skills necessary to link theory with real-world problems and issues.

## Program Requirements:

The minor in political science consists of 18 credit hours in political science courses, 12 credit hours of which must be upper-division courses. A minimum of six upper-division credit hours must be taken in courses offered by the College of Liberal Arts and Sciences. Only courses completed with a grade of " C " (2.00 on a scale of 4.00 ) or better can be used to satisfy minor requirements

Required Courses (choose two) -- 6 credit hours
POS 110: American Government and Politics (SB) or POS 310: American National Government (SB) (3)
POS 150: Comparative Government (SB \& G) (3)
POS 160: Global Politics (SB \& G) (3)
POS 210: Political Ideologies (SB) (3)

Electives -- 12 credit hours
POS Upper Division Elective (12)

No more than three credit hours of POS 484 Internship and three credit hours of POS 499 Individualized Instruction may be applied to the minor Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA and BS in political science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://pgs.clas.asu.edu/
COOR 6797
spgs@asu.edu
480-965-8563

## Psychology Minor (ASPGSMIN)

Campus: West, Online

## Description:

The minor in psychology provides the opportunity to study the scientific nature of the behavior and mental processes of individuals and groups. The study of psychology includes basic and applied courses in the subfields of clinical, developmental, organizational, cross-cultural and social psychology, cognitive systems and behavioral neuroscience. The psychology minor prepares students for more advanced study in psychology at the graduate level, in either graduate or professional schools. The program emphasizes the development of wide-ranging skills in critical thinking and reasoning, quantitative and qualitative research methods, working collaboratively on teams and presentation of information in oral and written form.

## Program Requirements:

The minor in psychology consists of 22 credit hours. A minimum of 12 upper division credit hours are required. A minimum of six credit hours must be taken from the School of Social and Behavioral Sciences. A maximum of three credit hours of research (PSY 399 Supervised Research and PSY 499 Individualized Instruction) may be used to fulfill minor requirements. PSY 484 Internship may be taken for elective credit only. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

PSY 101: Introduction to Psychology (SB) (3)
PSY 230: Introduction to Statistics (CS) (3)
PSY 290: Research Methods (L or SG) (4)

Social/Developmental Core -- 3 credit hours
Choose one course from the following:
PSY 315: Personality Theory and Research (SB) (3)
PSY 341: Developmental Psychology (SB) (3)
PSY 350: Social Psychology (SB) (3)

Neuroscience Core

Neuroscience Core Group 1 (select one course) -- 3 credit hours
PSY 320: Learning and Motivation (3)
PSY 323: Sensation and Perception (3)
PSY 324: Memory and Cognition (3)
PSY 325: Physiological Psychology (3)

Neuroscience Core Group 2 (select one course) -- 3 credit hours
PSY 320: Learning and Motivation (3)
PSY 323: Sensation and Perception (3)
PSY 324: Memory and Cognition (3)
PSY 325: Physiological Psychology (3)
PSY 330: Statistical Methods (CS) (3)
PSY 369: Biology of Human Sexuality (3)
PSY 470: Psychopharmacology (3)

Elective Course -- 3 credit hours
PSY Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA and BS in psychology (including all concentrations)

Other Enrollment Requirements: None

The minor in psychology is open to all ASU undergraduate majors

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/psychology-minor
FAB N100
sbsadvising@asu.edu
602-543-3000
Psychology Minor (LAPGSMIN)

## Description:

The minor program in psychology focuses on appreciating and understanding the human condition from a scientific, psychological point of view. Students completing the minor in psychology should possess breadth of knowledge pertaining to the major principles, theoretical approaches and findings in psychology. Students should also understand and be able to use basic research and quantitative methods in psychology and be able to gather and synthesize psychological findings. Finally, students should be able to understand the relevance and applicability of psychological principles, approaches and findings to individual, group and social issues. In doing so, they are prepared as educated citizens to pursue productive careers and engage on a daily basis with the increasingly complex, information-rich world.

## Program Requirements:

The minor in psychology consists of completing 22 credit hours of course work in the foundations of psychology and the breadth within psychology categories described below. Twelve credit hours must be completed at the upper-division level, at least six credit hours of which must be completed in courses offered by the College of Liberal Arts and Sciences Department of Psychology. All courses for the minor must be completed with a grade of "C" (2.00 on a 4.00 scale) or better

Required Courses -- 10 credit hours
PSY 101: Introduction to Psychology (SB) (3)
PSY 230: Introduction to Statistics (CS) (3)
PSY 290: Research Methods (L or SG) (4)

Minor Electives -- 12 credit hours
Take one course each from four of the following five breadth areas: Biological, Personality/Mental Health, Cognitive/Learning, Developmental, and Social.
Breadth Elective (12)

Biological Breadth
PSY 325: Physiological Psychology (3)

Cognitive/Learning Breadth
PSY 320: Learning and Motivation (3)
PSY 323: Sensation and Perception (3)
PSY 324: Memory and Cognition (3)

Developmental Breadth
PSY 341: Developmental Psychology (SB) (3)

Personality/Mental Health Breadth
PSY 315: Personality Theory and Research (SB) (3)
PSY 366: Abnormal Psychology (SB) (3)

Social Breadth
PSY 350: Social Psychology (SB) (3)
PSY 351: Honors Social Psychology (L or SB) (3)

If a non-psychology statistics course is approved by the psychology department to substitute for PSY 230 Introduction to Statistics, an additional psychology course must be taken to complete the 22 credit hours of required psychology course work. Internship credit and teaching assistant credit may not be used to satisfy this requirement. For more information, please contact a psychology advisor.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA and BS in psychology (including all concentrations)

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of Psychology
https://psychology.clas.asu.edu/node/61
PSY 202
psych.advisor@asu.edu
480-965-7258

## Psychology Minor (LSPGSMIN)

Campus: Polytechnic

## Description:

Psychology is the scientific study of mind and behavior. The minor program in psychology emphasizes the development of wide-ranging skills in critical thinking and reasoning, research methods, working collaboratively on teams and presenting information in oral and written form. The psychology minor adds value to students' major degrees through knowledge of concepts, theories and empirical research in human behavior and mental processes.

## Program Requirements:

This minor requires 22 credit hours. At least six credit hours must be taken from courses offered by the College of Integrative Sciences and Arts.

```
Required Courses -- 10 credit hours
PSY 101: Introduction to Psychology (SB) (3)
PSY 230: Introduction to Statistics (CS) (3)
PSY 290: Research Methods (L or SG) (4)
Elective Courses (choose two) -- 6 credit hours
PSY 315: Personality Theory and Research (SB) (3)
PSY 320: Learning and Motivation (3)
PSY 323: Sensation and Perception (3)
PSY 324: Memory and Cognition (3)
PSY 341: Developmental Psychology (SB) (3)
PSY 350: Social Psychology (SB) (3)
No two courses from this elective cluster may be repeated in elective cluster below.
Elective Courses (choose two) -- 6 credit hours
PSY 306: Environmental Psychology (SB) (3)
PSY 315: Personality Theory and Research (SB) (3)
PSY 320: Learning and Motivation (3)
PSY 323: Sensation and Perception (3)
PSY 324: Memory and Cognition (3)
PSY 341: Developmental Psychology (SB) (3)
PSY 350: Social Psychology (SB) (3)
PSY 425: Biological Bases of Behavior (L) (3)
PSY 430: Industrial Psychology (3)
PSY 444: Adolescent Psychology and Psychopathology (3)
PSY 447: Psychology of Aging (SB) (3)
PSY 453: Organizational Behavior (SB) (3)
PSY 470: Psychopharmacology (3)
PSY 472: Clinical Psychology (3)
No two courses in this elective cluster may be repeated from first elective cluster above.
```

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Please note that the department does not offer any iCourse or oCourse sections for this minor.

The minor in psychology is open to all ASU undergraduate majors. Students should consult their academic advisot to determine if the minor is consistent with their educational goals and to be recognized in their particular major.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

## Public Relations and Strategic Communications Minor (HSPRSMIN) <br> Campus: West

## Description:

The minor program in public relations and strategic communications, offered by the School of Social and Behavioral Sciences, provides students with professional and academic expertise in areas as diverse as persuasion and campaign communications, public relations, crisis communications, special-events planning, marketing and professional writing and editing. Additionally, students refine the presentation skills needed for public and community relations.

## Program Requirements:

The minor in public relations and strategic communications consists of 18 credit hours (a minimum of 12 upper division). Credit hours may not be shared between major and minor requirements. A minimum of six upper division credit hours must be completed through courses offered by the School of Social and Behavioral Sciences. Electives not on course list must be approved by an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Core Courses (choose three courses) -- 9 credit hours
COM 319: Persuasion and Social Influence (SB) (3)
COM 320: Communication and Consumerism (SB) (3)
COM 353: Professional Communication (3)
COM 454: Rhetorical and Critical Approaches to Public Relations (3)

Elective Courses (choose three courses) -- 9 credit hours
ASB 374 / POS 374 / SBS 374 / SOC 374: Cultures and Politics of the Internet (SB) (3)
COM 259: Communication in Business and the Professions (3)
COM 319: Persuasion and Social Influence (SB) (3)
COM 320: Communication and Consumerism (SB) (3)
COM 353: Professional Communication (3)
COM 400: Communication in Professions (HU \& C) (3)
COM 414: Crisis Communication (3)
COM 429: Semiotics and Visual Communication (3)
COM 450: Organizational Communication (SB) (3)
COM 454: Rhetorical and Critical Approaches to Public Relations (3)
COM 457: New Media (3)
COM 459: Theory and Methods of Social Media Networks (3)
COM 484: Internship (3)
ENG 301: Writing for the Professions (L) (3)
ENG 311: Persuasive Writing (L) (3)
ENG 410: Writing for Publication (3)
minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: None
Other Enrollment Requirements: None

The minor in public relations and strategic communications is open to all ASU undergraduate majors.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/public-relations-and-strategic-communications-minor
FAB N100
sbsadvising@asu.edu
602-543-3000

## Public Service and Public Policy Minor (PPPAFMIN) <br> Campus: Downtown Phoenix

## Description:

The minor in public service and public policy prepares students for work in government at all levels and in nonprofit organizations through comprehensive coverage of topics in public policy, public leadership and management and urban studies. Students discover the challenges of management and learn how to lead a public organization and understand the process of policy development.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. The minor has an applied and professional focus which can enhance many other majors and will make students more competitive in securing public sector jobs.

## Program Requirements:

The minor in public service and public policy requires 18 credit hours.

Required Courses -- 9 credit hours
PAF 200: Public Service and Policy in the 21st Century (3)
PAF 300: Public Management and Administration (3)
PAF 340: Contemporary Policy Challenges (3)

Electives (select three courses) -- 9 credit hours
PAF 201: Economics and Public Policy (SB) (3)
PAF 410: Building Leadership Skills (SB) (3)
PAF 420: Public Leadership (3)
PAF 470: Topics in Public Economics and Financial Management (3)
PAF 471: Public Policy Analysis (3)
URB 300: Urban and Metropolitan Studies (3)
URB 305: Urban Governance (3)

A total of 12 credit hours must be taken in the School of Public Affairs at ASU.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

Majors Ineligible to Add This Minor: BS in public service and public policy (all concentrations)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/undergradminors
UCENT 400
spa@asu.edu
602-496-0450

## Real Estate Minor (BAREAMIN)

Campus: Tempe

## Description:

A minor in real estate is designed to provide an understanding of the real estate industry and to complement the major area of study. The minor program consists of a strong foundation that includes real estate fundamentals, law, appraisal and land development. Students may choose from a variety of courses such as investing, economics and urban issues to complement the foundation. Students who complete the minor will have established a competitive knowledge base for careers in the real estate industry.

## Program Requirements:

Students must complete a minimum of 18 credit hours, including 12 hours of required courses and six credit hours of electives.
Students must complete a minimum of 12 hours of resident credit for the minor. All courses must be completed with a grade of " C " (2.00) or higher. The upper-division business courses required or electives for this minor will be restricted to students with 56 earned credit hours, a minimum 2.50 ASU GPA and completed course prerequisites.

Required Courses -- 12 credit hours
REA 380: Real Estate Fundamentals (3)
REA 401: Real Estate Appraisal (3)
REA 411: Real Estate Law (3)
REA 456: Real Estate Investments (3)

Elective Courses -- 6 credit hours
ACC 340: External Reporting I (3)
ACC 350: Internal Reporting (3)
ACC 444: Enterprise Process Analysis and Design (3)
AGB 250: Economics of Resource Allocation: Food and Agriculture (3)
AGB 333: Agribusiness Finance (3)
AGB 452: Global Food and Agricultural Policy (3)
BUS 434: Risk Management and Insurance (3)
CEE 300: Engineering Business Practice (L) (3)
CIS 308: Advanced Excel in Business (3)
CIS 309: Business Process Management (3)
CIS 311: Business Project Management (3)
CIS 405: Business Intelligence (3)
CON 457: Principles of Leadership for Project Managers (3)
CON 472: Development Feasibility Reports (L) (3)
DSC 394: Design Entrepreneurship \& Society (3)
DSC 494: Economics of Building Design (3)
ECN 315: Money \& Banking (3)
EDS 301: Contemporary Issues in Design Strategies and Innovation (3)
ENT 360: Entrepreneurship and Value Creation (3)
ENT 440: Entrepreneurship (3)

FIN 331: Financial Markets and Institutions (3)
GCU 357: Social Geography (SB) (3)
GCU 361: Urban Geography (SB) (3)
GPH 381: Geography of Natural Resources (G) (3)
LDE 363: Landscape Planting Design (3)
MGT 400: Cross-Cultural Management (C \& G) (3)
MGT 411: Leading Organizations (3)
MGT 430: Negotiations (3)
MKT 370: Professional Sales and Relationship Management (3)
MKT 390: Essentials of Marketing (3)
MKT 391: Essentials of Selling (3)
MKT 396: Essentials of Services Marketing (3)
MKT 410: Sales Management (3)
MKT 452: Business-to-Business Marketing Strategy (3)
PUP 301: Introduction to Urban Planning (L) (3)
PUP 410: Public Participation in Planning (3)
PUP 432: Planning and Development Control Law (3)
PUP 452: Ethics and Theory in Planning (L) (3)
PUP 465: Sustainable Urbanism (3)
PUP 494: Environment, Justice \& Cities (3)
REA 441: Real Estate Land Development (3)
SCM 314: Analytics for Logistics (3)
SCM 315: Business Decision Models (3)
SCM 344: Applied Logistics Management (3)
SCM 354: Procurement of Services (3)
SCM 385: Business and Sustainability I (3)
SCM 455: Research and Negotiation (3)
SCM 463: Global Supply Chain Management (G) (3)
SOS 300: Advanced Concepts and Integrated Approaches in Sustainability (3)
SOS 310: Equity, Justice and Sustainability (3)
SOS 311: Future Thinking and Strategies (3)
SOS 320: Society and Sustainability (L or SB) (3)
SOS 321: Policy and Governance in Sustainable Systems (3)
SOS 323: Sustainable Urban Dynamics (3)
SOS 325: The Economics of Sustainability (3)
SOS 328: Sustainability and Enterprise (3)
SOS 385: Business and Sustainability I (3)
SOS 465: Sustainable Urbanism (3)
URB 300: Urban and Metropolitan Studies (3)
URB 305: Urban Governance (3)
URB 405: Citizen Engagement and Community Building (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00 minimum

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Business, W. P. Carey School of
https://wpcarey.asu.edu/undergraduate-degrees/real-estate-minor
BA 160
wpcareyug@asu.edu
480-965-4227

## Recreation Management Minor (PPRECMIN)

Campus: Downtown Phoenix

## Description:

The minor program in recreation management introduces students to community recreation programming and planning for a variety of populations. The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, education, nursing, public affairs, social work and many others might find this program a beneficial supplement to their existing program. Students interested in the recreation management minor may also be interested in the school's therapeutic recreation program.

## Program Requirements:

The recreation management minor requires completion of 15 credit hours: six credit hours of required courses and nine credit hours of elective courses.

Required Core Courses -- 6 credit hours
PRM 120: Leisure and the Quality of Life (SB) (3)
PRM 203: Program Planning (3)

Electives (select three courses) -- 9 credit hours
CRD 302: Inclusive Community Development (C) (3)
PRM 304: Recreation Planning and Facility Development (L) (3)
Notes: Offered Fall only
PRM 315: Community Recreation Systems (3)
Notes: Offered Fall only
PRM 335: Sports and Recreation for Youth Development (3)
Notes: Offered Spring only
PRM 364: Foundations of Recreation Therapy (SB) (3)
PRM 475: Entrepreneurial Recreation and Tourism (3)
PRM 486: Special Events Management (3)
PRM 494: Special Topics (3)

Standards

1. 15 hours of graded classroom course work
2. minimum "C" ( 2.00 on a 4.00 scale) grade required for all classes in the minor
3. minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than parks and recreation management
4. should be a junior to take 400-level courses
5. no double counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in parks and recreation management

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

## Recreation Therapy Minor (PPRECTMIN)

Campus: Downtown Phoenix

## Description:

The curriculum of the minor in recreation therapy prepares students with the skills to provide therapeutic interventions and adaptive recreation services for individuals with illnesses or disabling conditions. Students develop knowledge and skills to assess individuals, develop plans of service, provide diverse therapeutic interventions, and evaluate and document outcomes of care, and they gain competencies to effectively provide comprehensive therapeutic recreation services including program design and evaluation, individual and group service provision, and advocating for individuals served. The program prepares students for a variety of clinical settings. Completion of the minor provides students with a portion of the requirements needed for eligibility to take the national certification exam.

## Program Requirements:

The recreational therapy minor requires completion of 18 credit hours: 12 credit hours of required courses and six credit hours of elective courses.

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Core Courses -- 12 credit hours
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PRM 364: Foundations of Recreation Therapy (SB) (3)
PRM 400: Intervention Techniques in Recreation Therapy (3)
Notes: Spring Only
PRM 406: Program Design and Administration in Recreation Therapy (3)
Notes: Spring Only
PRM 460: Assessment \& Documentation in Recreation Therapy (3)
Notes: Fall Only

Therapeutic Recreation Elective -- 3 credit hours
PRM 413: Leadership and Professional Development in Recreation Therapy (3)
PRM 494: Advocacy in Recreational Therapy (3)
PRM 494: Therapeutic Recreation and Community Health (3)
Notes: Spring Only

Elective -- 3 credit hours
CRD 302: Inclusive Community Development (SB \& C) (3)
NLM 310: Volunteer Management (3)
PRM 120: Leisure and the Quality of Life (SB) (3)
PRM 203: Program Planning (3)
PRM 335: Sports and Recreation for Youth Development (3)
Notes: Spring Only
PRM 384: Recreational Therapy Practicum (3)
PRM 453: Inclusive and Adaptive Sports and Recreation (3)
Notes: Fall Only

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.50

Majors Ineligible to Add This Minor: BS in recreation therapy; BS in parks and recreation management (therapeutic recreation)

Other Enrollment Requirements: none

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor.

Students should contact their academic advisor for more information.

## Contact Information:

Public Service and Community Solutions, College of School of Community Resources and Development https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Religious Studies Minor (ASRELMIN)

Campus: West

## Description:

The minor program in religious studies introduces students to the world's religious traditions and how these are used by humans to interpret experiences and find meaning. Students learn to think critically about religious worldviews and presuppositions and to explore the relation to contemporary challenges in the world.

## Program Requirements:

The minor in religious studies consists of 18 credit hours (a minimum of 12 upper division credit hours are required). A minimum of six upper division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Course work taken to fulfill the requirements of the minor may not be used to fulfill requirements for your major. Consult with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a " C " $(2.00)$ or better.

Courses are selected from the following list (minimum 12 upper-division) -- 18 credit hours
IAS 430: Science and Religion (L or HU) (3)
PHI 303 / REL 300: The Future of Religions (L or HU) (3)
PHI 318: Philosophy of Religion (HU) (3)
PHI 391 / REL 391: Historical Perspectives on Philosophy and Religion (3)
PHI 494 / REL 494: Philosophical/Spiritual Issues in Death \& Dying (3)
PHI 494: Special Topics (3)
REL 100: Religions of the World (HU \& G) (3)
REL 200: Exploring the World's Religions ((L or HU) \& G) (3)
REL 201: Religion and the Modern World (L or HU) (3)
REL 202: Religion and Popular Culture (HU \& C) (3)
REL 203: Saints and Sinners: Explorations in Sacred Biography (HU \& H) (3)
REL 205: Life, Sex and Death (HU) (3)
REL 207: Ritual, Symbol, and Myth (L or HU) (3)
REL 310: Western Religious Traditions (HU \& H) (3)
REL 320: American Religious Traditions (HU \& C \& H) (3)
REL 321: Religion in America ((L or HU) \& C \& H) (3)
REL 345: Asian Religious Traditions (HU \& G) (3)
REL 381: Religion and Moral Issues (L or HU) (3)
REL 390 / WST 390: Women, Gender and Religion (HU \& G) (3)
REL 401: Sacred Scriptures and Social Choices (HU \& G) (3)
REL 494: Special Topics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add this Minor: None

Other Enrollment Requirements: None

The minor in religious studies is open to all ASU undergraduate majors.
pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/religious-studies-minor
FAB N100
harcsadvising@asu.edu
602-543-3000

## Religious Studies Minor (LARELMIN)

Campus: Tempe, Online

## Description:

The minor program in religious studies encourages students to engage in a comparative, cross-cultural exploration of religions and cultures that complements a variety of undergraduate majors while promoting a deeper understanding of human nature and interaction. Students may pursue the minor in religious studies with regional, national, hemispheric, global and a variety of thematic emphases.

## Program Requirements:

The minor in religious studies consists of 18 credit hours, at least 12 of which must be completed at the upper-division level. At least six upperdivision hours must be in courses offered by the College of Liberal Arts and Sciences. All courses must be passed with a grade of " C " ( 2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours
REL 101: Religion, Culture and Public Life ((L or HU) \& G) (3)

Electives -- 15 credit hours
REL Elective (3)
REL Upper Division Elective (12)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in religious studies; BA in religious studies (religion, culture and public life); BA in religious studies (religion, politics and global affairs)

Other Enrollment Requirements: None

To declare the minor, students must make an appointment with an academic advisor in the School of Historical, Philosophical and Religious Studies.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Romanian Minor (LAROMMIN)<br>Campus: Tempe

## Description:

The minor in Romanian provides students with the means to develop their interests in social, cultural and political matters that are marked by a strong language dimension. Students are encouraged to participate in a study abroad program to enhance their education and the overall minor experience. More information is available at https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages (https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages).

## Program Requirements:

The Romanian minor consists of 18 credit hours of ROM courses beyond ROM 201. This minor is structured so that it requires all ROM courses to be at the upper-division level ( 300 and above). A minimum of six credit hours must be completed in residence at ASU. All courses must completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses -- 18 credit hours
ROM 313: Romanian Composition and Conversation (3)
ROM 314: Romanian Composition and Conversation (3)
ROM 411: Advanced Spoken and Written Romanian I (3)
ROM 412: Advanced Spoken and Written Romanian II (3)
ROM 494: Advanced Romanian Grammar I or ROM 494: Advanced Romanian Grammar II (3)
SLC 494: Dracula and Vampire Belief in the World (3)
Course substitutions are permitted for heritage speakers and other advanced speakers of Romanian.

ROM 101 through 201 are not applicable to the minor.
Pass/Fail courses cannot be used for the minor
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

Students who wish to add a minor in Romanian to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/romanian
LL 440
silcadvising@asu.edu
480-965-6281
Russian Minor (LARUSMIN)
Campus: Tempe

## Description:

Students pursuing a minor in Russian gain novice to intermediate language skills and an understanding of the literature and cultures of Russianspeaking peoples and regions. Despite the fall of the Soviet Union, Russia has remained an active player in world affairs. Russia's continued presence on the current international stage makes knowledge of Russian language and culture a valuable asset for students interested in government, diplomacy and international affairs and commerce.

The Russian language program cooperates with the Melikian Center to offer a transdisciplinary baccalaureate certificate in Russian, Eurasian and East European Studies for students in agribusiness, anthropology, architecture, economics, geography, history, political science, religious studies, Russian, sociology and women's studies.

Students are encouraged to study abroad. The ASU exchange program in Russian language and translation offers students the opportunity to study in Moscow, St. Petersburg or Kazan.

## Program Requirements:

The Russian minor consists of 18 credit hours of which at least 12 credit hours must be upper-division. All courses must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or better.

Core Requirements -- 6 credit hours
RUS 311: Russian Composition and Conversation I (G) (3)
RUS 312: Russian Composition and Conversation II (G) (3)

Literature Course (Choose one) -- 3 credit hours
RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)
RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) \& G) (3)
RUS 421: Pushkin (L or HU) (3)
RUS 423: Dostoevsky and Tolstoy (L or HU) (3)
RUS 424: Tolstoy and War and Peace in Russian Literature and Cinema (L or HU) (3)
RUS 425 / THE 425: Chekhov and Russian Drama (L or HU) (3)
RUS 430: Russian Short Story (L or HU) (3)
RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (HU \& L) (3)
RUS 494: Slavophiles \& Westernizers (3)
Electives (Choose three) -- 9 credit hours
At least two courses must be completed at the upper division level.
RUS 211: Basic Russian Conversation I (G) (3)
RUS 212: Basic Russian Conversation II (G) (3)
RUS 321: Foundations of Russian Literature (HU) (3)
RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)
RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) \& G) (3)
RUS 411: Advanced Composition and Conversation I (G) (3)
RUS 412: Advanced Composition and Conversation II (G) (3)
RUS 421: Pushkin (L or HU) (3)
RUS 423: Dostoevsky and Tolstoy (L or HU) (3)
RUS 424: Tolstoy and War and Peace in Russian Literature and Cinema (L or HU) (3)
RUS 430: Russian Short Story (L or HU) (3)
RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (HU \& L) (3)
RUS 440: Russian Mass Media (G) (3)
RUS 441: Survey of Russian Culture ((L or HU) \& G \& H) (3)
RUS 484: Internship (1)
RUS 493: Honors Thesis (L) (3)
SLV 304: Digital Humanities for Language Majors (CS) (3)
SLV 440: History of Slavic Languages (SB) (3)
SLV 484: Internship (3)
SLV 493: Honors Thesis (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Other Enrollment Requirements: None

Students who wish to add a minor in Russian may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/russian-0
LL 440
silcadvising@asu.edu
480-965-6281

## Science, Technology and Society Minor (ECSTSMIN)

Campus: Polytechnic

## Description:

The science, technology and society minor is offered to students outside the science, technology and society major, regardless of their major field of specialization. Living in a 21 st century world is characterized by rapid technological change and uncertainty. Mastering the intricacies of the interrelationships between technology and human systems enhances a degree in any area and arms graduates with the insights and skills required for success in any endeavor.

## Program Requirements:

The minor in science, technology and society requires 18 credit hours.

1. A minimum of six upper-division credit hours in the minor must be taken in courses offered through the College of Integrative Sciences and Arts.
2. Courses that count toward the minor must have a grade of " C " ( 2.00 on a scale of 4.00 ) or higher.
3. Twelve credit hours of upper-division science, technology and society courses are required.

General Course -- 3 credit hours
STS 101: Introduction to Science, Technology, and Society (SB) or STS 304: Science, Technology, and Society (SB) (3)

Internationalization Course -- 3 credit hours
STS 110: Global Technology and Development (SB \& G) or STS 317: Science, Technology, and Global Engagement (SB \& G) (3)

Electives -- 12 credit hours
STS 301: Research in Science and Technology Studies (SB) (3)
STS 302: Philosophy of Science and Technology (SB) (3)
STS 303: History of Science and Technology (H) (3)
STS 305: Science and Social Theory (SB) (3)
STS 306: Social Effects of Science and Technology (SB) (3)
STS 318: Science, Technology, and Government (SB) (3)
STS 325: Science, Technology, and Public Policy (SB) (3)
STS 328: Science, Technology, and Culture (SB) (3)
STS 329: Technology in Developing Countries (SB \& G) (3)
STS 330: Information Technology and Globalization (SB \& G) (3)
STS 331: Ethical Issues in Science and Technology (SB) (3)
STS 332: Global Issues in Science and Technology (SB) (3)
STS 364: Science, Technology, and National Security (SB) (3)
STS 425: Law, Values, Science, and Technology (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526

## Slavic Studies Minor (LASLVMIN)

Campus: Tempe

## Description:

The Salvic studies minor focuses on Slavic languages and cultures with a concentration in either Bosnian/Croatian/Serbian or Polish. It is designed to complement the studies of students from a wide range of disciplines (e.g., history, cultural anthropology, music, political science, economics) whose professional interests lie in Poland or the countries of southeastern Europe. The program places equal emphases on language, culture and regional studies. The minor develops limited professional linguistic proficiency in either BCS or Polish along with adequate cultural sensitivity.

## Program Requirements:

The minor in Slavic studies requires 18 upper-division credit hours. A minimum of six upper-division credit hours must be taken in residence at ASU. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Slavic Language Courses -- 6 credit hours
Students complete either BCS 311 and BCS 312 OR PLC 311 and PLC 312 for a total of 6 credit hours
Course substitutions are permitted for heritage speakers and other advanced speakers of Slavic languages. Please contact the School of International Letters and Cultures for more information.
BCS 311: Bosnian/Croatian/Serbian Composition and Conversation I (3)
BCS 312: Bosnian/Croatian/Serbian Composition and Conversation II (3)
PLC 311: Advanced Polish I (3)
PLC 312: Advanced Polish II (3)

Required Courses -- 12 credit hours
SLV 304: Digital Humanities for Language Majors (CS) (https://webapp4.asu.edu/catalog/courselist?s=BCS\&l=upperdivision\&t=2187\&hon=F" >
BCS OR PLC OR RUS OR SLV Upper Division Elective (3)
SLV 440: History of Slavic Languages (SB) (3)
SLV 498: Pro-Seminar or SLV 498: Senior Capstone (3)

Pass/fail courses cannot be used for the minor.
No lower-division language courses are applicable to the minor.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: None

Students who wish to add the minor in Slavic studies to the degree they are currently pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/slavic-studies
LL 440
silcadvising@asu.edu
480-965-6281

## Social Welfare Minor (LASSWMIN)

Campus: Downtown Phoenix

## Description:

The social welfare minor prepares students for work in human service settings where a fundamental knowledge of human relations is required. It complements careers in journalism, communications, public administration, nursing and related fields, and provides a foundation for students who seek to pursue a MSW. The minor enhances and broadens students' abilities to analyze complex family, individual and societal problems in the context of societal values, cultural diversity and other social and economic variables. The minor also contributes to students' understanding of society and social behavior, encourages critical thinking and helps develop communication skills.

## Program Requirements:

Students should:

1. be at sophomore standing to take 300- or 400-level courses
2. complete 18 credit hours of graded course work (internship or independent study not applicable)
3. complete a minimum of 12 credit hours of resident credit at ASU
4. complete SWU 171 as the prerequisite for all upper-division SWU courses
5. earn a grade of "C" ( 2.00 on a 4.00 scale) or higher for all classes in the minor
6. maintain a cumulative GPA of 2.00 ( 4.00 scale) or higher
7. meet with a social welfare advisor prior to registration
8. take a minimum of 12 credit hours of upper-division course work from the approved list

Required Courses -- 9 credit hours
SWU 171: Introduction to Social Work (SB \& H) (3)
SWU 291: Social Service Delivery Systems (3)
SWU 432: Social Policy and Services (3)

Select three credit hours from the following list -- 3 credit hours
SWU 374: Diversity and Oppression in a Social Work Context (C) (3)
SWU 456: Immigrants and Refugees (C) (3)
SWU 457: Southwest Borderland Immigration Issues (C) (3)
SWU 459: Spirituality and the Helping Professions (3)
SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) (3)

Select six credit hours from the following list* -- 6 credit hours
SWU 303: Micro Human Behavior and the Social Environment (L or SB) (3)
SWU 340: Macro Human Behavior and the Social Environment (SB) (3)
SWU 454: Overview of Addictions (3)
SWU 456: Immigrants and Refugees (C) (3)
SWU 457: Southwest Borderland Immigration Issues (C) (3)
SWU 458: Behavioral Health Services (3)
SWU 459: Spirituality and the Helping Professions (3)
SWU 460: Legal Issues in Social Work (3)
SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) (3)

SWU 462: Global Social Welfare (3)
SWU 498: Pro-Seminar (L) (1-7)
*Note: Student may select one additional course from the cultural diversity in the U.S. options above.
*Note: SWU 456, SWU 457, SWU 459, and SWU 461 cannot be used as both as an elective and in \#2 above.

Lower-division credit hours required: 6

Upper-division credit hours required: 12
Total credit hours required: 18
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BSW in social work; BA in public service and public policy (social services delivery); BA in community advocacy and social policy

Other Enrollment Requirements: None

Students should meet with a social welfare advisor prior to registration.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Public Service and Community Solutions, College of
School of Social Work
https://socialwork.asu.edu
UCENT 800
social.work@asu.edu
602-496-0800

## Social and Behavioral Sciences Minor (ASSBSMIN)

Campus: West

## Description:

The minor program in social and behavioral sciences provides students an interdisciplinary lens across several fields of the social and behavioral sciences including communication, sociocultural anthropology, geography, political science, psychology and sociology.

## Program Requirements:

The minor in social and behavioral sciences consists of 18 credit hours. A minimum of 12 credit hours must be upper division. A minimum of 12 credit hours must come from the School of Social and Behavioral Sciences. Students wishing to pursue a minor must meet with an academic advisor in the School of Social and Behavioral Sciences to construct a minor that reflects a particular area of specialty and interest. A maximum of three credit hours of internship and three credit hours of individualized instruction may be used to fulfill requirements. Up to three credit hours of Study Abroad or International Internship courses relevant to the student's major maybe be applied to the minor. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Required Course -- 3 credit hours
SBS 200: Introduction to Social and Behavioral Sciences (SB) (3)

Additional Required Course (select one course from the following) -- 3 credit hours
SBS 302: Qualitative Methods (3)
SBS 303: Quantitative Methods (3)

Choose four classes from one theme below.

Theme: Individual and Behavior
PSY 304: Effective Thinking (L) (3)
PSY 320: Learning and Motivation (3)
PSY 323: Sensation and Perception (3)
PSY 324: Memory and Cognition (3)
PSY 325: Physiological Psychology (3)
PSY 366: Abnormal Psychology (SB) (3)
PSY 369: Biology of Human Sexuality (3)
SOC 340: The Sociology of Deviance (SB) (3)
SOC 360: Sociological Psychology (SB) (3)

Theme: Individual and Community
ASB 340 / SOC 328: Migration and Culture (SB \& G) (3)
ASB 389 / SBS 389 / SOC 389: Ethnographic Field Lab (3)
ASB 442 / SBS 460: Global Cities (SB \& G) (3)
COM 310: Relational Communication (3)
COM 312: Communication, Conflict, and Negotiation (3)
COM 316: Gender and Communication (SB \& C) (3)
COM 319: Persuasion and Social Influence (SB) (3)
COM 353: Professional Communication (3)
POS 150: Comparative Government (SB \& G) (3)
POS 350: Comparative Politics (SB \& G) (3)
POS 357: South Asia Politics (SB \& G) (3)
POS 442: American Political Thought (HU) (3)
PSY 370: Interpersonal Relationships (SB) (3)
PSY 461: Interpersonal Influence (SB) (3)
SBS 494: The Sociology of Everyday Life (3)
SOC 241: Modern Social Problems (SB) (3)
SOC 324: Work and the Workplace (SB \& H) (3)

Theme: Individual and Culture
ASB 211: Women in Other Cultures ((HU or SB) \& G) (3)
ASB 311: Principles of Social Anthropology (SB \& G \& H) (3)
ASB 340 / SOC 328: Migration and Culture (SB \& G) (3)
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB \& C) (3)
ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G) (3)
COM 463: Intercultural Communication in a Global Context (SB \& G) (3)
FAS 370: Family Ethnic and Cultural Diversity (SB \& C) (3)
PSY 306: Environmental Psychology (SB) (3)
WST 457: Women, Cultures, and Societies (SB \& G) (3)
Theme: Individual and Family
ASB 340 / SOC 328: Migration and Culture (SB \& G) (3)
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB \& C) (3)
ASB 346: Marriage and Family Diversity (SB \& C) (3)
ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G) (3)
ASB 374 / POS 374 / SBS 374 / SOC 374: Cultures and Politics of the Internet (SB) (3)
ASB 389 / SBS 389 / SOC 389: Ethnographic Field Lab (3)
ASB 442 / SBS 460: Global Cities (SB \& G) (3)
CDE 232: Human Development (SB) (3)
COM 411: Communication in the Family (SB) (3)
FAS 301: Introduction to Parenting (3)
FAS 331: Marriage and Family Relationships (SB) (3)
FAS 431: Parent-Adolescent Relationships (SB) (3)
FAS 435: Advanced Marriage and Family Relationships (L or SB) (3)
PSY 341: Developmental Psychology (SB) (3)
PSY 443: Abnormal Child Psychology (L or SB) (3)
SOC 415: The Family (SB) (3)
SBS 430: Everyday Forms of Political Resistance (3)
SOC 315: Courtship and Marriage (SB) (3)
SOC 352: Social Change (SB \& G \& H) (3)
SOC 456: Political Sociology (3)

SOC 457: Global Social Movements (SB \& G) (3)
SOC 486: Contemporary Theory (SB) (3)
SOS 111: Sustainable Cities ((HU or SB) \& G) (3)

Theme: Individual and Society
ASB 340 / SOC 328: Migration and Culture (SB \& G) (3)
ASB 374 / POS 374 / SBS 374 / SOC 374: Cultures and Politics of the Internet (SB) (3)
ASB 389 / SBS 389 / SOC 389: Ethnographic Field Lab (3)
ASB 442 / SBS 460: Global Cities (SB \& G) (3)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism, and Identity (SB \& C) (3)
COM 421: Rhetoric of Social Issues (HU) (3)
JHR 100: Introduction to Social Justice and Human Rights (SB \& G) (3)
JHR 305: Theory and Practice of Social Justice and Human Rights (SB \& G) (3)
POS 110: American Government and Politics (SB) (3)
POS 150: Comparative Government (SB \& G) (3)
POS 210: Political Ideologies (SB) (3)
POS 350: Comparative Politics (SB \& G) (3)
POS 357: South Asia Politics (SB \& G) (3)
POS 437: Women, Power, and Politics (G) (3)
POS 446: Democracy (HU) (3)
POS 470: Law and the Political Order (SB) (3)
POS 480 / SBS 480: Global Justice (G) (3)
PSY 350: Social Psychology (SB) (3)
SBS 430: Everyday Forms of Political Resistance (3)
SBS 494: The Sociology of Everyday Life (3)
SOC 241: Modern Social Problems (SB) (3)
SOC 264: Gender and Society (SB \& C) (3)
SOC 270: Racial and Ethnic Relations (SB \& C) (3)
SOC 331: Environmental Sociology (SB \& G) (3)
SOC 352: Social Change (SB \& G \& H) (3)
SOC 360: Sociological Psychology (SB) (3)
SOC 426: Social Inequality (SB) (3)
SOC 456: Political Sociology (3)
SOC 457: Global Social Movements (SB \& G) (3)
SOC 486: Contemporary Theory (SB) (3)
SOS 111: Sustainable Cities ((HU or SB) \& G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA and BS in social and behavioral sciences

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/social-and-behavioral-sciences-minor
FAB N100
sbsadvising@asu.edu
602-543-3000

## Sociocultural Anthropology Minor (ASASBMIN)

Campus: West

## Description:

The minor in sociocultural anthropology, offered by the School of Social and Behavioral Sciences, is designed to provide students with a substantive understanding of the theoretical assumptions and methodological techniques underlying the field of sociocultural anthropology. Courses provide students with knowledge about and theoretical approaches to cross-cultural studies and transnational research, emphasizing culture and political economy in historical context. Specifically, students minoring in sociocultural anthropology are expected to demonstrate knowledge and skill in the following areas:

- anthropological approaches to and explanatory frameworks for the study of social issues in culture and political economy
- application of theoretical knowledge to understanding sociocultural practices across local and global contexts
- awareness of cultural, ethnic, gender, sexual, class and age differences and commonalities across world social formations
- critical thinking and analytical reasoning
- development of their own anthropological perspective for use in their everyday lives and future studies or employment
- effective oral presentation and written communication
- interpretation of cultural practices, social theory and social texts
- qualitative research methods in anthropology and other social sciences and interpretive humanities including ethnographic field research and library research


## Program Requirements:

The minor in Sociocultural Anthropology requires 18 semester hours, at least 12 hours of which must be in upper division courses taken in the School of Social and Behavioral Sciences. Two core courses are required, ASB 311 and SBS 302. The remaining 12 credit hours may be drawn from ASB courses and select SBS courses. Up to six hours of lower division ASB credit, three hours of ASB 499 Individualized Instruction, and three hours of ASB 484 Internship may be applied toward the minor. Up to six hours of ASB courses offered by other ASU campuses may be applied toward electives in the minor. Up to three credit hours of any study abroad course, in any prefix, may apply to this minor. All coursework within the minor must be passed with a minimum grade of " C " (2.00) or better.

Required Courses -- 6 credit hours
ASB 311: Principles of Social Anthropology (SB \& G \& H) (3)
SBS 302: Qualitative Methods (3)

Electives (minimum 6 upper-division) -- 12 credit hours
ASB 102: Introduction to Cultural Anthropology (SB \& G) (3)
ASB 211: Women in Other Cultures ((HU or SB) \& G) (3)
ASB 319: The North American Indian (3)
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)
ASB 340: Migration and Culture (SB \& G) or SBS 450: Migration \& Culture (SB \& G) or SOC 328: Migration and Culture (SB \& G) (3)
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB \& C) (3)
ASB 346: Marriage and Family Diversity (SB \& C) (3)
ASB 350: Anthropology and Art (HU) (3)
ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G) (3)
ASB 356 / GCU 356 / POS 354 / SBS 356 / SOC 356: Central American Studies (SB \& G) (3)
ASB 374 / POS 374 / SBS 374: Cultures and Politics of the Internet (SB) (3)
ASB 389 / SBS 389 / SOC 389: Ethnographic Field Lab (3)
ASB 394: Special Topics (3)
ASB 440: Women in the Global Factory (SB \& G) (3)
ASB 442 / SBS 460: Global Cities (SB \& G) (3)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism, and Identity (SB \& C) (3)
ASB 484: Internship (3)
ASB 494: Special Topics (3)
ASB 499: Individualized Instruction (3)
JHR 305: Theory and Practice of Social Justice and Human Rights (SB \& G) (3)
SBS 301: Cultural Diversity ((L or SB) \& C) (3)
SBS 450: Topics in Local/Global (SB \& G) (3)
SBS 480 / POS 480: Global Justice (G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

Majors Ineligible to Add This Minor: None

Other Enrollment Requirements: None

The minor in sociocultural anthropology is open to all ASU undergraduate majors

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/sociocultural-anthropology-minor
FAB N100
sbsadvising@asu.edu
602-543-3000

## Sociology Minor (ASSOCMIN)

Campus: West

## Description:

The minor program in sociology offered by the School of Social and Behavioral Sciences provides students with an understanding of the theory, practice and policy underlying issues of social change, inequality and diversity. These issues are approached from multiple perspectives, including race or ethnicity, gender, economic position, age, geographic location and position in the global political economy.

The student minoring in sociology learns how it enhances one's understanding of social realities and institutions at local, national and international levels and how sociology contributes to the other social sciences and to the humanities.

Students gain a basic understanding of the assumptions underlying the discipline of sociology and develop the research skills necessary for analysis of complex social issues. These objectives are met by offering a flexible program and by providing the student with individual and group experiences in working with faculty members on concrete intellectual and policy issues.

## Program Requirements:

The minor in sociology consists of 18 credit hours (a minimum of 12 credit hours must be upper division). Students wishing to pursue this minor must meet with an academic advisor in the School of Social and Behavioral Sciences to construct a minor that reflects a particular area of specialty and interest. A minimum of 12 upper division credit hours must be completed through the School of Social and Behavioral Sciences. A maximum of 3 credit hours of SOC 484 or SOC 499 may be used to fulfill the requirements of this minor. All courses used to satisfy requirements for the minor must be passed with a "C" or better.

Foundation Requirement -- 3 credit hours
SOC 101: Introductory Sociology (SB) (3)

Select one course from the following: -- 3 credit hours
SBS 303: Quantitative Methods (3)
SBS 304: Social Statistics I (CS) (3)
SOC 483: History of Social Thought (SB) (3)
SOC 486: Contemporary Theory (SB) (3)

Elective Courses (minimum 9 upper-division) -- 12 credit hours
SOC Upper Division Elective (9)
SOC Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BS or BA in sociology

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/sociology-minor
FAB N100
sbsadvising@asu.edu
602-543-3000

## Sociology Minor (LASOCMIN)

Campus: Tempe, Online

## Description:

The minor program in sociology from the Sanford School of Social and Family Dynamics exposes students to the basic coursework and issues within the discipline. This program provides an exceptional balance to studies in psychology, communication, education, business and nursing.

## Program Requirements:

The minor in sociology requires 18 credit hours, of which 12 credit hours must be upper-division courses. A minimum of two upper-division SOC courses must be completed from offerings on the Tempe campus. All courses must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or higher.

Required Courses -- 6 credit hours
SOC 101: Introductory Sociology (SB) (3)
SOC 391: Research Methods (L or SB) or SOC 483: History of Social Thought (SB) or SOC 486: Contemporary Theory (SB) (3)

Electives -- 12 credit hours
SOC Elective (3)
SOC Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA and BS in sociology

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/
SS 144
email@thesanfordschool.org
480-965-6978

## Spanish Minor (ASSPAMIN)

## Campus: West

## Description:

The minor in Spanish consists of three emphases: language, literature and cultures. These emphases are integrated within the discipline and with other disciplines within the New College of Interdisciplinary Arts and Sciences.

## Program Requirements:

The minor in Spanish consists of 18 credit hours, of which 12 hours must be upper division. A minimum of six upper division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Courses for the minor must be chosen in consultation with an academic advisor in the School of Humanities, Arts, and Cultural Studies. Preparatory course work may not be used to satisfy requirements for the minor. Preparatory course work includes Spanish lower division language courses. All courses used to satisfy the requirements for the minor must be passed with a "C" or better.

Core Requirements -- 12 credit hours
SPA 202: Intermediate Spanish (G) (4)
Three of the four credit hours from SPA 202 are counted toward the minor. The additional credit hour is applied toward university elective credit hours.
SPA 313 AND SPA 314: Spanish Conversation and Composition (G) or SPA 315: Spanish Conversation and Composition for Bilinguals (C) AND SPA 316: Advanced Spanish II for Bilinguals (L \& C) (6)
SPA 325: Introduction to Hispanic Literature (HU) (3)

Electives (minimum 3 upper-division) -- 6 credit hours
Students should consult with an academic advisor to select six credit hours from the Spanish elective list or other appropriate courses from the LAS or SPA prefixes
LAS 330: From the Inside: The Latin American Journey (HU) (3)
LAS 340: Latin American Women Writers (3)
LAS 350: The Construction of a Nation: Chile in the 20th/21st Century (3)
LAS 351: Cityscapes: Urban Mexican Literature and Culture (3)
LAS 355: Contemporary Mexican Cinema: Changing Cartographies (3)
LAS 471: Treaties and Cultural Production in Spain and the Americas (3)
LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) (3)
LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU \& G) (3)
SPA 412: Advanced Conversation and Composition (G) (3)
SPA 413: Advanced Spanish Grammar (G) (3)
SPA 431: Prose of Golden Age (L or HU) (3)
SPA 456: 20th-Century Spanish American Fiction (3)
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) \& C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in Spanish

Other Enrollment Requirements: None

The minor in Spanish is open to all ASU undergraduate students.
pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/spanish-minor
FAB N100
harcsadvising@asu.edu
602-543-3000

## Spanish Minor (LASPAMIN)

Campus: Tempe, Online

## Description:

Students pursuing a minor in Spanish gain an understanding of the language, literature and cultures of Spanish-speaking peoples and regions. Opportunities to participate in study abroad programs can serve to enhance a student's minor experience and education. More information is available at https://mystudyabroad.asu.edu/ (https://mystudyabroad.asu.edu/).

## Program Requirements:

The minor in Spanish requires a total of 21 credit hours, 18 hours of which must be upper-division. A minimum of six upper-division credit hours must be taken from courses offered by the College of Liberal Arts and Sciences. In addition to 12 credit hours in required courses, students complete nine credit hours from one track beneficial to their personal or academic goals. Available tracks include Spanish Language Studies, Spanish Literary and Cultural Studies and Spanish Linguistics. A grade of C ( 2.00 on a 4.00 scale) or better is required for all courses. Pass/Fail courses cannot be used.

Required Courses -- 12 credit hours
SPA 202: Intermediate Spanish (G) or SPA 204: Intermediate Spanish II for Bilinguals (G) (4)
Notes: Three of the four credit hours from SPA 202 or SPA 204 are counted toward the minor. The additional credit hour is applied toward university elective hours.
SPA 313: Spanish Conversation and Composition (G) or SPA 315: Advanced Spanish I for Bilinguals (C) (3)
SPA 314: Spanish Conversation and Composition (G) or SPA 316: Advanced Spanish II for Bilinguals (L \& C) (3)
SPA 412: Advanced Conversation and Composition (G) (3)
Course substitutions are allowed for heritage and advanced speakers of the language.

Minor Tracks -- 9 credit hours
Complete at least 9 credit hours from one track below (9)

Spanish Language Studies
SPA 413 is required for this track.
SPA 413: Advanced Spanish Grammar (G) (3)
Choose one course from the following:
SPA 400: Introduction to Spanish Linguistics (3)
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) \& C) (3)
SPA 472: Latin American Society: Five Case Studies (HU \& H \& G) (3)
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) \& G) (3)
Choose one course from the following:
SPA 394: Special Topics (3)
SPA 484: Internship (3)
SPA 494: Special Topics (3)
Upper Division Spanish Study Abroad Course (3)

Spanish Literary and Cultural Studies
SPA 325 is required for this track.
SPA 325: Introduction to Hispanic Literature (HU) (3)
Choose one course from the following:
SPA 425: Foundational Texts of Spain (HU) (3)
SPA 426: Literature and Society in Modern Spain (HU) (3)
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) \& G) (3)

SPA 464: Jaitón Works in Chicano/a Literature ((HU or SB) \& C) (3)
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) \& C) (3)
SPA 472: Latin American Society: Five Case Studies (HU \& H \& G) (3)
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) \& G) (3)
Choose one course from the following:
SPA 319: Business Correspondence and Communication (G) (3)
SPA 400: Introduction to Spanish Linguistics (https://webapp4.asu.edu/catalog/courselist?s=SPA\&I=300-399\&t=2187\&hon=F" > SPA $3^{* *}$ Elective
(3)

SPA 4** Elective (3)

Spanish Linguistics
SPA 400 is required for this track.
Choose two courses from the following:
SPA 417: Spanish Phonetics and Phonology (3)
SPA 418: Spanish Syntax (3)
SPA 419: Language Variations of Spanish (3)
SPA 420: Applied Spanish Linguistics (L) (3)
SPA 421: Spanish in the Southwest (C) (3)

See information about Language Placement Testing (https://international.clas.asu.edu/student-life/academic-advising/placement-testing) or consult with an academic advisor in the School of International Letters and Cultures regarding placement into Spanish language classes. Students testing into higher Spanish language courses may need overrides to enroll.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA in Spanish; BAE in secondary education (Spanish)

Other Enrollment Requirements: None

Students who wish to add the minor in Spanish to the degree they are currently pursuing may do so by contacting the School of International Letters and Cultures advising office.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of School of International Letters and Cultures https://silc.asu.edu/degrees/spanish-0
LL 440
silcadvising@asu.edu
480-965-6281

## Spanish Minor (LSSPAMIN)

Campus: Downtown Phoenix, Online

## Description:

The series of courses in this 18 credit hour minor help students hone Spanish communication skills and cultural knowledge that will help them serve the needs of the U.S. Latino community in professional settings (i.e., criminology, education, health care, journalism, social work). The combination of professionally focused courses and practical experience in this minor enhances students' professional preparation for employment in positions that require advanced proficiency in Spanish and an in-depth understanding of U.S. Latino culture.

## Program Requirements:

The Spanish minor requires a total of 18 credit hours.

Required Courses -- 12 credit hours
SPA 317: Spanish for the Professions (3)
SPA 404: Spanish in U. S. Professional Communities (C) (3)
SPA 405: Latino Cultural Perspectives for the Professions (C) (3)
SPA 484: Internship (3)
Notes: Prerequisite: A minimum of 12 credit hours completed in this minor and permission of the director of the Spanish minor is required.

Elective Courses -- 6 credit hours
SPA 403: Spanish Grammar and Stylistics for the Professions (3)
SPA Upper Division Elective (3)
Notes: SPA 300- or 400-level Spanish courses focused on the professions (e.g., business, education, engineering and urban planning, health care, journalism, legal and justice studies, medical or legal interpretation, social work, sustainability)

All courses for this minor will require a minimum grade of " C " ( 2.00 on a 4.00 scale) or better to receive credit toward fulfilling minor requirements. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA in Spanish

Other Enrollment Requirements: None

For additional admission and registration requirements, please visit the school website.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
AZCENT 380
CISA@asu.edu
602-496-0271

## Special Events Management Minor (HSEVNMIN)

Campus: Downtown Phoenix

## Description:

The minor program in special events management is designed to offer students a solid understanding of special events programming and management. In addition to the two-tiered special events course, which provides basic and advanced instruction as well as experiential learning opportunities through event production, students are able to select electives to meet their interests.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication and many others find this program a beneficial supplement to their existing program.

## Program Requirements:

The minor requires 15 credit hours: six credit hours of required courses and nine credit hours of elective courses.

PRM 486: Special Events Management (3)
PRM 487: Advanced Special Events Management or CSM 485: Sports Events (3)
Notes: Offered Spring only

Electives (choose three courses) -- 9 credit hours
NLM 300: Fund Raising and Resource Development (3)
PRM 203: Program Planning (3)
PRM 304: Recreation Planning and Facility Development (L) (3)
Notes: Offered Fall only
PRM 475: Entrepreneurial Recreation and Tourism (3)
PRM 484: Internship (3)
TDM 205: Introduction to Travel and Tourism (G) (3)
TDM 345: Meeting and Convention Planning (3)
TDM 350: Tourism, Recreation and Sports Marketing (3)
TDM 458: International Tourism (G) (3)

Standards

1. 15 credit hours of graded course work (no independent study)
2. minimum grade of " C " ( 2.00 on a 4.00 scale) required for all classes in the minor
3. minimum GPA of 2.00 for those pursuing the minor
4. a major other than parks and recreation management or tourism development and management
5. should be a junior to take 400-level courses
6. no double counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in parks and recreation management; BS in tourism development and management (including all concentrations)

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 500
scrd@asu.edu
602-496-0550

## Speech and Hearing Science Minor (LASHSMIN)

Campus: Tempe

## Description:

The Department of Speech and Hearing Science offers an undergraduate minor in speech and hearing science. This is an academic program with emphasis on normal aspects of speech, language and hearing. The focus is on how motor, cognitive and sensory systems interact with, and influence, hearing, speech and language in children and adults.

## Program Requirements:

The minor in speech and hearing science consists of 24 credit hours, and though the following classes are required, students are strongly encouraged to visit an advisor from the Department of Speech and Hearing Science at ASU.

Required courses -- 15 credit hours
SHS 205: Exploring Communication Disorders in Children and Adults (3)
SHS 250: Introduction to Phonetics (3)
SHS 310: Anatomical and Physiological Bases of Speech (3)
SHS 311: Hearing Science (3)
SHS 367: Language Science (SB) or SHS 375: Speech Science (3)

Upper Division Electives -- 9 credit hours
SHS 401: Principles of Audiology (3)
SHS 402: Clinical Methods and Treatment of Communication Disorders (3)
SHS 465: Speech and Language Acquisition (SB) (3)
SHS 470: Developmental Speech and Language Disorders (3)
SHS 485: Acquired Speech and Language Disorders (3)
SHS 496: Aural Rehabilitation (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00
Majors Ineligible to Add This Minor: BS in speech and hearing science

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Health Solutions, College of
Department of Speech and Hearing Science
https://chs.asu.edu/programs/speech-and-hearing-science-0
COOR 2211
shsadvise@asu.edu
480-965-2374

## Statistics Minor (LASTAMIN)

Campus: Tempe

## Description:

The minor in statistics is beneficial for students majoring in a variety of disciplines such as physics, engineering applications, business, economics and the life and social sciences, or any field where there is a need for quantification in the analysis of phenomena.

## Program Requirements:

The minor in statistics requires a minimum of 18 credit hours, of which at least 12 hours must be completed at the upper-division level. All courses must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or higher.

Required Courses -- 18 credit hours
MAT 271: Calculus with Analytic Geometry II (MA) or MAT 266: Calculus for Engineers II (MA) (3-4)
MAT 272: Calculus with Analytic Geometry III (MA) or MAT 267: Calculus for Engineers III (MA) (3-4)
MAT 300: Mathematical Structures (L) (3)
STP 420: Introductory Applied Statistics (CS) (3)
STP 421: Probability (3)
STP 427: Mathematical Statistics or STP 429: Experimental Statistics (CS) (3)
STP 421 and STP 427 must be taken through the College of Liberal Arts and Sciences.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements: <br> GPA Requirement: None

Majors Ineligible to Add This Minor: BS in actuarial science; BS in applied mathematics; BS in computational mathematical science and statistics; BA and BS in mathematics (including all concentrations); BAE in secondary education (mathematics)

Other Enrollment Requirements: None

Students should confer with an academic advisor in the School of Mathematical and Statistical Sciences before declaring the minor.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/
WXLR A211
math@asu.edu
480-965-7195

## Studio Art Minor (HISTARTMIN)

Campus: Tempe

## Description:

The studio art minor is designed for students who have an interest in studio arts but are pursuing another major. The program includes foundation art courses that address formal issues in art and upper-division courses that develop a conceptual basis for the student while increasing technical proficiency in one or more studio areas. Coursework in art history, both lower and upper division, helps foster critical understanding of aesthetics and the production of art. The designated coursework is flexible enough for students to concentrate in a single area of the studio arts or explore several mediums.

## Program Requirements:

The minor requires 21 credit hours (12 upper-division) in studio art and art history, art education or a related area of study.

Studio Core -- 6 credit hours
ART 110: Drawing as Seeing and Thinking (HU) (3)
ART 112: 2-D Design or ART 113: Color or ART 115: 3-D Design or ART 116: Introduction to Digital Media (3)

Studio Courses -- 9 credit hours
All students must meet art studio prerequisites. The upper division studio course is determined based on the lower division art course taken. See advisor to determine eligible courses based on lower division art class.
ART 311: Drawing III (3)
ART 314: Life Drawing II (3)
ART 323: Painting II (3)
ART 325: Figure Painting (3)
ART 327: Watercolor II (3)
ART 331: Sculpture II (3)
ART 333: Foundry Casting Methods (3)
ART 346: 3-D Computer Imaging and Animation (CS) (3)
ART 351: Intaglio I (3)
ART 352: Lithography I (3)
ART 354: Screen Printing I (3)
ART 360: Ceramic Throwing (3)
ART 364: Ceramic Handbuilding I (3)

ART 365: Ceramic Handbuilding II (3)
ART 376: Weaving and Dyeing (3)
ART 377: Surface to Form (3)
ART 394: Fantasy Figure Foam Carving (3)
ART 394: Figurative Sculpture (3)
ART 394: Maker Workshop (3)
ART 394: Slipcasting (3)
ART 394: Special Topics (3)
ART 411: Drawing IV (3)
ART 414: Life Drawing III (3)
ART 425: Advanced Figure Painting (3)
ART 427: Art on Paper (3)
ART 430: Advanced Sculpture: Materials and Techniques (3)
ART 432: Neon Sculpture (3)
ART 435: Foundry Research Methods (3)
ART 436: Architectural Sculpture (3)
ART 439: Intermedia Studio (3)
ART 442: Art and Community (3)
ART 443: Intermedia Performance (3)
ART 445: Digital Processes for Printmaking (3)
ART 453: Experimental Printmaking: Expanding the Matrix (3)
ART 456: Letterpress Studio (3)
ART 458: Paper Studio (3)
ART 459: Monoprinting (3)
ART 461: Polymer Plate Prints (3)
ART 476: Advanced Textile Construction (3)
ART 494: Blacksmithing (3)
ART 494: Digital Compositing (3)
ART 494: Drawing in Florence (3)
ART 494: Enameling (3)
ART 494: Illumination Systems (3)
ART 494: Metalworking (3)
ART 494: Photogravure (3)
ART 494: Special Topics (3)

Art History -- 3 credit hours
ARS 101: Art from Prehistory Through Middle Ages (HU \& H) or ARS 102: Art from Renaissance to Modernism (HU \& H) (3)

Art History, Art Education or Related Departmental Courses -- 3 credit hours
ARA 311: Art Appreciation and Human Development (HU) (3)
ARE 301: Studio Art and Human Development (3)
ARE 370: Teaching Visual Culture (3)
ARE 440: Interdisciplinary Art Education (3)
ARE 446: Multicultural Issues in Art Education (3)
ARE 494: Child Art Development (3)
ARS 310: The Renaissance in Tuscany (3)
ARS 340: Art in America (HU \& H) (3)
ARS 394: Art and Myth of the Classical World (3)
ARS 394: Egyptian Art and Culture (3)
ARS 394: Islamic Art (3)
ARS 394: Italian Baroque Art (3)
ARS 394: Italian Renaissance Art (3)
ARS 394: Medieval Art (3)
ARS 402: Art of Ancient Egypt (HU \& H) (3)
ARS 404: Greek Art (HU \& H) (3)
ARS 406: Roman Art (HU \& H) (3)
ARS 417: Late Gothic Art in Central Europe (3)
ARS 418: German Renaissance and Reformation Art (HU) (3)
ARS 434: Revolution to Realism in 19th-Century Art (HU) (3)
ARS 435: The Pre-Raphaelites (3)
ARS 438: Art of the 20th Century I (HU \& H) (3)
ARS 439: Art of the 20th Century II (HU \& H) (3)
ARS 440: Identity and World Film (3)
ARS 443: Artists in Film: Artists' Biopics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: All studio art majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu
CDS 101
herbergeradvising@asu.edu
480-965-4495

## Sustainability Minor (SUSUSMIN)

Campus: Polytechnic, Tempe, West, Online

## Description:

Students in the sustainability minor will learn about the concept of sustainability and how it may be used to develop solutions to pressing issues affecting society, organizations and the world. The minor introduces sustainability principles and explains how sustainability can be applied to all academic disciplines and professional fields. Students will explore the challenges of sustainability within human institutions, organizations, cultures and technology and in local, national and international contexts. The minor is intended to draw from and inform any major that is offered by the university.

## Program Requirements:

The sustainability minor requires 18 credit hours of study, at least nine of which must be upper-division. The program includes six credit hours of required core courses, six credit hours of required theme courses, and six credit hours of upper-division sustainability-related electives that relate to the student's major.

All courses must be completed with a grade of "C" (2.00) or higher.

Required Core Courses -- 6 credit hours
SOS 100: Introduction to Sustainability (G) (3)
SOS 300: Advanced Concepts and Integrated Approaches in Sustainability (3)

Required Theme Courses -- 6 credit hours
Two courses, each from a different sustainability theme area below.

Coupled Human-Environment Systems
ASB 222: Buried Cities and Lost Tribes ((HU or SB) \& G \& H) (3)
CHM 107: Chemistry and Society (SQ) (3)
GLG 110: Dangerous World (SG \& G) (3)
GPH 210: Society and Environment (G) (3)
ISS 450: Consumerism and Sustainable Development (3)
LSC 362: The Human Environment (3)
SOS 320: Society and Sustainability (L or SB) (3)
SOS 327: Sustainable Food and Farms (3)
STS 250: Science, Society, and Global Warming (3)

Earth Systems
ABS 225: Soils (SQ) (3)
ABS 270: Sustainable Biological Systems (3)
BIO 100: The Living World (SQ) (4)
ENV 410: Soil Science (4)
GLG 101: Introduction to Geology I (Physical) (SQ) (3)
GLG 108: Water Planet (SQ) (4)
GLG 110: Dangerous World (SG \& G) (3)
GPH 211: Landform Processes (SQ) (4)
LSC 388: Bee Ecology in Urban and Wild Habitats (L) (3)
SES 106: Habitable Worlds (SQ) (4)
SOS 326: Sustainable Ecosystems (3)

Human Transformation of the Earth
ABS 260: Fundamentals of Sustainable Horticulture (SG) (4)
ABS 270: Sustainable Biological Systems (3)
ABS 363: Sustainable Landscape Practice (4)
ALA 100: Introduction to Environmental Design (HU \& H \& G) (3)
ASM 104: Bones, Stones, and Human Evolution (SB or SG) (4)
BIO 130: Introduction to Environmental Science (SQ) (4)
CON 101: Construction and Culture: a Built Environment (HU \& H) (3)
ENV 201: Fundamentals of Environmental Science (3)
FSE 181: Technological, Social, and Sustainable Systems (HU) (3)
IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)
IND 243: Design for Ecology and Social Equity (3)
SOS 111 / PUP 190: Sustainable Cities ((HU or SB) \& G) (3)
SOS 323: Sustainable Urban Dynamics (3)
SOS 324: Sustainable Energy Technology and Systems (3)
SOS 465 / PUP 465: Sustainable Urbanism (3)
STS 235: Technology and Urban Systems (L) (3)

Social, Political and Economic Treatment of Natural Resources and Environment
ABS 381: Natural Resources Policy (3)
ABS 479: Ecosystem Management and Planning (L) (3)
AGB 250: Economics of Resource Allocation: Food and Agriculture (3)
AGB 414: Food and Agribusiness Policy Issues (L) (3)
AGB 452: Global Food and Agricultural Policy (3)
ASB 100 / SSH 100: Introduction to Global Health (SB \& G) (3)
GCU 441: Economic Geography (SB) (3)
IAS 340 / PHI 320: Bioethics (HU) (3)
IAS 409: Eco-Community Ethics (HU) (3)
PHI 306: Applied Ethics (HU) (3)
PHI 360: Business and Professional Ethics (HU) (3)
SGS 203: Contemporary Global Trends (SB \& G) (3)
SGS 303: Global Trends (SB) (3)
SOS 110: Sustainable World (SB) (3)
SOS 321: Policy and Governance in Sustainable Systems (3)
SOS 323: Sustainable Urban Dynamics (3)
SOS 325: The Economics of Sustainability (3)
STS 101: Introduction to Science, Technology, and Society (SB) (3)
STS 110: Global Technology and Development (SB \& G) (3)
Upper-Division Sustainability-Related Electives -- 6 credit hours
Upper Division courses that are sustainability-related and ideally make a connection between the student's major and the minor (\#trackgroup) (6)
Students should consult with their major advisor for upper division sustainability-related elective course selection. Possible courses for these electives can be explored at https://schoolofsustainability.asu.edu/sustainability-courses-at-asu/, but still need to be approved by the student's major academic advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements: <br> GPA Requirement: None

Majors Ineligible to Add This Minor: BA in business (sustainability); BA in interdisciplinary studies with a concentration in sustainability; BA in sustainability; BS in sustainability

Other Enrollment Requirements: Students interested in adding a minor in sustainability should work with their major academic advisor. A student's major advisor will approve the two upper-division electives required for the minor in sustainability.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

Contact Information:
Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/
WGHL 108
sustainabilityminor@asu.edu
480-727-6963

## Sustainable Tourism Minor (PPTDMSMIN)

Campus: Downtown Phoenix

## Description:

As sustainability expands in popularity as a discipline, students are looking to find ways to better understand how they can apply the principles of sustainability to specific areas of interest. A minor in sustainable tourism allows students from any major to learn the basic concepts and theories of tourism development and management. This program helps students identify ways in which tourism can contribute to sustainable development, locally and globally.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as sustainability, business and many others find this program a beneficial supplement to their existing program. Students may also choose to complete a study abroad program.

## Program Requirements:

The minor requires a total of 15 credit hours, 12 credit hours of required courses and one three credit hour course from the list of electives.

Required Core Courses -- 12 credit hours
TDM 205: Introduction to Travel and Tourism (G) (3)
TDM 372: Tourism Planning (L) (3)
TDM 458: International Tourism (G) (3)
TDM 480: Sustainable Tourism (3)

Elective Course (choose one) -- 3 credit hours
TDM 448: Heritage and Cultural Tourism (3)
TDM 475: Entrepreneurial Recreation and Tourism (3)
TDM 481: Sustainable Food Management in Tourism (3)
Notes: Offered Spring only
TDM 482: Sustainable Revenue Management (3)
Notes: Offered Spring only
TDM 494: Special Topics (3)

## Standards

1. 15 hours of graded classroom course work (no internship, no independent study)
2. minimum "C" ( 2.00 on a 4.00 scale) grade required for all classes in the minor
3. minimum GPA of 2.00 for those pursuing the minor; a major other than tourism development and management
4. should be a junior or higher to take 400 -level courses

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in tourism development and management; BS in tourism development and management (sustainable tourism); BS in tourism development and management (resort and hotel leadership)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Technical Communication Minor (LSTWCMIN)

Campus: Polytechnic, Online

## Description:

The minor program in technical communication provides students from other degree programs a foundation in workplace-oriented communication skills that will complement many majors, particularly those in engineering and other technical disciplines, and can make students more competitive in their career path. The minor teaches students how to design, produce and manage professional documents, both print and digital; students also strengthen their technology abilities.

## Program Requirements:

The undergraduate minor in technical communication requires 18 credit hours.

Required Courses -- 12 credit hours
TWC 301: Fundamentals of Writing for Digital Media (L) (3)
TWC 401: Fundamentals of Technical Communication (L) (3)
TWC 411: Principles of Visual Communication (L) or TWC 421: Principles of Web Authoring (L) (3)
TWC 431: Principles of Technical Editing (3)

Elective Courses -- 6 credit hours
TWC 411: Principles of Visual Communication (L) (3)
TWC 414: Visualizing Data and Information (3)
TWC 421: Principles of Web Authoring (L) (3)
TWC 422: Social Media in the Workplace (3)
TWC 435: Global Issues in Technical Communication (G) (3)
TWC 443: Grant \& Proposal Writing (3)
TWC 444: User Experience (3)
TWC 445: Content Management and Topic-Based Authoring (3)
TWC 446: Technical and Scientific Reports (L) (3)
TWC 451: Copyright and Intellectual Property in the Electronic Age (3)
TWC 452: Information in the Digital Age (3)
TWC 453: Information and Communications Technology in American History (H) (3)
TWC 454: Information Technology and Culture (C) (3)
TWC 494: Special Topics (3)

A grade of "C" or better is required for all courses in the minor.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: Technical Communication

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/minors/technical-communication-minor)

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/tech-comm
SANCA 233
CISA@asu.edu
480-727-1526

## Technological Entrepreneurship and Management Minor (ESTEM2MIN) <br> Campus: Polytechnic

## Description:

A minor in technological entrepreneurship and management is available to students throughout the university who are interested in advancing ideas for new or improved products or services. The courses available for the minor are designed to advance entrepreneurial and systems thinking, and cover a broad range of topics important to venture startups such as creativity, entrepreneurship, innovation, global impact and systems thinking. This minor is available as either an on-campus or a 100 percent online program.

## Program Requirements:

Completion of the technological entrepreneurship and management minor requires 18 resident credit hours of the specified TEM courses with a grade of "C" or better in each course.
Students may not double count any courses with other entrepreneurship certificates.

Required Courses -- 12 credit hours
FSE 301 / ENT 360: Entrepreneurship and Value Creation (3)
TEM 230: Creativity and Business Innovation or ENT 340: Creativity and Innovation (L or HU) (3)
TEM 330: Systems Innovation or TEM 431: Innovation Management (3)
TMC 110: Understanding the Enterprise or ENT 305: Principles of Entrepreneurship (3)

Elective Courses -- 6 credit hours
ACC 382: Accounting and Financial Analysis (3)
CIS 300: Web Design and Development or GIT 215: Introduction to Web Authoring (3)
ENT 446: Venture Capital Experience (3)
ENT 447: Lean Launch (3)
ENT 448: Corporate Entrepreneurship (3)
LES 380: Consumer Perspective of Business Law or OMT 402: Legal Issues for Technologists (3)
MGT 380: Management and Strategy for Nonmajors or TMC 430: Enterprise Strategy and Innovation (3)
MKT 425: Global Marketing Management (G) (3)

TEM 294: Social Entrepreneurship I (3)
TEM 311: Opportunity Analysis (3)
TEM 394: Social Entrepreneurship II (3)
TEM 400: Technology Entrepreneurship (3)
TEM 481: Consulting Project (3)
TEM 482: Startup Workshop (3)
TMC 310: Promotion of the Enterprise or MKT 300: Marketing and Business Performance or MKT 390: Essentials of Marketing or AGB 420: Food
Advertising and Promotion (3)
TMC 320: Funding the Enterprise or FIN 455: Entrepreneurial Finance (3)
TMC 330: Leading the Enterprise or MGT 300: Organization and Management Leadership or ENT 441: Entrepreneurial Management (3)
TMC 331: Quality Assurance (3)
TMC 410: Enterprise Operations (3)
TMC 470: Enterprise Planning and Implementation (3)

At least four (4) of the six (6) courses must be upper division.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.
By petition, students can take two (2) upper division electives from their chosen discipline.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 3.00 minimum; junior standing

Majors Ineligible to Add This Minor: BS in technological entrepreneurship and management; BAS in applied science (operations management); BS in business entrepreneurship

Other Enrollment Requirements:

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information. The technological entrepreneurship and management minor is open to nonTEM undergraduate students. TEM students are not eligible to apply for this minor.

## Contact Information:

Business, W. P. Carey School of

Tech Entrepreneurship \& Mgmt
https://poly.engineering.asu.edu/tem/bs-technological-entrepreneurship-and-management/
WANER 240
technology@asu.edu
480-727-1874

## Technological Entrepreneurship and Management Minor (ESTEM2MIN)

Campus: Polytechnic

## Description:

A minor in technological entrepreneurship and management is available to students throughout the university who are interested in advancing ideas for new or improved products or services. The courses available for the minor are designed to advance entrepreneurial and systems thinking, and cover a broad range of topics important to venture startups such as creativity, entrepreneurship, innovation, global impact and systems thinking. This minor is available as either an on-campus or a 100 percent online program.

## Program Requirements:

Completion of the technological entrepreneurship and management minor requires 18 resident credit hours of the specified TEM courses with a grade of "C" or better in each course.

Students may not double count any courses with other entrepreneurship certificates.

Required Courses -- 12 credit hours
FSE 301 / ENT 360: Entrepreneurship and Value Creation (3)
TEM 230: Creativity and Business Innovation or ENT 340: Creativity and Innovation (L or HU) (3)
TEM 330: Systems Innovation or TEM 431: Innovation Management (3)
TMC 110: Understanding the Enterprise or ENT 305: Principles of Entrepreneurship (3)

Elective Courses -- 6 credit hours
ACC 382: Accounting and Financial Analysis (3)
CIS 300: Web Design and Development or GIT 215: Introduction to Web Authoring (3)
ENT 446: Venture Capital Experience (3)
ENT 447: Lean Launch (3)
ENT 448: Corporate Entrepreneurship (3)
LES 380: Consumer Perspective of Business Law or OMT 402: Legal Issues for Technologists (3)
MGT 380: Management and Strategy for Nonmajors or TMC 430: Enterprise Strategy and Innovation (3)
MKT 425: Global Marketing Management (G) (3)
TEM 294: Social Entrepreneurship I (3)
TEM 311: Opportunity Analysis (3)
TEM 394: Social Entrepreneurship II (3)
TEM 400: Technology Entrepreneurship (3)
TEM 481: Consulting Project (3)
TEM 482: Startup Workshop (3)
TMC 310: Promotion of the Enterprise or MKT 300: Marketing and Business Performance or MKT 390: Essentials of Marketing or AGB 420: Food Advertising and Promotion (3)
TMC 320: Funding the Enterprise or FIN 455: Entrepreneurial Finance (3)
TMC 330: Leading the Enterprise or MGT 300: Organization and Management Leadership or ENT 441: Entrepreneurial Management (3)
TMC 331: Quality Assurance (3)
TMC 410: Enterprise Operations (3)
TMC 470: Enterprise Planning and Implementation (3)

At least four (4) of the six (6) courses must be upper division.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

By petition, students can take two (2) upper division electives from their chosen discipline.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 3.00 minimum; junior standing

Majors Ineligible to Add This Minor: BS in technological entrepreneurship and management; BAS in applied science (operations management); BS in business entrepreneurship

Other Enrollment Requirements:

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information. The technological entrepreneurship and management minor is open to nonTEM undergraduate students. TEM students are not eligible to apply for this minor.

## Contact Information:

[^5]
## Theatre Minor (FATHEMIN)

Campus: Tempe

## Description:

Students pursuing the theatre minor study the literatures, histories and basic production practices of theatre while having opportunities to concentrate in an area such as:

- design and production
- directing and performance
- new work development
- theatre and performance studies
- theatre for youth


## Program Requirements:

The school offers a minor in theatre consisting of 22 credit hours of course work ( 12 credit hours must be upper division). A grade of "C" (2.00) or higher is required for all courses in the minor. All prerequisites for the minor courses must be met (see course listings). Transfer students may transfer up to 9 credit hours toward the minor.

Required Courses -- 13 credit hours
FMP 201: Film: The Creative Process I (HU) (3)
THE 100: Introduction to Theatre (HU) (3)
THE 322: Theatre History and Culture (HU \& H) (3)
THF 101: Acting Introduction (3)
THP 201: Theatre Production Crew (1)
*Students considering a minor in Film concurrently must complete an additional course in Theatre or Film to make up for the overlapping FMP 201 course (and THF 101, if taken for the Filmmaking Practices concentration).

Theatre-Related Upper Division Courses -- 9 credit hours
THE OR THF OR THP OR FMP Upper Division Elective (9)
FMP courses must be Theatre-related.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: All theatre majors

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232
fdt@asu.edu
480-965-5337

## Description:

The minor program in tourism development and management provides students with the planning and development skills needed to enter the largest industry in the world. Exposure to the businesses of sustainable tourism, heritage tourism and meeting and convention planning prepares students for successful careers in the fast-growing travel and tourism industry.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication and many others find this program a beneficial supplement to their existing program. Having completed the minor program in tourism development and management, a student also may complete a certificate in convention sales and meeting planning. For more information, students should access the school's website. Students may also choose to participate in a study abroad program.

## Program Requirements:

The tourism development and management minor requires 15 credit hours, six credit hours of required core courses and nine credit hours of elective courses.

Required Core Courses -- 6 credit hours
TDM 205: Introduction to Travel and Tourism (G) (3)
TDM 480: Sustainable Tourism (3)

Elective Courses (choose three) -- 9 credit hours
CSM 483: Sports Tourism (3)
Notes: Offered Spring only
PRM 486: Special Events Management (3)
TDM 225: Introduction to Resort and Hotel Management (3)
TDM 345: Meeting and Convention Planning (3)
TDM 350: Tourism, Recreation and Sports Marketing (3)
TDM 386: Convention Sales and Management (3)
TDM 415: Tourism Transportation Systems (3)
TDM 448: Heritage and Cultural Tourism (3)
TDM 458: International Tourism (G) (3)
TDM 494: Special Topics (3)

Standards

1. 15 hours of graded classroom course work (no internship, no independent study)
2. minimum grade of " C " ( 2.00 on a 4.00 scale) required for all classes in the minor
3. minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than tourism development and management
4. students should be a junior to take 400-level courses
5. no double-counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in tourism development and management; BS in tourism development and management (sustainable tourism); BS in tourism development and management (resort and hotel leadership)

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Public Service and Community Solutions, College of College of Public Service and Community Solutions
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Transborder Chicana/o and Latina/o Studies Minor (LATCLMIN)

Campus: Tempe

## Description:

In the transborder Chicana/o and Latina/o studies minor, students gain general knowledge about the Chicana/o and Latina/o populations in the United States and on the U.S.-Mexico border from a comparative perspective. The core requirements focus on this population's cultural, economic, sociological, historical, psychological and artistic experiences. For the remaining credit hours, students may select from courses in a variety of topics including:

- community development
- diversity in education
- film and the media
health issues
- immigration and migration
- language and bilingualism
- literature and performance
politics and policy
visual arts


## Program Requirements:

The minor requires 18 credit hours of TCL course work, of which at least 12 credit hours must be completed at the upper-division level. A grade of "C" ( 2.00 on a 4.00 scale) or better is required for all courses used toward the minor.

Core Requirements -- 6 credit hours
TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU \& C) or TCL 202: Transborder Society and Culture II: Contemporary Issues (SB \& C) (3)

TCL 331: Mexican American History to 1900 (SB \& H \& C) or TCL 332: Mexican American History Since 1900 (SB \& H \& C) (3)

Electives -- 12 credit hours
TCL Elective (3)
TCL Upper Division Elective (9

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in transborder Chicana/o and Latina/o studies (all concentrations)

Other Enrollment Requirements: None

An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Transborder Studies
https://sts.asu.edu/
INTDSB 165
sts.undergrad@asu.edu
480-965-5091

## Urban Planning Minor (ARPUPMIN)

Campus: Tempe

## Description:

The urban planning minor introduces students to the field of urban, regional and environmental planning. Students can select courses that include:

- comprehensive planning
- planning law
- public policy formulation
- site planning
- socioeconomic and environmental analyses
- sustainable planning
- urban design

Many students continue to specialize in planning at the graduate level. Students in the urban planning minor are exposed to the theories, methods and practices of the profession.

## Program Requirements:

A minimum of 18 credit hours are required for the minor, at least 12 of which must be upper-division. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours
PUP 301: Introduction to Urban Planning (L) (3)

Urban Planning Electives -- 6 credit hours
PUP Elective (6)

Upper Division Urban Planning Electives -- 9 credit hours
PUP Upper Division Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BSP in urban planning

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/undergraduate-minors-and-certificates/urban-planning
COOR 5671
geoplan.advising@asu.edu
480-965-7533
Urban and Metropolitan Studies Minor (PPURBMIN)
Campus: Downtown Phoenix

## Description:

The minor in urban and metropolitan studies offers students interested in the urban environment the opportunity to explore the wide variety of issues that influence the quality of life in urban communities. Students are encouraged to learn about cities as historical, social, cultural, economic and political phenomena in order to gain a strong understanding of the complex relationships that contribute to the problems and opportunities of urban living.

The program allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from various disciplines such as planning, business, political science, nonprofit management and leadership, communication, social work, geography and many others might find this program a beneficial supplement to their existing program.

## Program Requirements:

1. 12 hours of residence credit at ASU
2. 15 hours of course work with a "C" (2.00 on a scale of 4.00) or better in each course
3. nine hours of upper-division course work from the approved list.

Eligibility to pursue the minor requires a major other than urban and metropolitan studies.

Required Courses -- 6 credit hours
URB 300: Urban and Metropolitan Studies (3)
URB 305: Urban Governance (3)

Core Courses (choose two of the following) -- 6 credit hours
PAF 302: Public Service Research Methods (3)
PAF 410: Building Leadership Skills (SB) (3)
URB 220: Introduction to Urban America (3)
URB 240: Urban Policy (C) (3)
URB 302: Urban Theory (3)

Urban Elective (choose one course from the following subjects) -- 3 credit hours
ASB OR COM OR CRJ OR GCU OR GPH OR HST OR MGTOR NLM OR PAF OR POS OR PRM OR SBS OR SOC OR SOS OR SWU OR TDM OR TWC OR URB OR WST Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BA and BS in urban and metropolitan studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added.

Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/undergradminors
UCENT 400
spa@asu.edu
602-496-0450
Wellness Foundations Minor (ECEXWMIN)

## Description:

The wellness foundations minor is offered to any ASU student interested in learning about health and wellness. Students develop a greater understanding of the behavioral, social, cultural and environmental factors that impact personal wellness behaviors and healthy lifestyle choices to assist them in enhancing their own wellness. This course of study does not prepare students to pursue national certifications for professional practice in fields of study related to health, fitness or wellness.

## Program Requirements:

The minor in wellness foundations consists of 18 credit hours. The minor requires that students complete the following courses with a grade of " C " ( 2.00 on a scale of 4.00 ) or higher:
Students must complete at least 12 hours of upper division course work in the minor.

Required Courses -- 15 credit hours
EXW 100: Introduction to Health and Wellness (SB) (3)
EXW 325: Fitness for Life (3)
EXW 380: Body Image and Wellness (3)
HCD 340: Complementary Health Care (3)
NTR 100: Introductory Nutrition or NTR 241: Human Nutrition (3)

Elective Course (choose one course) -- 3 credit hours
EXW 344: Physical Activity in Health and Disease (3)
EXW 350: Substance Abuse and Addictive Behavior (3)
EXW 400: Stress Management for Wellness (3)
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) \& C) (3)
NTR 345: Development of Healthy Cuisines (3)
NTR 348: Cultural Aspects of Food (SB \& C \& G) (3)
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in exercise and wellness; BS in health sciences; BS in the science of health care delivery; BS in health sciences (healthy lifestyles coaching)

## Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/wellness-foundations
HLTHS 444AA
chs@asu.edu
602-496-3300

## Women and Gender Studies Minor (ASWSTMIN)

Campus: West

## Description:

The minor in women and gender studies is an interdisciplinary program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts.

## Program Requirements:

The minor in women and gender studies consists of 18 credit hours. A minimum of 12 credit hours must be upper division. A minimum of 6 credit hours must be taken from courses offered by the School of Humanities, Arts, and Cultural Studies. Courses should be chosen in consultation with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a " C " $(2.00)$ or better.

Core Requirements -- 6 credit hours
HRC 200: Introduction to Social and Cultural Analysis (SB \& C) (3)
WST 100: Women, Gender, and Society (SB \& C) or WST 300: Women and Gender in Contemporary Society (SB \& C) (3)

Electives (chosen from the following) -- 12 credit hours
ENG 454: Gender and Literature (L or HU) (3)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H) (3)
WST 300: Women and Gender in Contemporary Society (SB \& C) (3)
WST 333: Critical Perspectives on Sexuality (SB \& C) (3)
WST 341: Latin American Women Writers (3)
WST 370: Chronicling Women's Lives (HU \& C) (3)
WST 376: Feminist Theory (H \& C) (3)
WST 380: Race, Gender, and Class (SB \& C) (3)
WST 385: Psychology of Gender (SB) (3)
WST 390 / REL 390: Women, Gender and Religion (HU \& G) (3)
WST 430: Gender on the Borderlands (SB \& G) (3)
WST 449: Hate Speech, Manifestos, and Radical Writings (SB \& C) (3)
WST 473: Indigenous and Latina/Chicana Representation (SB \& C) (3)
WST 485: Women, Gender, and Leadership (SB \& C) (3)
WST Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Minor: BA in social and cultural analysis (women and gender studies); BA in women and gender studies; BS in women and gender studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/women-and-gender-studies-minor
FAB N100
harcsadvising@asu.edu
602-543-3000

## Women and Gender Studies Minor (LAWSTMIN)

Campus: Tempe, Online

## Description:

The minor program in women and gender studies provides students with an intensive, transdisciplinary liberal arts education that enables them to write well, think critically and analyze problems effectively. Students complete a variety of courses, including an option for a capstone seminar requiring original research and writing or an internship which will prepare students for life after college. Original undergraduate research is encouraged and some course options may involve studying community problems and formulating policy solutions.

## Program Requirements:

The women and gender studies minor consists of 18 credit hours, at least 12 of which must be upper-division. A minimum grade of "C" ( 2.00 on a 4.00 scale) is required for all courses in the minor.

Required Course -- 3 credit hours
WST 100: Women, Gender, and Society (SB \& C) or WST 300: Women and Gender in Contemporary Society (SB \& C) (3)

Elective Courses (Choose one) -- 3 credit hours
WST 377: History of American Feminist Thought (H \& C) (3)
WST 378: Global Feminist Theory (L \& G) (3)
WST 380: Race, Gender, and Class (SB \& C) (3)

Electives -- 12 credit hours
WST Elective (6)
WST Upper Division Elective (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements: <br> GPA Requirement: None

Majors Ineligible to Add This Minor: BA in social and cultural analysis (women and gender studies); BS and BA in women and gender studies

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor. Students should contact their academic advisor for more information.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/request-info)

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/women-and-gender-studies-minor
WILSN 125
SSTadvising@asu.edu
480-965-7682

## Youth Services Leadership Minor (HSYSLMIN)

Campus: Downtown Phoenix

## Description:

The minor program in youth services leadership is designed to explore the area of youth leadership from the perspective of those who work face to face with youth in a variety of settings. The minor allows students enrolled in a variety of undergraduate programs at ASU to broaden their knowledge of youth services. Students from programs such as education, nursing, social work, criminal justice and others may find this program a beneficial supplement to their existing program.

## Program Requirements:

The minor requires 15 credit hours, three credit hours of required courses and 12 credit hours of elective courses. At least nine credit hours must be upper division

Required Core Courses -- 6 credit hours
PRM 203: Program Planning (3)
PRM 335: Sports and Recreation for Youth Development (3)

Notes: Offered Spring only

Elective Courses (choose three) -- 9 credit hours
CRD 302: Inclusive Community Development (C) (3)
CRJ 204: Juvenile Justice (3)
CRJ 462: Gangs (3)
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 310: Volunteer Management (3)
NLM 451: Grant Writing (3)
Notes: Offered Spring only
PRM 364: Foundations of Recreation Therapy (SB) (3)
PRM 486: Special Events Management (3)
PRM 494: Special Topics (3)

Standards

1. 15 hours of graded classroom course work (no internship, no independent study)
2. minimum "C" ( 2.00 on a 4.00 scale) grade required for all classes in the minor
3. minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than tourism development and management
4. should be a junior to take 400-level courses
5. no double counting of courses for a major and the minor

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this minor.

## Enrollment Requirements:

GPA Requirement: 2.00

Majors Ineligible to Add This Minor: BS in parks and recreation management; BS in parks and recreation management (therapeutic recreation)

Other Enrollment Requirements: None

Current ASU undergraduate students may pursue a minor and have it recognized on their ASU transcript at graduation. Students interested in pursuing a minor should consult their academic advisor to declare the minor and to ensure that an appropriate set of courses is taken. Minor requirements appear on the degree audit once the minor is added. Certain major and minor combinations may be deemed inappropriate by the college or department of either the major program or the minor. Courses taken for the minor may not count toward both the major and the minor Students should contact their academic advisor for more information.

## Contact Information:

Public Service and Community Solutions, College of School of Community Resources and Development https://scrd.asu.edu/
UCENT 550
scrd@asu.edu
602-496-0550

# Undergraduate Certificates (Program Descriptions and Requirements) 

## Actuarial Science Certificate (LAACTCERT)

Campus: Tempe

## Description:

Actuarial science is an area of mathematical and statistical science that requires expertise in specializations of probability and interest theory, coupled with a strong foundation in accounting, finance and economics. This certificate provides students with preparation for professional actuarial credentialing exams offered by the Society of Actuaries and the Casualty Actuarial Society.

## Program Requirements:

Students must complete a minimum of 15 credit hours from the courses listed below. At least 12 credit hours must be upper-division work. At least six elective credit hours must be chosen from courses with the ACT prefix. In order to enroll in ACT courses, a minimum grade of "B" ( 3.00 on a 4.00 scale) is required for all prerequisite math, statistics and computer programming or applications coursework. A course grade of "C" (2.00 on a 4.00 scale) or better is required in all upper-division coursework.

Required Course -- 3 credit hours
ACT 201: Introduction to Elements and Techniques of Actuarial Science (3)

Electives (Choose four) -- 12 credit hours
A minimum of six credit hours must be ACT courses.
ACT 301: Risk Management and Insurance (SB) (3)
ACT 310: Mathematics of Finance (4)
ACT 415: Probability for Risk Management (3)
ACT 420: Ratemaking and Reserving (3)
ACT 430: Mathematics of Financial Derivatives (3)
ACT 435: Statistics for Risk Modeling (3)
ACT 440: Long-Term Actuarial Mathematics I (3)
ACT 441: Long-Term Actuarial Mathematics II (3)
ACT 450: Actuarial Models and Modeling I (3)
ACT 451: Actuarial Models and Modeling II (3)
CIS 308: Advanced Excel in Business (3)
CIS 355: Business Data Warehouses and Dimensional Modeling (3)
STP 425: Stochastic Processes (3)
STP 427: Mathematical Statistics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Although no specific degree is required for admission to the actuarial science certificate, a strong mathematical background is essential (found in majors such as mathematics, statistics, engineering and natural sciences). Students with a major or degree other than those listed will require additional preparation beyond the certificate. Students are required to have a minimum 3.00 cumulative GPA (scale is $4.00=$ "A") and grades of "B" or better in courses of multivariate calculus, linear algebra and introductory statistics at ASU or an equivalent institution.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

## Liberal Arts \& Sciences, College of

School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR A211
math@asu.edu

## African and African American Studies Certificate (LAAFRCERT)

Campus: Tempe

## Description:

The certificate program in African and African American studies examines the culture, arts, history, politics, economics and current status of Africans, African-Americans and the larger African diaspora, especially in the Caribbean, Central America and South America. The goal is to prepare students for lifelong learning, advanced study in a variety of fields, and successful careers and productive public service in an increasingly diverse society.

## Program Requirements:

The certificate consists of 24 credit hours, at least 18 of which must be completed at the upper-division level. All courses used toward the certificate must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or higher.

Required Core Course -- 3 credit hours
AFR 200: Introduction to Africana Studies (SB \& G \& H) (3)

Elective Core Course (select one) -- 3 credit hours
AFR 300: Precolonial Africa (SB \& G \& H) (3)
AFR 301: Race and Racism in Africa/African Diaspora (SB \& G) (3)
AFR 302: History of Black Women in America (SB \& H) (3)
AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB \& H) (3)

Electives -- 18 credit hours
AFR Upper Division Elective (18)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/african-and-african-american-studies-certificate
WILSN 125
SSTadvising@asu.edu
480-965-7682

## American Indian Nation Governance Certificate (LAAIGVCERT)

Campus: Tempe

## Description:

American Indian nation governance certificate students develop knowledge and insight of government and governance in Native American communities. The curriculum covers themes ranging from the history, policies and sovereign status of American Indians to the legal relationships between the Native American nations and state governments as well as the U.S. federal government.

Students completing this certificate program will be better prepared to work with Indian nations, federal and state agencies, and nonprofit organizations, regardless of their academic major or final career path.

## Program Requirements:

The certificate in American Indian Nation governance requires completion of 15 credit hours (12 of which must be upper-division and nine of which must be taken from the College of Liberal Arts and Sciences). Students complete six credit hours of American Indian studies and six credit hours of political science. An additional three credit hours are selected from the approved list of AIS and POS policy and applied courses, including an
optional internship. All courses must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or higher for use in the certificate.

AIS Core Courses (choose two) -- 6 credit hours
AIS 180: Introduction to American Indian Studies (C) (3)
AIS 380: Contemporary Issues of American Indian Nations (C) (3)
AIS 470: Tribal Governance (3)

POS Core Courses (choose two) -- 6 credit hours
POS 310: American National Government (SB) (3)
POS 325: Public Policy Development (SB) (3)
POS 346: Problems of Democracy (HU) (3)
POS 368: Ethics and Human Rights (3)
POS 370: Law and Society (SB) (3)
POS 439: Minority Group Politics in America (SB \& C) (3)

AIS or POS Policy and Applied Course (choose one) -- 3 credit hours
AIS 394: Reservation Economic Development (3)
AIS 455: Human Rights and Cultural Resource Laws (3)
AIS 484: Internship (3)
AIS 498: Pro-Seminar (L) (3)
POS 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
American Indian Studies Program
https://americanindian.clas.asu.edu
DISCVRY 356
AIS@asu.edu
480-965-3634

## Analysis and Management of Insurance Risk Certificate (LAAMIRCERT) <br> Campus: Tempe

## Description:

Risk management is the identification, assessment and prioritization of risks that is followed by coordination and economic application of resources to minimize risk and monitor the probability and impact of unfortunate events, or to maximize the realization of opportunity. The objective of risk management is to assure uncertainty does not deflect the endeavor from the business goals. The certificate program helps students become wellrounded business assessors of risk, ready to utilize their knowledge of mathematics, statistics, economics, marketing, business, finance and accounting in an insurance career.

## Program Requirements:

The certificate requires 15 credit hours from the approved course list with the only required course being ACT 301.

Required -- 3 credit hours
ACT 301: Risk Management and Insurance (SB) (3)

Electives (choose four) -- 12 credit hours
ACT 201: Introduction to Elements and Techniques of Actuarial Science (3)
ACT 302: Fundamentals of Enterprise Risk Management (3)
ACT 320: Property and Casualty Insurance (3)
ACT 330: Life and Health Insurance (3)
ACT 484: Internship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students must hold a minimum GPA of 2.50 to pursue this certificate and have completed the following prerequisite courses at ASU or an equivalent institution with a grade of " C " or better (scale is $4.00=$ " A "):

CIS 105 Computer Applications and Information Technology (3) or equivalent

ECN 211 Macroeconomic Principles (3) or ECN 212 Microeconomic Principles (3)

MAT 210 Brief Calculus (3)

STP 226 Elements of Statistics (3) or ECN 221 Business Statistics (3)

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student. Applicants should contact the unit for additional information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR 211
math@asu.edu
480-965-7195

## Applied Business Data Analytics Certificate (BABDACERT)

Campus: Tempe, Online

## Description:

The certificate in applied business data analytics is for students who are interested in practical uses for computer-based tool suites that are capable of managing vast amounts of data, providing sophisticated but easy-to-use means to manage and analyze that data and to leverage those tools for making good decisions about projects, process designs and fundamental decision-making tasks. Exposure to predictive analytics and modeling, big data techniques, and visualization provides significant insight into the advanced uses of the computer-based tools. Critical thinking is an important skill and mindset that is required to establish and evaluate evidence-based benchmarks for making good decisions leading to high-quality outcomes.

## Program Requirements:

The certificate in applied business data analytics requires 18 credit hours to complete and is available to all majors. At least 12 credit hours must be upper division.

Required Courses -- 18 credit hours
CIS 105: Computer Applications and Information Technology (CS) (3)
CIS 308: Advanced Excel in Business (3)
CIS 309: Business Process Management (3)
CIS 310: Business Data Visualization (3)
CIS 405: Business Intelligence (3)
Any Statistics Course (3)

To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or higher. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

The applied business data analytics certificate is open to all ASU students. The certificate application is accessed and submitted through Advising SOS: https://wpcarey.asu.edu/SOS (https://wpcarey.asu.edu/SOS).

No more than 6 credit hours may be shared between the certificate and other degree programs, minors or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/undergraduate-certificate-applied-business-data-analytics?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Business, W. P. Carey School of
Department of Information Systems
https://wpcarey.asu.edu/undergraduate-degrees/business-analytics-certificate
BA 301P
wpcareyis@asu.edu
480-965-3252

## Applied Social Sciences Certificate (ASAPSSCERT)

Campus: West

## Description:

The certificate program in applied social sciences in the New College of Interdisciplinary Arts and Sciences' School of Social and Behavioral Sciences at the West campus prepares students to apply social science tools to real-world problems.

Students collaborate to develop case studies, engage in fieldwork and learn both how to apply expert knowledge and how to communicate evidence. Working with stakeholders, students identify and solve problems, reform managerial structures and organizational systems, and drive social change. The certificate program is recommended for students with academic or career interests in human resources, administration, journalism, social work, business, community and civic work, as well as politics, organizing and advocacy, public policy, education and sustainability.

## Program Requirements:

The certificate in applied social sciences requires a minimum of 15 credit hours (at least 12 must be upper division). Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline.
All 15 credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of six credit hours may be shared between the certificate and a New College major.
The certificate requires six core credit hours and nine credit hours of electives. Electives are not limited to the certificate elective list; students should see their academic advisor prior to enrollment. A maximum of three credit hours of individualized instruction or internship may be applied toward the certificate.
Only courses in which a student received a grade of " C " ( 2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.

Required Core Courses -- 6 credit hours
POS 350: Comparative Politics (SB \& G) or SOC 331: Environmental Sociology (SB \& G) (3)
SBS 304: Social Statistics I (CS) or SBS 404: Social Statistics II: Multivariate Analysis (CS) (3)

Elective Courses (minimum 6 upper-division) -- 9 credit hours
Students will select nine credit hours from courses where an applied project is assigned within a specific context. Selected courses must come from at least two of the following prefixes: ASB, POS, SBS or SOC.
ASB 339 / SBS 339 / POS 339 / SOC 339: Grassroots Social Movements (SB) (3)
ASB 340 / SOC 328: Migration and Culture (SB \& G) (3)
ASB 394 / POS 394 / SBS 394 / SOC 394: Special Topics (3)
ASB 442 / SBS 460: Global Cities (SB \& G) (3)
ASB 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)
ASB 494 / POS 494 / SBS 494 / SOC 494: Special Topics (3)
ASB 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)
POS 150: Comparative Government (SB \& G) (3)
POS 350: Comparative Politics (SB \& G) (3)
SOC 241: Modern Social Problems (SB) (3)
SOC 331: Environmental Sociology (SB \& G) (3)

SOC 371: Inequality and Sustainability (3)
SOS 111: Sustainable Cities ((HU or SB) \& G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/applied-social-sciences
FAB N100
sbsadvising@asu.edu
602-543-3000

## Arabic Studies Certificate (LAARBCERT)

Campus: Tempe

## Description:

The certificate program in Arabic studies provides students with skills that will enable them to communicate effectively in Arabic in the four areas of language acquisition: listening, reading, speaking and writing.

Simultaneously, students gain broad knowledge and understanding of the culture, literature and traditions of the vast Arabic-speaking world. The program provides critically needed educational and cultural diversity that will enrich students' undergraduate experiences and prepare them for life as employees and employers.

Graduate students in the liberal arts, social sciences and humanities seeking academic or professional careers in any of the three disciplines also will benefit from this certificate because of the added advantage the program gives them in the job market, given the demonstrably high need for graduates with knowledge of the Arabic language.

## Program Requirements:

The Arabic studies certificate requires students to complete 18 credit hours of upper-division coursework. A grade of "C" (2.00 on a 4.00 scale) or better is required for each course. Students must also demonstrate proficiency in Arabic language by completing ARB 202 or above with a grade of "C" (2.00 on a 4.00 scale) or better or by taking a language proficiency test.

Arabic Core (Choose three) -- 9 credit hours
ARB 311: Advanced Arabic Skills I or ARB 411: Advanced Arabic Skills II (3)
ARB 321: Arabic Conversation I or ARB 421: Arabic Conversation II (3)
ARB 331: Arabic/Islamic Culture and Literature ( $\mathrm{HU} \& \mathrm{H} \& \mathrm{G}$ ) (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 341: Quran Text and Women (HU \& H) or ARB 351: Classical Arabic Literature (3)
ARB 352: Modern Arabic Literature in Translation or ARB 422: Advanced Arabic Media (3)

Elective Courses (Choose three) -- 9 credit hours
Some courses can be used either as a core course or as an elective, but no course can be counted more than once toward certificate requirements.

ARB 321: Arabic Conversation I (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 336: Introduction to the Qur'an (3)
ARB 337: Hadith and Prophetic Tradition (3)
ARB 341: Quran Text and Women (HU \& H) (3)
ARB 351: Classical Arabic Literature (3)
ARB 352: Modern Arabic Literature in Translation (3)
ARB 421: Arabic Conversation II (3)
GCU 328: Geography of Middle East and North Africa (SB \& G) (3)
HST 307: Studies in African History (H) (3)

HST 372: Modern Middle East (SB \& G \& H) (3)
REL 365: Islamic Civilization (HU \& H) (3)
REL 366: Islam in the Modern World (HU \& G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Any student accepted into an appropriate degree program at ASU can declare the certificate in Arabic studies. Students should contact an academic advisor in the School of International Letters and Cultures for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://clas.asu.edu/node/422
LL 440
silcadvising@asu.edu
480-965-6281

## Arts Entrepreneurship Certificate (HITHAECERT)

Campus: Tempe

## Description:

Arts entrepreneurship is an emerging transdisciplinary field that harnesses the skills and mindset of the entrepreneur to empower artists to create work that is meaningful, sustainable and oriented to community and market need. Students across art, dance, design, film, music and theatre disciplines will benefit from the business, marketing and organizational skills offered by certificate courses as applied specifically to and within the arts.

## Program Requirements:

The undergraduate certificate in arts entrepreneurship consists of 15 credits including nine credit hours of required courses. Of the remaining credits, three credits must be taken from each category of electives shown below: arts business; and arts policy, community, or socially engaged arts. A grade of " C " or better is required in all courses.

Core -- 6 credit hours
HDA 252: Foundations of Arts Entrepreneurship (3)
HDA 420: Design and the Arts Business Administration (3)

Arts Business Course (select one) -- 3 credit hours
ARA 396: Professional Practices for Design and the Arts (3)
ARA 460: Gallery Exhibitions (3)
DSC 394: Design Entrepreneurship \& Society (3)
FMP 494: Business of Media Industries (3)
MUP 438: The Enterprising Musician (3)
THP 351: Arts Management (3)
THP 450: Theatre Organization and Management (3)

Arts Policy, Community or Social Engaged Arts Course (select one) -- 3 credit hours
ARS 441: Public Art (3)
ART 442: Art and Community (3)
HDA 310: Socially Engaged Practice (3)
MUE 598: Music and Community Engagement (3)
Notes: Undergraduate students interested in MUE 598 should contact the instructor to request an override to enroll in this graduate level course. MUP 494: Music Product Creation and Development (3)
THP 482: Theatre for Social Change (C) (3)
URB 405: Citizen Engagement and Community Building (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

The certificate in arts entrepreneurship, meant to extend the study of an individual arts discipline, is available only to current students with a major within the Herberger Institute for Design and the Arts. Students may be admitted to the certificate program upon completion of HDA 252 Foundations of Arts Entrepreneurship (3) with a grade of "B" or better (scale is $4.00=$ "A") and an overall GPA of 3.00 or higher. Students must submit an application to the Herberger Institute Office of Student Success. Herberger Institute students meeting the course and GPA requirements may enroll in the certificate, and a Herberger Institute advisor will add the certificate plan code to the student's record.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
CDS 101D
fdt@asu.edu
480-965-4495

## Arts in Education Certificate (HIAEDCERT)

Campus: Tempe

## Description:

The certificate program in arts in education is specifically designed for prospective preK-8 educators who wish to enhance their teaching practices by developing the necessary skills to use the arts throughout the curriculum. By weaving the principles and practices of the arts and other disciplinary curricula together, teachers can create rich and engaging environments that enhance student learning by capitalizing on the critical thinking, communication, collaboration and creativity inherent in the arts and arts experiences.

## Program Requirements:

The certificate in arts in education requires 18 credit hours (12 upper-division). All upper-division courses must be completed with a minimum grade of "C" (2.00).

Arts Education Lower-Division Core -- 6 credit hours
ARA 195: Art in My World (HU) (3)
ARA 218: Art and Visual Learning (HU) (3)
ART 110: Drawing as Seeing and Thinking (HU) (3)
FMP 222: Education in Film (L) (3)
MUS 210: The Arts Around Us (HU) (3)
MUS 211: Dance, Music and Meaning (HU) (3)
MUS 212: Music, Meaning and Imagination (HU) (3)
MUS 213: Critical Thinking in the Arts (HU) (3)
MUS 214: Art, Music and Learning (HU) (3)
THP 212: Puppetry with Children (3)

Arts Education Upper-Division Core -- 9 credit hours
ARA 311: Art Appreciation and Human Development (HU) (3)
ARE 301: Studio Art and Human Development (3)
DCE 350: Dance in the Classroom: Learning Through Movement (HU) (3)
MUE 310: Music in Early Childhood (HU) (3)
MUE 311: Music in the Lives of Children and Youth (HU) (3)
THP 311: Creative Drama with Youth (L) (3)

Arts Elective Course -- 3 credit hours
Some courses are fewer than three hours and may be repeated for credit.

ARS 300: Introduction to Art (HU) (3)
DCE 300: Moving Histories (HU) (3)
DCE 301: Meaning in Motion (L or HU) (3)
DCE 303: The Body Condition(ed) (SB) (3)
DCE 402: Ethnography of Dance Practices (L) (3)
DCE 404: Dance and Ethics (3)
DCE 405: Rhetorical Moves (L or HU) (3)
MUP 442: Instrumental Ensembles (1-2)
MUP 443: Choral Ensembles (1-2)
MUP 450: Choral Union (1-2)
MUP 455: Men's Chorus (1-2)
MUP 457: Women's Chorus (1-2)
MUP 459: Barrett Choir (1-2)
MUP 489: Ethnomusicology Ensembles (1)
MUP 494: Concert Band (1-2)
MUS 340: Music for the Concert Hall, Stage, and Screen (HU \& H) (3)
MUS 347: Jazz in America (HU \& C) (3)
MUS 354: Jazz Giants (HU) (3)
MUS 355: American Music (HU \& C \& H) (3)
MUS 356: Broadway and the American Musical (HU) (3)
MUS 362: Rap Music and Hip Hop Culture (HU \& C) (3)
MUS 494: Urban Dance Music Ensemble (1)
THE 322: Theatre History and Culture (HU \& H) (3)
THP 411: Methods of Teaching Drama (3)
THP 482: Theatre for Social Change (C) (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Design \& the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu
CDS 101
HerbergerAdmissions@asu.edu
480-965-4495

## Asian Pacific American Studies Certificate (LAAPACERT)

Campus: Tempe

## Description:

Asian Pacific American studies addresses the historical and contemporary experiences of Asian-Americans and Pacific Islanders, what they have contributed to our society, and the complexity of racial formations in the U.S. The certificate program encourages students to learn about local Asian-American and Pacific Islander communities and organizations through research, courses and community internships.

## Program Requirements:

The certificate consists of 18 credit hours, of which at least 12 must be completed at the upper-division level. Nine credit hours of core coursework is required and the remaining nine credit hours are selected from any of the courses with an APA prefix. At least nine credit hours must be taken in residency at ASU. All courses must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or better.

Required Core Courses -- 9 credit hours
APA 200: Introduction to Asian Pacific American Studies ((HU or SB) \& C) (3)
APA 360: Asian Pacific American Experience ((HU or SB) \& C) (3)
APA 484: Internship (3)
*One APA 360 course is required for the core. The course may be repeated for credit with these different topics:

Asian Pacific American Psychology; Chinese American; Filipino American; Japanese American; Korean American; Multiracial Experiences; Pacific Islander; South Asian; Southeast Asian American

Electives -- 9 credit hours
APA Elective (3)
APA Upper Division Elective (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/asian-pacific-american-studies
WILSN 125
SSTadvising@asu.edu
480-965-7682

## Asian Studies Certificate (LAASNCERT)

Campus: Tempe

## Description:

The Asian studies certificate supplements a bachelor's degree and demonstrates knowledge of an Asian language as well as general knowledge of Asian history, art, culture and society. The certificate provides students with official transcript recognition of specialization in Asian studies.

## Program Requirements:

The certificate requires 24 credit hours of approved coursework, in addition to proficiency in an Asian language. 15 credit hours of upper-division area studies coursework must be chosen from at least four different disciplines, e.g., language and cultures, history, religious studies, anthropology, geography, political science, global studies, art, and music. Courses from other disciplines may be used by approval. The remaining nine credit hours may be chosen in any combination. At least six upper-division hours in the certificate must be in courses offered by the College of Liberal Arts and Sciences. A minimum grade of " C " ( 2.00 on a 4.00 scale ) is required for each course that is used to fulfill the certificate requirements.

## Language Requirement

Students must demonstrate proficiency in an Asian language by completing the 201 and 202 course sequence, one year of study abroad at the intermediate level or satisfactory performance on a proficiency exam. Asian languages include Chinese, Hindi, Indonesian, Japanese, Korean, Thai, Vietnamese.

Disciplinary Electives -- 24 credit hours
Upper Division Disciplinary Electives (15)
At least four different disciplines must be represented within the upper-division disciplinary electives (e.g., history, religious studies, global studies, anthropology). Cross-listed courses will only apply to the certificate under one discipline; students may choose the discipline that is most advantageous.
Disciplinary Electives (9)
Students select the remaining disciplinary electives from the lists below in any combination.

Anthropology
ASB 240: Introduction to Southeast Asia ((HU or SB) \& G) (3)
ASB 325: Peoples of Southeast Asia (G) (3)

Art History
ARS 201: Art of Asia (HU \& H \& G) (3)
ARS 444: Films of India (3)
ARS 472: Art of China (HU) (3)
ARS 473: Art of Japan (HU) (3)
ARS 475: Chinese Painting (HU) (3)

Cultural Geography
GCU 240: Introduction to Southeast Asia ((HU or SB) \& G) (3)
GCU 326: Geography of Asia (SB \& G) (3)
GCU 432: Geography of China (SB \& G) (3)
GCU 433: Geography of Southeast Asia (3)

Dance
DCE 114: Dances of India I (2)
Film and Media Studies
FMS 426: Films of India (3)
Global Studies
SGS 240: Introduction to Southeast Asia ((HU or SB) \& G) (3)
SGS 245: Introduction to South Asia (HU \& H \& G) (3)
SGS 311: Urbanization in China (3)
SGS 381: Modern Southeast Asia (SB \& G \& H) (3)

History
HST 106: Asian Civilizations ((HU or SB) \& G \& H) (3)
HST 107: Asian Civilizations ( SB \& $G \& H$ ) (3)
HST 108: Introduction to Japan (SB \& G \& H) (3)
HST 111: Introduction to Asia (HU \& H \& G) (3)
HST 201: Historical Themes in Asia (3)
HST 240: Introduction to Southeast Asia ((HU or SB) \& G) (3)
HST 245: Introduction to South Asia (HU \& H \& G) (3)
HST 302: Women, War and Peace ((HU or SB) \& G \& H) (3)
HST 303: Studies in Asian History (SB \& H) (3)
HST 383: China (SB \& H) (3)
HST 384: Modern China: 1700 to the Present (SB \& G \& H) (3)
HST 385: History of Chinese Medicine (HU \& H \& G) (3)
HST 386: Interpreting China's Classics ((L or HU) \& H) (3)
HST 387: Japan ((L or SB) \& H) (3)
HST 388: Japan (SB \& G \& H) (3)
HST 389: Japan Society and Values/Premod (3)
HST 391: Modern Southeast Asia (SB \& G \& H) (3)
HST 392: Modern India (3)
HST 451: Chinese Cultural History I ((HU or SB) \& H) (3)
HST 452: Chinese Cultural History II (SB \& G \& H) (3)
HST 453: The People's Republic of China (SB \& G \& H) (3)
HST 456: The Vietnam War (SB \& G \& H) (3)
HST 459: Gandhi and the Politics of Nonviolence (3)
Language and Cultures
CHI 120 / SLC 120: Introduction to Chinese Culture (L or HU) (3)
CHI 205: Chinese Calligraphy (1)
CHI 307: Introduction to Literary Chinese I (HU) (3)
CHI 308: Introduction to Literary Chinese II (HU) (3)
CHI 321: Chinese Literature (HU) (3)
CHI 322: Chinese Literature ( $\mathrm{HU} \& \mathrm{G}$ ) (3)
CHI 333 / SLC 333: China (SB \& H) (3)
CHI 335 / SLC 335: History of Chinese Medicine (HU \& H \& G) (3)
CHI 336 / SLC 336: Interpreting China's Classics ((L or HU) \& H) (3)
CHI 338: The Daoist Bible: The Daode jing (HU \& L) (3)
CHI 343: Daoism ((L or HU) \& G \& H) (3)
CHI 345: Chinese Film and Civilization (3)
CHI 348: Pathways into Chinese Culture (3)
CHI 430: Readings in Chinese Religions (HU \& G) (3)
CHI 450: Classical Prose (3)
CHI 451 / SLC 451: Chinese Cultural History I ((HU or SB) \& H) (3)
CHI 452 / SLC 452: Chinese Cultural History II (SB \& G \& H) (3)
CHI 461: Readings in Traditional Chinese Literature I (3)
CHI 462: Readings in Traditional Chinese Literature II (3)

CHI 470: Modern Chinese Literature and Culture (3)
JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G) (3)
JPN 315: The Language of Japanese Popular Culture I: Gender and Onomatopoeia/Mimesis (G) (3)
JPN 316: The Language of Japanese Popular Culture II: Honorifics and Dialects (G) (3)
JPN 401: Reading Modern Japanese Texts I ((L or HU) \& G) (3)
JPN 414: Introduction to Classical Japanese (3)
JPN 415: Advanced Classical Japanese (3)
JPN 485: Literary Translation: Theory and Practice (3)
KOR 321 / SLC 321: Modern Korean Literature (3)
KOR 347: Korean Film and Literature (HU) (3)
KOR 350: Women of Korea (H) (3)
KOR 354: Religions of Korea (HU) (3)
KOR 457 / SLC 457: Premodern Korea in a Global Context (3)
SLC 245: Introduction to South Asia (HU \& H \& G) (3)
VTN 321: Advanced Vietnamese and Literature I (HU \& G) (3)
VTN 322: Advanced Vietnamese and Literature II (HU \& G) (3)

Music
MUP 489: Gamelan (1)

Political Science
POS 240: Introduction to Southeast Asia ((HU or SB) \& G) (3)
POS 245: Introduction to South Asia (HU \& H \& G) (3)
POS 357: South Asia Politics (SB \& G) (3)
POS 358: Southeast Asia (SB \& G) (3)
POS 451: China, Japan, and the Koreas (SB \& G) (3)
POS 452: China (SB \& G) (3)
POS 468: Comparative Asian Foreign Policies (SB \& G) (3)

Religious Studies
REL 111: Introduction to Asia (HU \& H \& G) (3)
REL 240: Introduction to Southeast Asia ((HU or SB) \& G) (3)
REL 245: Introduction to South Asia (HU \& H \& G) (3)
REL 338: The Daoist Bible: Daode jing (HU \& L) (3)
REL 343: Daoism ((L or HU) \& G \& H) (3)
REL 344: Religion and Values in Japanese Life (HU \& G) (3)
REL 345: Asian Religious Traditions (HU \& G) (3)
REL 346: Chinese Religions (3)
REL 347: Peace and Conflict in India ((L or HU) \& G) (3)
REL 348: Religion and Culture in Southeast Asia (3)
REL 350: Hinduism ((L or HU) \& G) (3)
REL 351: Buddhism ((L or HU) \& G) (3)
REL 352: Modern Buddhism (3)
REL 354: Religions of Korea (HU) (3)
REL 355: Japanese Cities and Cultures to 1800 (HU) (3)
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) \& G) (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 365: Islamic Civilization (HU \& H) (3)
REL 366: Islam in the Modern World (HU \& G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible To Add This Certificate: BA in Asia studies (East Asia); BA in Asia studies (South Asia); BA in Asia studies (Southeast Asia)

Other Admission Requirements: None

There are no specific admission requirements other than a student's desire to learn about Asia. To add the certificate, students must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For U.S. Department of Education Gainful Employment Program Disclosure information, students should see: https://catalog.asu.edu/files/disclosures/LAASNCERT/Gedt.html (https://catalog.asu.edu/files/disclosures/LAASNCERT/Gedt.html).

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/189
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

## Atmospheric Sciences Certificate (LAATMSCERT) <br> Campus: Tempe

## Description:

The certificate program coursework is associated with the requirements for certification as a meteorologist by the National Weather Service. Students will achieve skill sets in GIS and meteorological instrumentation, which is beyond the scope of study in the undergraduate program in meteorology-climatology at the School of Geographical Science and Urban Planning. Additional work will be required for national-level certification with the National Weather Service.

## Program Requirements:

The certificate requires 21 credit hours with a " $C$ " ( 2.00 on a 4.00 scale) or higher. At least 12 of the 21 credit hours must be upper-division courses.
Required Courses -- 18 credit hours
GPH 212: Introduction to Meteorology (SQ) (3)
GPH 213: Climate and Weather (SG) (3)
GPH 412: Physical Meteorology (3)
GPH 413: Meteorological Instruments and Measurement (3)
GPH 414: Climate Change (G) (3)
MAT 275: Modern Differential Equations (MA) (3)

Upper Division Elective Course (Choose one) -- 3 credit hours
GIS 311: Geographic Information Science III (CS) (4)
GIS 341: Cartography and Georepresentation (CS) (3)
GIS 351: Air Photo Interpretation (3)
GPH 314: Global Change (HU \& G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Applicants must have completed GPH 111 Introduction to Physical Geography, MAT 271 Calculus with Analytic Geometry II, and PHY 121 University Physics I: Mechanics with a grade of "C" or better ( 2.00 on a 4.00 scale).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu
COOR 5671

## Biomedical Research Certificate (ASBMRCERT)

Campus: West

## Description:

The biomedical research certificate program offered by ASU's New College of Interdisciplinary Arts and Sciences at the West campus combines authentic research experience conducted in laboratories of practicing academic scientists with upper-division coursework, including laboratory courses, that allow for specialization in given subject areas. The program is intended to serve students seeking competency in addressing scientific questions in the laboratory and prepares them to be highly competitive for careers in the research sector or to pursue graduate and professional schools, such as medical school.

## Program Requirements:

The certificate in biomedical research requires a minimum of 15 credit hours (at least 12 must be upper-division). 12 credit hours must be taken at ASU. The certificate requires three core credit hours, 8 credit hours of electives, and four hours of LSC 388 Research Fundamentals or LSC 499 Individualized Instruction. Students who select LSC 499 will register for two consecutive semesters for two credit hours each. Nine credit hours must be counted toward the certificate alone and may not be shared with a student's major requirements. Only courses in which a student received a grade of "C" ( 2.00 on a 4.00 scale) or higher may be used to meet certificate requirements.

Required Course -- 3 credit hours
STP 280: Probability and Statistics for Researchers (CS) (3)

Elective Courses -- 8 credit hours
BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory (4)
BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory (4)
BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory (4)
BIO 443: Applied Molecular Genetics and Genomics AND LSC 447: Molecular Genetics Laboratory (4)
MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory (4)

Other Certificate Requirements (choose one option below) -- 4 credit hours

Option A -- 4 credit hours
LSC 388: Research Fundamentals for the Natural Sciences (L) AND LSC 499: Individualized Instruction (4)
Notes: Students complete LSC 388 (3 credit hours) and LSC 499 (1 credit hour)

Option B -- 4 credit hours
LSC 499: Individualized Instruction (4)
Notes: Students who select LSC 499 will register for two consecutive semesters for two credit hours each.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

This certificate requires a 3.00 cumulative GPA in ASU coursework and upper-division standing or graduate student status.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of School of Mathematical and Natural Sciences
https://newcollege.asu.edu/biomedical-research
FAB N100
mnsadvising@asu.edu
602-543-3000
Brazilian Studies Certificate (LABZSCERT)

## Description:

The certificate in Brazilian studies encourages students to create a plan of study focusing on current sociocultural influences that will allow them to compete more successfully in the global job market. Students pursue coursework in important areas including complementary courses in specific issues in Brazilian culture, theexamination of major themes in Brazilian popular and urban culture with particular emphasis on Afro-Brazilian society, a grounding in the major texts of Brazilian literature and proficiency in the Portuguese language at the intermediate level.

## Program Requirements:

The certificate in Brazilian studies requires 18 credit hours. A "C" ( 2.00 on a 4.00 scale) or better is required in all upper-division coursework. At least 12 of the 18 required credit hours must be upper-division course work.

Required Courses -- 6 credit hours
POR 313: Portuguese Composition and Conversation (G) (3)
POR 314: Portuguese Composition and Conversation (G) (3)
Content Courses -- 12 credit hours
GCU 323: Geography of Latin America (SB \& G) (3)
GCU 485 / PUP 485: Brazil: Language, Culture \& Place (G) (3)
REL 332: South American Indian Religions (HU \& G) (https://webapp4.asu.edu/catalog/courselist?s=POR\&l=upperdivision\&t=2187\&hon=F" > POR Upper Division Elective (3)
*Other courses may be used with approval from an academic advisor in the School of International Letters and Cultures.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/brazilian-studies
LL 440
silcadvising@asu.edu
480-965-3752
Child Life Certificate (LACHLFCERT)
Campus: Downtown Phoenix, Tempe

## Description:

Child life specialists are experts in child development who promote effective coping skills among children facing challenges related to health care and hospitalization. This transdisciplinary program offered through the School of Community Resources and Development and the T. Denny Sanford School of Social and Family Dynamics is designed to assist students to prepare for the national qualifying child life exam.

A portion of the national certification exam eligibility requirements, as outlined by the Child Life Council, are met by obtaining this certificate.

## Program Requirements:

The program requires 21 credit hours consisting of 18 hours of graded classroom coursework plus a three credit hour practicum. All courses must be completed with a grade of "B" ( 3.00 on a 4.00 scale) or better.

Required Courses -- 21 credit hours
CDE 337: Early Childhood Intervention (3)
CDE 450: Child Dysfunction in the Family (3)
PRM 364: Foundations of Recreation Therapy (SB) (3)
PRM 384: Recreational Therapy Practicum (3)

PRM 406: Program Design \& Administration in Recreation Therapy (3)
PRM 455: Play in Child Life (3)
PRM 460: Assessment \& Documentation in Recreation Therapy (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students wishing to pursue the child life certificate must complete two prerequisites before applying for the program:

- CDE 232 Human Development, SB (3) with a grade of "B" (3.00 on a 4.00 scale) or higher
- CDE 338 Child Development Practicum (or comparable experience working with children, as determined by the director of the child life certificate)

For additional information and application, students should consult with an academic advisor in either the School of Community Resources and Development or the Sanford School.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu
SS 144
email@thesanfordschool.org
480-965-6978
Child Life Certificate (LACHLFCERT)
Campus: Downtown Phoenix, Tempe

## Description:

Child life specialists are experts in child development who promote effective coping skills among children facing challenges related to health care and hospitalization. This transdisciplinary program offered through the School of Community Resources and Development and the T. Denny Sanford School of Social and Family Dynamics is designed to assist students to prepare for the national qualifying child life exam.

A portion of the national certification exam eligibility requirements, as outlined by the Child Life Council, are met by obtaining this certificate.

## Program Requirements:

The program requires 21 credit hours consisting of 18 hours of graded classroom coursework plus a three credit hour practicum. All courses must be completed with a grade of "B" (3.00 on a 4.00 scale) or better.

Required Courses -- 21 credit hours
CDE 337: Early Childhood Intervention (3)
CDE 450: Child Dysfunction in the Family (3)
PRM 364: Foundations of Recreation Therapy (SB) (3)
PRM 384: Recreational Therapy Practicum (3)
PRM 406: Program Design \& Administration in Recreation Therapy (3)
PRM 455: Play in Child Life (3)
PRM 460: Assessment \& Documentation in Recreation Therapy (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students wishing to pursue the child life certificate must complete two prerequisites before applying for the program:

- CDE 232 Human Development, SB (3) with a grade of "B" (3.00 on a 4.00 scale) or higher
- CDE 338 Child Development Practicum (or comparable experience working with children, as determined by the director of the child life certificate)

For additional information and application, students should consult with an academic advisor in either the School of Community Resources and Development or the Sanford School.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu
SS 144
email@thesanfordschool.org
480-965-6978

## Civic Education Certificate (LACVECERT)

Campus: Tempe

## Description:

The civic education certificate is designed to contribute to the preparation of undergraduate students for careers in primary and secondary education where the teaching of government and civics may be involved. It also is preparation for careers or voluntary participation in politics, public service, civic and social movements and for further education in law, journalism, business, history, sociology, political science and other fields where an understanding of questions of citizenship, leadership, community, democracy, public responsibility and ethics is crucial.

## Program Requirements:

The certificate in civic education is comprised of 15 credit hours in political science. At least 12 credit hours must be upper-division. A minimum of six upper-division credit hours must be taken in courses offered by the College of Liberal Arts and Sciences. Courses must be completed with a grade of "C" (2.00 on a scale of 4.00 ) to fulfill minor requirements.

Theoretical Foundations -- 6 credit hours
POS 210: Political Ideologies (SB) (3)
POS 442: American Political Thought (HU) (3)

Topics in Political Theory (Choose one) -- 3 credit hours
POS 340: History of Political Philosophy I (HU \& H) (3)
POS 341: History of Political Philosophy II (HU \& H) (3)
POS 346: Problems of Democracy (HU) (3)
POS 443: Topics in Contemporary Political Theory (HU) (3)
POS 475: Morality and Politics (3)

Civics in Action (Choose two) -- 6 credit hours
POS 313: The Congress (SB) (3)
POS 314: The American Presidency (SB) (3)
POS 315: The Supreme Court (SB) (3)
POS 325: Public Policy Development (SB) (33)
POS 332: American Political Parties (SB) (3)
POS 333: Interest Groups (SB) (3)
POS 348: Do You Want to Build a Nation? (L) (3)
POS 370: Law and Society (SB) (3)
POS 410: Governing American Cities (SB) (3)
POS 417: Arizona Politics (SB) (3)
POS 435: Women and Politics (SB \& C) (3)
POS 439: Minority Group Politics in America (SB \& C) (3)
POS 470: Law and the Political Order (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students should contact the School of Politics and Global Studies for more information about completing the civic education certificate.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://pgs.clas.asu.edu/
COOR 6797
spgs@asu.edu
480-965-8563

## Civil Communication Certificate (LACCOMCERT)

## Campus: Tempe

## Description:

The Hugh Downs School of Human Communication certificate in civil communication provides students specific training in dialogue-based methods of civility, application of critical civil communication skills in public spheres, and civil and productive modes of argumentation. This specialization provides students with the ability to recognize, competently practice, and facilitate the ever-increasing demand for civil discourse in society and workplace organizations. The foundational courses offer the opportunity for transdisciplinary collaboration and community engagement.

## Program Requirements:

The certificate requires 18 credit hours. Nine of the 18 credit hours must be ASU resident credit courses, including six upper-division credit hours offered by the College of Liberal Arts and Sciences. Twelve credit hours must be completed at the upper-division level. All courses must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or better.

Required Courses -- 9 credit hours
COM 222: Argumentation (L) (3)
COM 225: Public Speaking (L) (3)
COM 327: Civil Communication (3)

Elective Courses (select three) -- 9 credit hours
COM 312: Communication, Conflict, and Negotiation (3)
COM 319: Persuasion and Social Influence (SB) (3)
COM 321: Rhetorical Theory and Research ((L or HU) \& H) (3)
COM 325: Advanced Public Speaking (L) (3)
COM 341: Social Contexts for Performance (3)
COM 421: Rhetoric of Social Issues (HU) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students should contact the Hugh Downs School of Human Communication for additional information.

## Contact Information:

Liberal Arts \& Sciences, College of
Hugh Downs School of Human Communication
https://humancommunication.clas.asu.edu/
STAUF 412A
communication@asu.edu
480-965-5095

## Classical Studies Certificate (LACLGCERT)

Campus: Tempe

## Description:

The classical studies program offers students a wide variety of opportunities to study the language, literature and culture of the ancient Greeks and Romans. The School of International Letters and Cultures offers a certificate in classical studies for those students interested in pursuing a classical education in conjunction with another major or as part of their general studies.

## Program Requirements:

The certificate in classical studies requires a minimum of 28 credit hours. At least 12 credit hours must be at the upper-division level. All courses must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or higher.

Language Requirement -- 16 credit hours
Five semesters of language courses in either Ancient Greek or Latin (16)
GRK 101 and GRK 201 are each 4 credit-hour courses. GRK 301 and 302 are each 3 credit-hour courses may be used to satisfy the language requirement and repeated to count toward the Classical Studies Electives requirement
LAT 421 may be used to satisfy the language requirement and repeated to count toward the Classical Studies Electives requirement. Credit hours taken for the language requirement that exceed the required 16 credit hours will be applied to ASU's 120 credit-hour minimum.

Classical Studies Electives (choose four from the following) -- 12 credit hours
APH 313: History of Architecture I ((L or HU) \& G \& H) (3)
ARS 402: Art of Ancient Egypt (HU \& H) (3)
ARS 404: Greek Art (HU \& H) (3)
ARS 406: Roman Art (HU \& H) (3)
ARS 410: Early Christian and Byzantine Art (HU) (3)
ENG 303: Classical Backgrounds of English Literature (HU) (3)
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (3)
HST 348: Rome (SB \& H) (3)
HST 349: Early Middle Ages ((HU or SB) \& H) (3)
HST 350: Later Middle Ages ((HU or SB) \& H) (3)
HST 362: Sex and Society in Classical and Medieval Europe (SB \& H) (3)
HST 373: Roman History I: Foundations and Republic (3)
HST 374: Roman History II: The Roman Empire (3)
HST 495: Politics in the Ancient Greek World (L) (3)
LAT 421: Roman Literature (HU) (3)
PHI 328: History of Ancient Philosophy (HU \& H) (3)
POS 340: History of Political Philosophy I (HU \& H) (3)
REL 315: Hebrew Bible (Old Testament) ((L or HU) \& H) (3)
REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)
REL 371: New Testament (HU) (3)
REL 375: Lost Scriptures, Lost Christianities (HU) (3)
REL 396: Women in the Bible (3)
SLC 344: Classics and Comics (3)
SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War (3)
SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB \& H) (3)
SLC 360: Greece and Rome at War (3)
SLC 361: Roman Religion (HU) (3)
SLC 362: Ancient Greek Religion (3)
SLC 373: Roman History I: Foundations and Republic (3)
SLC 374: Roman History II: The Roman Empire (3)
SLC 444: Heroes, Ancient and Modern (L or HU) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students interested in the classical studies certificate program must contact the coordinator of the certificate before being accepted into the program. Students should contact an academic advisor at the School of International Letters and Cultures for more information.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/classical-studies
LL 440
silcadvising@asu.edu
480-965-6281

## Communication Sciences and Disorders Certificate (NHCSDCERT)

Campus: Tempe

## Description:

The postbaccalaureate certificate in communication sciences and disorders is designed for students who have already received a bachelor's degree in another discipline but wish to pursue a master's degree in speech-language pathology or communication disorders. This coursework will provide students with the prerequisite background and knowledge necessary to perform at the master's degree level in the field. Completion of the postbaccalaureate certificate will allow students to meet the American Speech Language and Hearing Association requirements to enter master's degree programs in speech-language pathology or communication disorders.

## Program Requirements:

There are 27 required credit hours in the certificate in communication sciences and disorders. A "C" minimum is required for all courses in the certificate, although students must maintain a 3.00 GPA in the certificate program.

Required courses -- 27 credit hours
SHS 250: Introduction to Phonetics (3)
SHS 310: Anatomical and Physiological Bases of Speech (3)
SHS 311: Hearing Science (3)
SHS 367: Language Science (SB) (3)
SHS 375: Speech Science (3)
SHS 401: Principles of Audiology (3)
SHS 402: Clinical Methods and Treatment of Communication Disorders (3)
SHS 465: Speech and Language Acquisition (SB) (3)
SHS 496: Aural Rehabilitation (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Prospective students must have earned a bachelor's degree in a field outside of speech and hearing science with a minimum GPA of 3.00 (scale is $4.00=$ "A").

Students interested in this certificate should apply for university admission as nondegree-seeking graduate students and see an advisor in Speech and Hearing Science to add this certificate. Students should see https://students.asu.edu/graduate/nondegree (https://students.asu.edu/graduate/nondegree) for more information.

## Contact Information:

Health Solutions, College of
Department of Speech and Hearing Science
https://chs.asu.edu/programs/communication-sciences-and-disorders
COOR 2211
shsgrad@asu.edu
480-965-2374
Computer Gaming Certificate (ESSCICERT)
Campus: Tempe

## Description:

The computer gaming certificate program is designed to provide a game development skill set that the student can apply to domain-specific applications in the student's major. The skill set includes architecture of game engines, art design and computer graphics for gaming, and game software development.

In this certificate program, students learn to apply gaming technology to the rapidly growing video game industry and to business, medicine, geography, biotechnology and education. Examples of projects include:

- building a game that teaches linear algebra by incorporating trigonometric rules into the game design
- creating a game that teaches correct sentence construction to beginning learners of English
- creating a game to help patients with physical therapy
- creating an interactive virtual world for corporate training
- designing a game platform incorporating geographic information systems
- inventing a surgical simulation to educate medical students


## Program Requirements:

Students will complete nine credit hours of core courses, including a final capstone project and nine credit hours of elective courses. The certificate requires 12 credit hours of upper-division coursework. Students need to allow at least three years to complete the certificate program due to the prerequisite structure

Core Courses -- 9 credit hours
CPI 111: Game Development I (CS) (3)
CPI 211: Game Development II (3)
CPI 441: Gaming Capstone (3)

Elective Courses -- 9 credit hours
CPI 311: Game Engine Development or SER 332: Introduction to Graphics and Game Development (3)
CPI 321: Fundamentals of Game Art (3)
CPI 411: Graphics for Games or SER 432: Game Engine Architecture (3)
CPI 421: 3-D Modeling and Texturing (3)
CPI 462: Design for Learning in Virtual Worlds (3)
CPI 484: Internship (3)
SER 431: Advanced Graphics (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

The computer gaming certificate is open to any student admitted to an undergraduate degree program at ASU and in good academic standing. This certificate can also be used by interdisciplinary studies BA students as part of their degree program

All students are eligible to take CPI courses. Students who want to declare the certificate need to complete the undergraduate certificate form on the Registrar's website and submit it to the School of Computing, Informatics and Decision Systems Engineering Academic Advising Center located in Centerpoint, Room 105. Interdisciplinary studies students need to contact their advisor to add the computer gaming concentration to their degree program.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computing and Informatics Program
https://cidse.engineering.asu.edu/forstudent/undergraduate/certificates/computer-gaming/
CTRPT 105
cidse.undergrad@asu.edu
480-965-3199
Convention Sales and Meeting Planning Certificate (PPTDMCERT)

Campus: Downtown Phoenix

## Description:

The U.S. meetings, conventions and exhibitions industry generates more than $\$ 120$ billion a year, supporting nearly two million jobs. Students can explore this exciting growth industry with the convention sales and meeting planning certificate. The demand for professionals is strong, and this program provides an excellent foundation for enhancing career opportunities nationally, regionally and locally. Phoenix is a major convention and meeting destination.

There is a need for qualified professionals to service conventions and meetings, due in large part to the $\$ 600$ million investment in the Phoenix Convention Center expansion; development of new hotels and other visitor-related products; and the steady influx of corporate headquarters relocating to the greater Phoenix area. The certificate, which has been endorsed by the Greater Phoenix Convention and Visitors Bureau and the Arizona Sunbelt Chapter of Meeting Professionals International, will enhance a graduate's career opportunities as a tourism professional.

## Program Requirements:

The certificate requires 15 credit hours: four required core courses (12 credits) and one elective course ( 3 credits). Courses taken as part of a university major may count toward that degree and the certificate. Requirements can be met online. All core classes and some elective classes are taught online at least once a year. To earn the certificate, students must complete a minimum of 12 upper-division credit hours. An application to the program is required.

Required Core Courses -- 12 credit hours
TDM 205: Introduction to Travel and Tourism (G) (3)
TDM 345: Meeting and Convention Planning (3)
Notes: Prerequisite: TDM 205, grade of "C" (2.00) or better
TDM 350: Tourism, Recreation and Sports Marketing (3)
Notes: Prerequisite: TDM 205, grade of "C" (2.00) or better
TDM 386: Convention Sales and Management (3)

Elective (choose one) -- 3 credit hours
TDM 225: Introduction to Resort and Hotel Management (3)
TDM 458: International Tourism (G) (3)
PRM 486: Special Events Management (3)

## Standards

1. Fifteen credit hours of graded classroom coursework are required (no internship, no independent study).
2. A minimum " C " ( 2.00 on a 4.00 scale) grade is required for all classes in the certificate.
3. A minimum GPA of 2.00 is required for those pursuing the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students wishing to pursue the convention sales and meeting planning certificate should consult an academic advisor in the School of Community Resources and Development. Students seeking additional information are asked to visit the school's website.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Correctional Studies Certificate (PPCRTSCERT)

Campus: Downtown Phoenix

## Description:

The certificate program in correctional studies educates students about a variety of components that make up the corrections system. It is designed to provide students with understanding and knowledge of the histories, philosophies and contemporary practices of both institutional and community
corrections. The program emphasizes evidence-based best practices concerning the rehabilitation of correctional clients to reduce recidivism.

## Program Requirements:

Required Courses -- 15 credit hours
CRJ 443, 444, and 445 may not be double-counted for major/minor credit.
CRJ 100: Introduction to Criminal Justice (SB) (3)
CRJ 240: Introduction to Corrections (3)
CRJ 443: Community Corrections (3)
CRJ 444: Institutional Corrections (3)
CRJ 445: Tools for Engaging Correctional Populations (3)

Elective Courses -- 6 credit hours
Choose at least two from the following elective courses (may not be double-counted for credit toward the major or minor in criminology and criminal justice):
CRJ 394: Special Topics (3)
Notes: Only approved corrections-related topics
CRJ 406: Sex Crimes (3)
CRJ 411: Legal Issues in Corrections (3)
CRJ 434: Drugs of Abuse (3)
CRJ 435: Crime and Forensic Mental Health (3)
CRJ 484: Internship (3)
CRJ 494: Special Topics (3)
Notes: Only approved corrections-related topics

Special Topics courses (CRJ 394 and CRJ 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the correctional studies certificate program.

At least 15 credit hours must be taken in-residence at ASU.
Lower-division courses such as CRJ 100 (Introduction to Criminal Justice) and CRJ 240 (Introduction to Corrections) may be used to satisfy the requirements of any major or a minor at ASU, as well as requirements for the certificate program in correctional studies. No upper-division courses in criminology and criminal justice, however, may be used to satisfy the requirements of the certificate program in correctional studies and either the major or minor in criminology and criminal justice. For example, students majoring or minoring in criminology and criminal justice may not use CRJ 394, CRJ 406, CRJ 411, CRJ 434, CRJ 435, CRJ 443, CRJ 444, CRJ 445, CRJ 484, or CRJ 494 to satisfy the requirements of the certificate in correctional studies and either the major or minor in criminology and criminal justice.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students must complete CRJ 100 Introduction to Criminal Justice ( 3 credit hours) with a grade of " C " or better (scale is $4.00=$ " A ") in order to be admitted to the certificate program. This course may be taken in residence at ASU or may be transferred from other institutions, including community colleges. Because this course is a requirement for the bachelor's degree program and the minor in criminology and criminal justice, its completion satisfies the requirements of the major or minor and satisfies the prerequisite requirement for admission to the certificate program in correctional studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
SCCJAdvising@asu.edu
602-496-2356

## Creative City Certificate (PPURBCERC)

Campus: Downtown Phoenix

## Description:

The creative city certificate prepares students to engage effectively in revitalizing cities and communities by tapping their inherent potential for cultural innovation, place-making, and social and economic entrepreneurship. Exploring best practices in a global context, students develop assetbased proposals for specific locales including implementation plans. The creative city certificate adds value to other majors as well as work and life experience for students aspiring to assume leadership roles in improving quality of life, specifically by enhancing quality of place.

Cities are centers of human creativity and cultural innovation; they both attract and breed these. Such creativity and innovation are apparent in the vitality of the arts as well as that of businesses (large and small), research (basic and applied) and the everyday life unique to any given locale. These are the ingredients that make our places sustainable, economically, socially and environmentally, by endowing a sense of place along with a sense of community.

This certificate also serves professionals in the community working in the areas of:

- community development
- land-use law
- parks and recreation
- philanthropy
planning
- public art
urban governance and others

Flexible class times and locations make the certificate a viable option for those unable to attend classes during the day.

## Program Requirements:

The five-course sequence comprising the certificate will enable students to build upon their own strengths in order to help cities and communities creatively build upon their capacities. The creative city certificate consists of a maximum of 15 credit hours of coursework. All courses must be taken at ASU.

Required Core Courses -- 6 credit hours
URB 405: Citizen Engagement and Community Building (3)
URB 406: Public Administration \& Community Development (3)

Elective Courses -- 9 credit hours
GRA 401: Creative Environment (3)
NLM 160: Voluntary Action and Community Leadership (SB) (3)
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 300: Fund Raising and Resource Development (3)
NLM 402: Assessment and Evaluation of Community Services (3)
PAF 420: Public Leadership (3)
PRM 120: Leisure and the Quality of Life (SB) (3)
PRM 210: Leisure Delivery Systems (3)
PRM 301: Sustainable Communities (3)
PRM 302: Inclusive Community Development (C) (3)
TDM 448: Heritage and Cultural Tourism (3)
URB 220: Introduction to Urban America (3)

A "C" (2.00 on a 4.00 scale) or better is required in all upper-division coursework
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/undergradminors
UCENT 400

## Criminal Investigations Certificate (PPCRICERT)

Campus: Downtown Phoenix, West

## Description:

The certificate program in criminal investigations educates students about a variety of aspects of criminal investigations and criminalistics. It is designed to provide students of the social sciences, natural sciences, humanities and public services with an understanding of the nature of criminal evidence; the language of forensic science; the scope, probative value and limitations of a variety of investigative specializations and their techniques; and an appreciation of how forensic investigative methods are used in the quest for justice. The certificate program allows students to satisfy at least two of their General Studies requirements (SQ and SB) in a thematic manner, but it is not designed to prepare students to work in a crime laboratory.

## Program Requirements:

Required Courses -- 12 credit hours
CRJ 100: Introduction to Criminal Justice (SB) (3)
CRJ 210: Introduction to Criminal Investigations (3)
CRJ 211: Documenting the Crime Scene (3)
CRJ 410: Procedural Criminal Law (3)

Elective Courses (choose three) -- 9 credit hours
CRJ 321: Imperatives of Proof (3)
CRJ 433: Death Investigations: Principles of Forensic Medicine (3)
CRJ 434: Drugs of Abuse (3)
CRJ 435: Crime and Forensic Mental Health (3)
CRJ 450: Crime Analysis (3)
CRJ 484: Internship (1-6)
CRJ 494: Special Topics (3)
Notes: only in approved investigations-related topics
FOR 350: Computer Forensics (3)
FOR 394: Special Topics (3)
Notes: only in approved investigations-related topics
FOR 410: Professional Practices in Forensic Science (L) (3)
FOR 484: Internship (1-6)

1. It is the student's responsibility to check the prerequisites required by courses in their discipline. Depending upon a student's program of study, prerequisite courses may be needed to complete the requirements of this certificate.
2. Special Topics courses (FOR 394 and CRJ 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the criminal investigations certificate program.
3. At least 12 credit hours must be taken in-residence at ASU.
4. A "C" ( 2.00 on a 4.00 scale) or better is required in all core and elective course work required for the certificate.
5. Upper-division course work may not be used to satisfy the requirements of both a major and the certificate. Thus, if any elective courses in the certificate program are being used to satisfy the requirements of a major, different elective courses must be taken to satisfy the requirements of the certificate program. For example, students majoring in criminology and criminal justice may not use CRJ 433, CRJ 434, CRJ 435, CRJ 484 or CRJ 494 to satisfy the requirements of the major and the certificate in criminal investigations. Similarly, students majoring in forensic science may not use FOR 350, FOR 410 or FOR 484 to satisfy the requirements of the major and the certificate in criminal investigations.
Prerequisite Information
CRJ 100 Introduction to Criminal Justice, SB (3) is a prerequisite requirement to enroll in CRJ 210, CRJ 211, CRJ 433, CRJ 434, CRJ 435, CRJ 484 and CRJ 494.
ACO 100 All About Data: Design, Query, and Visualization, CS (3) is a prerequisite requirement to enroll in FOR 350 Computer Forensics. Either FOR 286 Principles of Forensic Science (3) or the two semester sequence in FOR 105 and FOR 106 is a prerequisite requirement to enroll in FOR 410 Professional Practices in Forensic Science, L (3). ENG 102 or 105 or 108 are also prerequisites for FOR 410.
CRJ 284 Professional Growth in Criminal Justice (3) is a prerequisite requirement to enroll in CRJ 484 Internship.
The completion of at least 45 credit hours is a prerequisite requirement to enroll in FOR 484 Internship.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students must complete the following prerequisite courses with a grade of " C " of higher ( scale is $4.00=$ " A ") in order to be admitted to the certificate program. These courses may be taken in-residence at ASU or may be transferred in from other institutions, including community colleges.

The following prerequisite courses are required for admission to the certificate program:

For students majoring in the social sciences, humanities or the arts:*
FOR 105 Physical Evidence and the Crime Scene, SQ (4) and
FOR 106 Biology Behind the Crime Scene, SQ (4)

For students majoring in the natural sciences:*
FOR 286 Principles of Forensic Science (4)

* Neither FOR 105 nor FOR 106 have any prerequisites. These courses are designed for students majoring in the social sciences, humanities or arts to meet the natural science requirement of ASU's General Studies program. Thus, students not majoring in the natural sciences who wish to declare the certificate program in criminal investigations must complete the two-course sequence in FOR 105 and FOR 106. In contrast, students majoring in the natural sciences (including forensic science) should not take FOR 105 and FOR 106; they need only complete FOR 286: Principles of Forensic Science, which has prerequisite requirements of BIO 181, BIO 182, CHM 113 and CHM 116.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
SCCJAdvising@asu.edu
602-496-2356

## Cross-Sector Leadership Certificate (PPCSLDCERT)

Campus: Downtown Phoenix

## Description:

The certificate program in cross-sector leadership provides a comprehensive overview of leading solutions to complex social challenges by integrating the public, private, nonprofit and military sectors. Students engage in a systems-thinking approach to real-world challenges faced by local and global communities; explore the diverse characteristics and motives of each sector in engaging in cross-sector collaborations; and master processes to formalize such partnerships. Students gain leadership skills, such as leading change within and between organizations across multiple sectors, and they learn to use human-centered design, social entrepreneurship and other approaches when tackling community challenges. Students study values-based leadership and how individual, organizational and sector values can drive a leader's ability to act. Students end the program with a thesis or applied project that integrates the theories, procedures and concepts learned in the certificate courses with experiences from the students' internships in each sector.

## Program Requirements:

The certificate in cross-sector leadership is a requirement for, and is limited to, participants in the Public Service Academy's Next Generation Service Corps, a four-year leadership development track that engages future civilian leaders in the public, private and nonprofit sectors to engage in collaboration and change in the context of social challenges in which they hold interest. Students are required to maintain a 3.00 GPA and demonstrate forward academic progress to maintain enrollment in the certificate as well as the Next Generation Service Corps. ROTC students also may pursue the certificate, but must maintain a 3.00 GPA in certificate courses.

Required Courses -- 12 credit hours
CPP 101: Foundations of Cross Sector Leadership (1)
Notes: Term 1
CPP 201: NGSC Community Impact Lab (2)
Notes: Term 2
CPP 301: Cross-Sector Collaboration (3)
Notes: Term 4 or 5
NLM 410 / CPP 410: Social Entrepreneurship (3)
Notes: Term 5 or 6
PAF 311: Leadership and Change (SB) (3)
Notes: Term 5 or 6

Elective (Choose one) -- 3 credit hours
CPP 394: NGSC Leadership Instruction (3)

Notes: Term 5, 6, 7 or 8
PAF 421: Leadership Capstone (3)
Notes: Term 7 or 8

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Enrollment in the certificate in cross-sector leadership is offered only to students participating in the Next Generation Service Corps or the Reserve Officers Training Corps. Enrollment requirements for the certificate are the same as admission requirements for the Next Generation Service Corps or Reserve Officer Training Corps (by request). Public Service Academy staff and the College of Public Service and Community Solutions Dean's Office will enroll students.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree.

## Contact Information:

Public Service and Community Solutions, College of
College of Public Service and Community Solutions
https://psa.asu.edu
UCENT 707
psa@asu.edu
602-496-0201

## Cryptology Certificate (LACRYCERT)

Campus: Tempe

## Description:

The certificate program in cryptology is designed to provide a strong foundation in the mathematical topics that are most applicable to modem cryptosystems. It also provides specialized knowledge required to understand and work in the field of mathematical cryptology.

## Program Requirements:

This certificate requires 18 credit hours. Grade of "C" ( 2.00 on a 4.00 scale) or better is required for all courses.

Required Courses -- 12 credit hours
MAT 440: Group Theory or MAT 444: Intermediate Abstract Algebra (3)
MAT 445: Theory of Numbers (3)
MAT 447: Cryptography I (3)
MAT 448: Cryptography II (3)

Electives Courses (select two) -- 6 credit hours
MAT 415: Introduction to Combinatorics (3)
MAT 416: Introduction to Graph Theory (3)
MAT 441: Ring Theory (3)
STP 421: Probability (3)
STP 427: Mathematical Statistics (3)
*Students may substitute an approved cryptography-related internship for 3 credit hours of elective work.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

This program has additional admission requirements; students should see a college advisor for details. Applicants should be in good academic standing with a "B" or better (scale is $4.00=$ "A") in MAT 300 Mathematical Structures (3) or the equivalent.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR A211
math@asu.edu
480-965-7195

## Desert Food Production Certificate (LSDFPRCERT)

## Campus: Polytechnic

## Description:

The certificate program in desert food production equips students interested in producing foods locally with the knowledge and skills necessary to grow edible plants and to navigate the challenges unique to desert climates. Coursework in the program emphasizes organic food production, sustainable horticultural technologies, green waste reduction, water conservation, maintaining biodiversity and biological cycles, and enhancing soil quality. Students will gain marketable skills that will enable them to participate in the growing trend of producing and supporting the consumption of local foods.

## Program Requirements:

The desert food production certificate requires a minimum of 18 credit hours.
Additional certificate requirements:
Only courses in which a student receives a grade of "C" ( 2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.
No more than two credit hours of ABS 484 Internship may be counted toward the certificate requirements.
Four credit hours of certificate electives must be from upper-division courses.

Required Courses -- 12 credit hours
ABS 260: Fundamentals of Sustainable Horticulture (SG) (4)
ABS 368: Plant Propagation (3)
ABS 460: Organic Gardening (2)
ABS 464: Desert Horticulture (3)

Elective Courses -- 6 credit hours
ABS 225: Soils (SQ) (3)
ABS 226: Soils Laboratory (SQ) (1)
ABS 360: Southwest Home Gardening (2)
ABS 462: Greenhouse/Nursery Management (4)
ABS 484: Internship (2)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

GPA Requirement: 2.00
Majors Ineligible to Add this Certificate: None
Other Enrollment Requirements: None

This certificate is open to students in any major. Students should contact an advisor in the College of Integrative Sciences and Arts for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Integrative Sciences and Arts, College of College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233

## Digital Business Innovation Certificate (BADBICERT)

Campus: Tempe

## Description:

The transformation of the business landscape in recent years, caused by digital innovations, has been phenomenal. It is increasingly important for all business professionals to understand the nature of digital technologies and platforms. Broad technology skills, familiarity with managing technology projects, and specifying business requirements for technology platforms are essential skills that are valued by all corporations.

This certificate in digital business innovation provides students with a broad overview of modern-day digital information systems, exposes them to studying and transforming business processes, and gives exposure to modern tools for maintaining digital presence and developing analytical insights.

## Program Requirements:

The digital innovation certificate requires 18 credit hours to complete and is available to all majors. To earn the certificate, students must complete all courses with a grade of " C " ( 2.00 on a scale of 4.00 ) or higher. No more than six credit hours may be shared between the certificate and other degree programs, minors, and/or other certificates.

Required Courses -- 18 credit hours
CIS 105: Computer Applications and Information Technology (CS) (3)
CIS 235: Introduction to Information Systems (3)
CIS 300: Web Design and Development (3)
CIS 308: Advanced Excel in Business (3)
CIS 311: Business Project Management (3)
CIS 312: Business Mobile Commerce and Monetization (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Business, W. P. Carey School of
Department of Information Systems
https://wpcarey.asu.edu/information-systems-degrees
BA 301P
wpcareyis@asu.edu
480-965-3252

## Digital Culture Certificate (HIDGCCERT)

Campus: Tempe

## Description:

The digital culture certificate program in the Herberger Institute for Design and the Arts focuses on the creative exploration of how new media is influencing our culture, or rather the way we live, learn, create and communicate. Pursuing the digital culture certificate will allow students to enhance their program of study with integrated, transdisciplinary training in creative processes and technical skills in new media with cultural applications.

## Program Requirements:

The digital culture certificate requires 18 credit hours (12 upper-division) in three areas.

A minimum grade of a " C " (2.00) and an overall GPA of 3.00 is required in all classes in the certificate program. Courses in the certificate program
may not be used as part of a major. All upper-division certificate course work must be taken at ASU.

Required Courses -- 6 credit hours
AME 111: Introduction to Digital Culture (CS) (3)
AME 112: Computational Thinking for Digital Culture or AME 230: Programming for the Media Arts (CS) (3)

Digital Culture Studies -- 3 credit hours
AME 310: Media Literacies and Composition (3)
AME 320: Motion Capture for Integrative Systems (3)
AME 330: Digital-Physical Systems (3)
AME 340: Compositional and Computational Principles for Media Arts (3)
AME 394: Media Theatre (3)
AME 410: Interactive Materials (3)
AME 430: Mac Development for Media Arts (3)
AME 435: Mobile Development (3)
AME 444: Media Installations (3)
AME 470: Programming for Social and Interactive Media (3)
AME 494: Animating Virtual Worlds (3)
AME 494: Rapid Prototyping through Somatic Research (3)
ANP 394: Digital Modeling and Fabrication (3)
PSY 324: Memory and Cognition (3)

Digital Media - Media Arts and Design -- 6 credit hours
ART 494: Visual Prototyping (3)
EEE 307: Signal Processing for Digital Culture (3)
FMP 394: Non-Linear Editing for Film and Media (3)
MDC 311: Composing and Performing for Hybrid Ensembles (3)

Capstone -- 3 credit hours
AME 485: Digital Culture Capstone I (3)

Generous substitution rules allow for course flexibility. Students receiving the digital culture certificate can petition to substitute up to six credit hours. Three credit hours can come from any course related to digital culture through courses offered by any ASU unit on any ASU campus, including the interdisciplinary arts and performance program on the West campus and the film and media studies program on the Tempe campus. Courses may include any on the list of related subjects and substitutions (shown above) or courses with comparable content.

The other three substitution hours can be achieved through the following path:

The three-hour media arts and design course requirement may be substituted with a three-hour course in the digital culture-related category. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Degree-seeking undergraduates or nondegree-seeking graduate students may add the digital culture certificate. To add the certificate, students must meet with the digital culture academic success coordinator to develop a pathway that best meets the proficiences for the work they are interested in pursuing. Students then meet with the academic advisor for their major to add the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Design \& the Arts, Herberger Institute for Arts, Media and Engineering Sch T https://artsmediaengineering.asu.edu/ STAUF B 217 herbergeradvising@asu.edu 480-965-9438

Diversity and Equity Studies Certificate (ASDESCERT)
Campus: West

## Description:

The certificate program in diversity and equity studies in the School of Social and Behavioral Sciences, in the New College of Interdisciplinary Arts and Sciences at the West campus, prepares students to understand diversity. Possessing skills to work effectively with diverse colleagues, clients and leaders is fundamental to competitiveness in the increasingly diverse and transnational labor market. This certificate program develops intercultural competence through gaining knowledge related to the histories, practices and perspectives of diverse groups, both local and global. Reflecting on this knowledge permits students to develop strategies to work with and through differences of gender, race, ethnicity, sexuality, age, religion and class. Integrative social sciences perspectives enable bridge-building within and across differences to redress inequalities. This certificate is valuable to those pursuing careers in medicine, law, business and management, public policy, human resources, media, government and community advocacy.

## Program Requirements:

The certificate in diversity and equity studies requires a minimum of 15 credit hours (at least 12 must be upper division).
Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline.
The certificate requires three core credit hours and 12 credit hours of electives. Electives are not limited to the certificate elective list; see academic advisor prior to enrollment.

All 15 credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences.

A maximum of six credit hours may be shared between the certificate and a New College major.
A maximum of three credit hours of internship or individualized instruction may be applied toward the certificate.
Only courses in which a student received a grade of "C" ( 2.00 on a 4.00 scale) or higher may be used to meet certificate requirements.

Required Core Course -- 3 credit hours
SBS 301: Cultural Diversity ((L or SB) \& C) (3)

Elective Courses (minimum 9 upper-division) -- 12 credit hours
Students will select 12 elective credit hours from course work related to diversity and equity studies. Selected courses must come from at least two of the following prefixes: ASB, POS, SBS or SOC.

ASB 211: Women in Other Cultures ((HU or SB) \& G) (3)
ASB 311: Principles of Social Anthropology (SB \& G \& H) (3)
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)
ASB 340 / SOC 328: Migration and Culture (SB \& G) (3)
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB \& C) (3)
ASB 346: Marriage and Family Diversity (SB \& C) (3)
ASB 394 / POS 394 / SBS 394 / SOC 394: Special Topics (3)
ASB 442 / SBS 460: Global Cities (SB \& G) (3)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism, and Identity (SB \& C) (3)
ASB 484 / POS 484: Internship or SBS 484: Internship or SOC 484: Internship (3)
ASB 494 / POS 494 / SBS 494 / SOC 494: Special Topics (3)
ASB 499 / POS 499 / SBS 499 / SOC 499: Individualized Instruction (3)
POS 357: South Asia Politics (SB \& G) (3)
POS 436: Gender, Sexuality, Nation-States (3)
POS 437: Women, Power, and Politics (G) (3)
POS 438: Latino Politics (SB \& C) (3)
SOC 241: Modern Social Problems (SB) (3)
SOC 264: Gender and Society (SB \& C) (3)
SOC 270: Racial and Ethnic Relations (SB \& C) (3)
SOC 371: Inequality and Sustainability (3)
SOC 400: Perspectives on Aging (SB) (3)
SOC 426: Social Inequality (SB) (3)
SOC 457: Global Social Movements (SB \& G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students should contact an advisor in the New College of Interdisciplinary Arts and Sciences for more information.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/diversity-and-equity-studies
FAB N100
sbsadvising@asu.edu
602-543-3000

## Domestic Violence and Evidence-based Practice Certificate (PPDVEPCERT)

Campus: Downtown Phoenix

## Description:

The certificate program in domestic violence and evidence-based practice provides students with the experience and knowledge to intervene safely and effectively on behalf of the survivors of gender-based violence, a vulnerable group that helping professionals are likely to encounter in all areas of practice. Those knowledgeable about the dynamics of intimate partner violence are better equipped to assist those suffering its negative physical and mental health consequences.

Evidence-based care is crucial in domestic violence settings. Students of the certificate program engage in service-based and classroom learning to understand the role of evidence-based interventions in promoting survivor safety and client empowerment. Upon completion of the program, certificate holders become Arizona state-certified advocates for victims of domestic violence.

## Program Requirements:

During their first semester in the certificate, students enroll in SWU 416, Domestic Violence and National AmeriCorps Service.
Students must participate in an approved internship for a minimum of 300 hours.

Required Courses -- 9 credit hours
SWU 416: Domestic Violence and National AmeriCorps Service (3)
SWU 484: Internship or SWU 412: Field Instruction I (3)
Notes: Other internship credit may be substituted with department approval.
SWU 484: Internship or SWU 414: Field Instruction II (3)
Notes: Other internship credit may be substituted with department approval.

Electives -- 6 credit hours
SWU 417: Technology, Interpersonal Relationships and Abuse (3)
SWU 418: Global Perspectives on Violence Against Women (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

All students seeking the certificate must have 56 credit hours of coursework completed with a minimum GPA of 2.50 . In order to enroll in SWU 416 , students must have a current Arizona fingerprint clearance card, which will be verified through the State of Arizona system.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Public Service and Community Solutions, College of
School of Social Work
https://socialwork.asu.edu
UCENT 810E
social.work@asu.edu
602-496-0800

## Economic Justice Certificate (LAECNJCERT)

## Campus: Tempe

## Description:

Students will gain knowledge of economic justice that will promote the growth of sustainable communities locally, nationally and globally. Students complete coursework in the theories and philosophies of economic justice and economic justice praxis to prepare them for transdisciplinary exploration into areas of personal interest. Completion of the coursework in this certificate will prepare students to support and create change by:

- analyzing and developing policies to build local skills
- developing the capacity to design, control, manage and evaluate initiatives that can economically revitalize communities
- increase research abilities
- lay the groundwork for new approaches to economic justice


## Program Requirements:

The certificate in economic justice requires 15 credit hours, at least 12 of which must be completed at the upper-division level. All courses must be completed with a grade or "C" (2.00 on a 4.00 scale) or better.

Theories and Foundation in Economic Justice - select one course -- 3 credit hours
ASB 316: Money and Culture (L or SB) (3)
ECN 360: Economic Development (SB \& G) (3)
JUS 321: Wealth Distribution and Poverty (SB \& C) (3)
JUS 323: Justice and the Development of the Welfare State (SB) (3)
JUS 325: Globalization and Socio-Economic Justice (SB \& G) (3)

Economic Justice Praxis - select one course -- 3 credit hours
ASB 328: Rules, Games, and Society (L) (3)
ECN 331: Economics of the European Economic Union (SB \& G) (3)
SOS 371: Inequality and Sustainability or ASB 371: Inequality and Sustainability (L) (3)
JUS 405: Inequality, Economy and Justice ((L or SB) \& G) (3)
PUP 434: Economic Development Planning (L or SB) (3)
SGS 350: Economic Development and Globalization (3)
SWU 432: Social Policy and Services (3)

Transdisciplinary Component
To provide students with an opportunity to focus on a particular racial group, nation, region, or specific historical event while also providing a broad interdisciplinary framework, students will select three electives. Courses must be taken from both of the substantive areas below, and from two or more academic units. Any course listed below may count towards this requirement, as well as other courses approved by the program director

Race, Gender, Class, Citizenship and Economic Justice - select two courses -- 6 credit hours
AIS 380: Contemporary Issues of American Indian Nations (C) (3)
APA 350: Inequality and Diversity in Education (L \& C) (3)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism, and Identity (SB \& C) (3)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)
HST 306: Business History ((HU or SB) \& H) (3)
HST 325: Immigration and Ethnicity in the United States (SB \& H \& C) (3)
HST 333: African American History to 1865 (SB \& H \& C) (3)
IAS 305: Work and Identity (SB) (3)
JUS 420: Women, Work, and Justice ((L or SB) \& C) (3)
JUS 425: Race, Gender, and Justice ((L or SB) \& C) (3)
JUS 438: Human Differences: Dilemmas of Justice ((L or HU) \& C) (3)
SWU 374: Diversity and Oppression in a Social Work Context (C) (3)
TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) \& H \& C) (3)

National and Global - select one course -- 3 credit hours
ASB 342 / SOC 342 / SBS 342: Mexico-U.S. Borderlands (SB \& C) (3)
AFR 304 / JUS 304: Islands of Globalization: Caribbean Politics and Political Economy (SB \& G \& H) (3)
ECN 441: Public Economics (SB) (3)
JUS 408: Comparative Development of the Welfare State (L \& G) (3)
JUS 469: Political Deviance and the Law ((L or SB) \& C) (3)
PHI 336: Social and Political Philosophy (HU) (3)
POS 480: Global Justice (G) (3)
POS 486: International Political Economy (SB \& G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

In order to declare this certificate, a student must have a minimum of 30 earned credit hours and must first meet with an academic advisor in the School of Social Transformation.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/economic-justice
WILSN 125
SSTadvising@asu.edu
480-956-7682

## Energy and Sustainability Certificate (SUESUCERT)

Campus: Downtown Phoenix, Polytechnic, Tempe

## Description:

The transdisciplinary certificate examines current energy systems and what would be required to create a sustainable energy future. Students begin with an overview of how energy affects peoples' lives, the basic science and methods of energy production, and a full overview of energy policy options. Students then select additional energy courses from across many disciplines, depending on their specific interests.

An understanding of energy is increasingly important for jobs related to environmental quality, national security and the efficient functioning of cities. This certificate helps students enhance their understanding of the methods by which energy is generated and distributed as well as the associated sustainability issues. Students analyze social and policy dimensions of energy systems and infrastructure, and they may tailor the certificate around their unique interests in energy with a variety of electives, representing a broad array of academic disciplines. The breadth of their energy knowledge is enriched by taking courses outside their primary area of study.

## Program Requirements:

The certificate in Energy and Sustainability consists of 15 credit hours, at least 12 of which must be upper-division.
A GPA of 2.50 is required for all courses completed in the certificate.

Required Core Courses -- 9 credit hours
SOS 171 / GCU 171: The Thread of Energy (SB \& G) (3)
SOS 314: Basic Energy Science (3)
SOS 315: Energy Policy (3)

Energy Elective Courses -- 6 credit hours
ALT 360: Renewable Energy Technologies: Fundamentals and Integration (3)
ALT 412: Village Energy Systems (3)
CHM 394: Chemistry, Energy, and Society (3)
EGR 371: Best Practices for Humanitarian Engineering (3)
EGR 476: Microgrid Design and Operation (3)
ERM 494: Algae in Water/Energy/Food Nexus (3)
ERM 494: Energy Economics (3)
FIS 494: Climate Change, Energy, and Social Justice (3)
GCU 364: Energy in the Global Arena (SB \& G) (3)
GCU 442: Geographical Analysis of Transportation (SB) (3)
GLG 304: Minerals, Energy, and Society (3)
GPH 405: Energy and Environment (3)
HST 306: Energy History ((HU or SB) \& H) (3)
JUS 332: Politics of Energy Policy and Justice (3)
JUS 444: Environment and Justice (L \& C) (3)
PHY 498: The Science of Sustainable Energy (3)

POS 394: Global Environmental Politics (3)
PUP 430: Transportation Planning and the Environment (3)
SOS 309: History and Philosophy of Sustainability (3)
SOS 323: Sustainable Urban Dynamics (3)
SOS 394: Introduction to Solar Energy for Non-Engineers (3)
SOS 394: Sustainability in Organizations and Public Policy (3)
SOS 435: U.S. Energy: Pathways to Sustainability (3)
SOS 494: Creating Living Buildings (3)
SOS 494: GHG Emissions Inventory (3)
SOS 494: Renewable Energy (3)
SOS 494: Should I Eat Fish? Ecology, Economics, \& Policy (3)
STS 317: Science, Technology, and Global Engagement (SB \& G) (3)
STS 329: Technology in Developing Countries (SB \& G) (3)
STS 332: Global Issues in Science and Technology (SB) (3)
TEM 450: Design for the Developing World (3)
HST 306 and any 394, 494 or 498 courses must be taken with the specific course title/topic indicated above.
Energy elective courses are not limited to courses from this list only. Other courses on energy may be offered (special topics, etc.). Students may request to have those approved as an elective for this certificate by submitting a School of Sustainability standards petition: https://students.asu.edu/College_Standards_Petitions . Completed petitions may be submitted directly to sosadvising@asu.edu.

Students must earn a grade of "C" or better in all courses.
Some energy elective courses have prerequisites. Any and all prerequisites must be met in order to select and enroll in those courses. Some energy elective courses are more technical in nature, which may require additional math and science knowledge or prerequisites. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students who wish to declare a certificate in energy and sustainability should make an appointment with a School of Sustainability advisor.
Advising is by appointment only, scheduled through the following website: https://webapp4.asu.edu/advsched/?acad_org=CSS
(https://webapp4.asu.edu/advsched/?acad_org=CSS).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/
WGHL 108
sosadvising@asu.edu
480-727-6963

## Entertainment and Technology Certificate (LAFMSUERE)

## Campus: Tempe

## Description:

The entertainment and technology certificate is for students interested in the study of entertainment and technology history, theory and convergence. Students have the opportunity to analyze industry changes through time, to identify current industry trends and to develop likely entertainment and technology models and scenarios for the future.

## Program Requirements:

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a
nondegree-seeking graduate student.

For more information, students should contact the department as well as see https://english.clas.asu.edu/about/academic-program-areas/film-and-media-studies-program (https://english.clas.asu.edu/about/academic-program-areas/film-and-media-studies-program).

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/node/253
RBH 170
englishadvising@asu.edu
480-965-3168

## Entrepreneurship and Innovation Certificate (BAKEICERT)

Campus: Tempe

## Description:

The certificate program is comprised of three university-wide core courses followed by two courses within a student's disciplinary college. Individual colleges will be encouraged to offer a capstone course as part of the program. Beyond topics related specifically to entrepreneurial business practices, courses include such topics as social entrepreneurship, arts entrepreneurship, idea generation and storytelling as additional perspectives for the student entrepreneur.

Students completing the certificate in entrepreneurship and innovation have their achievements recognized on their transcripts. Career services markets the certificate to potential employers, highlighting the innovative skills that students with this designation can offer

## Program Requirements:

Required Core Courses -- 9 credit hours
ENT 305: Principles of Entrepreneurship (3)
ENT 340: Creativity and Innovation (L or HU) or TEM 230: Creativity and Business Innovation (3)
ENT 360: Entrepreneurship and Value Creation or TEM 400: Technology Entrepreneurship (3)

Concentration Electives -- 6 credit hours
Upper Division Concentration Electives (6)
A list of concentration courses may be found at
https://students.wpcarey.asu.edu/sites/default/files/entrepreneurship_and_innovation_cert_information_2017_1.pd
It is the student's responsibility to check the prerequisites required by courses in their discipline.
Concentration electives will be designated and approved by individual disciplinary colleges.

Approved Certificate Elective -- 3 credit hours
Upper Division Approved Certificate Elective (3)
A list of approved certificate electives may be found at
https://students.wpcarey.asu.edu/sites/default/files/entrepreneurship_and_innovation_cert_information_2017_1.pdf

## Prerequisite Information

ENT 340 Creativity and Innovation has prerequisite requirements of Business or Entrepreneurship \& Innovation Certificate students: min 2.5 GPA, 40 hours, pre- or corequisite: ENT 305. Non-business students: min 2.50 GPA, 40 hours, pre- or corequisite: MGT 290 or ENT 290 or ENT 305.
ENT 360 Entrepreneurship and Value Creation has prerequisite requirements of Business undergraduate students with ACC 241 or 242 with C or better OR Engineering junior OR non-Business junior with minimum 2.50 cumulative GPA.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

The certificate in entrepreneurship and innovation is available to all ASU students in good standing except those majoring in business entrepreneurship, management (entrepreneurship), and technology entrepreneurship and management. The certificate application can be accessed and submitted through Advising SOS: https://wpcarey.asu.edu/SOS (https://wpcarey.asu.edu/SOS).

No more than 6 credit hours may be shared between certificate and other degree programs, minors, and/or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a
nondegree-seeking graduate student.

## Contact Information:

Business, W. P. Carey School of
Department of Management and Entrepreneurship
https://wpcarey.asu.edu/undergraduate-degrees/entrepreneurship-innovation-certificate
BA 323
wpcareymgt@asu.edu
480-965-3431

## Environmental Education Certificate (TEEVEDCERT)

Campus: Polytechnic, Tempe, West

## Description:

The Mary Lou Fulton Teachers College certificate in environmental education is for traditional and nontraditional educators and is designed to establish standards for professional excellence in environmental education. Environmental education is taught in traditional classrooms and as community programs such as those at nature centers, museums, parks and zoos. The coursework required in the certificate increases the environmental literacy of future educators, fosters community leadership strategies and provides practice in environmental education teaching methods. Students who complete the certificate are eligible to apply for the environmental education certificate recognized by the North American Association for Environmental Education.

## Program Requirements:

This certificate requires 15 credit hours; 12 of which must be upper-division. A "C" or better is required in all upper-division course work.

Required Core Course Options -- 9 credit hours
SCN 300: Foundations of Environmental Education (3)
SCN 301: Ecology and Natural History of the Sonoran Desert (3)
SCN 302: Environmental Education (L) (3)
SCN 307: Learning from Nature: Biomimicry and STEM (3)
SCN 308: Urban Environmental Education (3)

Elective Course Options -- 6 credit hours
Any Core Certificate Course not taken above may be used to satisfy Electives.
EED 309: Environmental Education Project , Flying Wild, Globe, Outdoor Explorers Guide to Geology , Project Wet , Project Wild, Project Wild Aquatic (1)
SCN 205: Introduction to Tropical Ecology: A Cultural Exchange (3)
SCN 303: Environmental Education Internship (1-2)
SCN 304: Sonoran Desert Flora (3)
SCN 305: Tropical Ecology: A Cultural Exchange (3)
SCN 400: Sustainability Science for Teachers (3)
Notes: *Teacher certification students will take SCN 400.
SCN 401: Sustainability Science, Technology, and Society (3)
SCN 494: Humanitarian Project for Educators (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
http://education.asu.edu/
ED 120
education@asu.edu
480-965-5555

## Environmental Humanities Certificate (LAENHCERT)

Campus: Tempe

## Description:

The environmental humanities certificate offers students who are interested in humanities-based approaches to the current global environmental crisis an option to focus in this vital area of study. Courses are focused wholly or in large part on the human relationship to the environment and the relationship between nature and culture. To gain practical experience, certificate students also complete a required English internship in environmental activism, policy development, education or another pertinent area.

ASU's Department of English has an extensive internship program, offering placements in publishing, media and marketing, government, nonprofits and film festivals. The department also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

## Program Requirements:

The environmental humanities certificate consists of 24 hours, of which at least six must be upper-division courses offered by the Department of English in the College of Liberal Arts and Sciences.

Core Required Courses (choose three) -- 9 credit hours
ENG 334: The American Southwest in Literature and Film ((L or HU) \& C) (3)
ENG 359: Indigenous American Literature ((L or HU) \& C) (3)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C) (3)
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)
ENG 370: Science, Values, and the Public (3)
ENG 371: Rhetoric of the Environmental Movement (3)
ENG 378: Environmental Creative Nonfiction (L or HU) (3)
ENG 468: Environmental Literary Criticism (L or HU) (3)
ENG 469: Science and Literature (L or HU) (3)

Internship Requirement -- 3 credit hours
ENG 484: Environmental Humanities Certificate (3)

Elective Courses (choose four) -- 12 credit hours
AFR 320: Africa: Politics, Environment, and Development (3)
ASB 326: Human Impacts on Ancient Environments (SB \& H) (3)
ASB 370: Ethics of Eating (L or SB) (3)
BIO 300: Natural History of Arizona (SG) (3)
BIO 311: Biology and Society (3)
BIO 324 / PHI 310: Environmental Ethics (HU) (3)
GPH 210: Society and Environment (G) (3)
HST 342: U.S. West 20th Century (SB \& H) (3)
HST 345: Environmental History (L) (3)
JUS 332: Politics of Energy Policy and Justice (3)
JUS 444: Environment and Justice (L \& C) (3)
PSY 306: Environmental Psychology (SB) (3)
SGS 330: Globalization and the Environment: Problems and Solutions (3)
SOS 110: Sustainable World (SB) (3)
SOS 320: Society and Sustainability (L or SB) (3)
SOC 331: Environmental Sociology (SB \& G) (3)
SOS 370: Ethics of Eating (L or SB) (3)
Other courses may be used by approval of an academic advisor in the Department of English.
Students must complete both BIO 300 and BIO 301 to secure SG general studies credit.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For more information about the environmental humanities certificate, students should contact an advisor in the Department of English.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/admission/undergraduate-admission/environmental-humanities-certificate
RBH 170
englishadvising@asu.edu
480-965-3168

## Environmental Humanities Certificate (LSENHCERT)

Campus: Polytechnic

## Description:

The environmental humanities certificate program offers students who are interested in humanities-based approaches to the current global environmental crisis an option to focus on this vital area of study. Students take courses and electives from selected programs that are focused on the human relationship to the environment and the relationship between nature and culture.

## Program Requirements:

This certificate is comprised of 24 credit hours.

Core Courses -- 12 credit hours
Pick four ENG courses from the list below, with a minimum of at least one 400-level course:*
ENG 334: The American Southwest in Literature and Film ((L or HU) \& C) (3)
ENG 359: Indigenous American Literature ((L or HU) \& C) (3)
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)
ENG 371: Rhetoric of the Environmental Movement (3)
ENG 378: Environmental Creative Nonfiction (L or HU) (3)
ENG 468: Environmental Literary Criticism (L or HU) (3)
ENG 469: Science and Literature (L or HU) (3)
*Note: Other ENG courses may be approved by CISA advisors depending on special- or variable-topics courses available in given semesters.

Elective Courses -- 12 credit hours
Four elective courses (12)
Complete four additional courses (see advisor for approved list). Some courses are limited to students majoring in the discipline, have prerequisites or cannot be taken in combination with another course on the list. Additional courses may be approved by the College of Integrative Sciences and Arts English advisor depending on special- or variable-topics courses available in given semesters.

## Requirements:

1. A minimum of 12 upper-division hours are required.
2. Six hours must be taken from the College of Integrative Sciences and Arts at ASU.
3. A grade of " C " (2.00) or higher is required in all courses taken for the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

The environmental humanities certificate is available to all ASU undergraduate students. Students should see an advisor for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu

## Ethics Certificate (LAETHCERT)

Campus: Tempe

## Description:

The ethics certificate is designed to give students a richer understanding of systematic philosophical thinking about ethics. Students with majors in business, nursing, journalism and public administration, as well as students planning to pursue legal careers, among others may well find that training in ethics is beneficial to their career goals. The certificate program permits some flexibility regarding course selection, thereby facilitating particular student interests.

## Program Requirements:

The certificate in ethics consists of 18 credit hours approved by an undergraduate advisor in the School of Historical, Philosophical and Religious Studies. All courses must be passed with a minimum grade of " C " ( 2.00 on a 4.00 scale). At least 12 credit hours must be upper-division. At least six upper-division hours must be in courses offered by the College of Liberal Arts and Sciences.

Core Course (choose one) -- 3 credit hours
PHI 335: History of Ethics (HU) (3)
PHI 337: Ethical Theory (HU) (3)
PHI 338: Metaethics (3)

Electives (choose five of the following) -- 15 credit hours
PHI 105: Intro to Ethics (HU) (3)
PHI 120: Introduction to Medical and Bioethics (HU) (3)
PHI 304: Existentialism (HU) (3)
PHI 306: Applied Ethics (HU) (3)
PHI 307: Philosophy of Law (HU) (3)
PHI 310: Environmental Ethics (HU) (3)
PHI 320: Bioethics (HU) (3)
PHI 324: Existential Ethics (HU) (3)
PHI 326: Philosophy of Happiness (HU) (3)
PHI 335: History of Ethics (HU) (3)
PHI 336: Social and Political Philosophy (HU) (3)
PHI 337: Ethical Theory (HU) (3)
PHI 338: Metaethics (3)
PHI 347: Philosophical Theories of Constitutional Law (3)
PHI 360: Business and Professional Ethics (HU) (3)
PHI 405: Moral Psychology (3)
PHI 406: Moral Dilemmas (L or HU) (3)
PHI 408: Feminist Ethics (HU) (3)
PHI 409: Eco-Community Ethics (HU) (3)
PHI 420: Disaster Ethics (3)
PHI 420: Ethics in Plato \& Aristotle (3)
PHI 420: Feminist Philosophical Literature (3)
PHI 420: Found-Bioethics (3)
PHI 420: Kantian Ethics (3)
PHI 420: Normative Ethics (3)
PHI 420: Scanlons Political Philosophy (3)
PHI 420: Topics in the Ethics of Sustainability (3)
PHI 448: Justice and Reparations (3)
PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different. Only topics related to ethics will apply to the certificate.

One course outside the list of electives, and perhaps outside the PHI prefix, may be used with written approval of the director of undergraduate studies.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

GPA Requirement: None

Other Enrollment Requirements: None

Students must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies to declare the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/184
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

## Ethnic Studies Certificate (ASETHCERT)

Campus: West

## Description:

The certificate program in ethnic studies, offered by the School of Humanities, Arts and Cultural Studies, explores the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas. The coursework combines topics and methods in the humanities, arts and social sciences to critically analyze racial, ethnic, gender and sexual identities, transnational movements, and diverse forms of cultural, literary and political expression.

The certificate program in ethnic studies prepares students for careers or graduate school in a variety of fields, including business, health care, criminal justice, social services, education, public relations, community development, public policy and government. The certificate in ethnic studies is recommended for graduate students, nondegree students and students majoring in professional programs.

## Program Requirements:

The certificate in ethnic studies consists of 18 credit hours. A minimum of six upper division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Up to three credit hours of individualized instruction may be applied toward the certificate. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. All courses must be passed with a minimum grade of "C" (2.00).

Required Courses -- 6 credit hours
ETH 100: Ethnic and Indigenous Lives (SB \& C) (3)
HRC 200: Introduction to Social and Cultural Analysis (SB \& C) (3)

Electives (chosen from the following) -- 12 credit hours
ENG 420 / IAS 420: Multicultural Autobiographies ((L or HU) \& C) (3)
ENG 460: Ethnic Women Writers or WST 467: Ethnic Women Writers (HU \& C) (3)
ENG 476: Studies in Folklore ((L or HU or SB) \& C) (3)
ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) \& C) (3)
ETH 354: African American Literature: Harlem Renaissance to the Present ((L or HU) \& C) (3)
ETH 450: Latina/os, Schooling and Social Inequality (C) (3)
ETH 499: Individualized Instruction (3)
HST 326: The Global History of the Trans-Atlantic Slave Trade (SB \& H) (3)
HST 418: The Hispanic Southwest (SB) (3)
HST 419: 20th Century Chicano/a History (C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the certificate is added to the student's program of study.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of School of Humanities, Arts, and Cultural Studies https://newcollege.asu.edu/ethnic-studies-certificate
FAB N100
harcsadvising@asu.edu
602-543-3000

## European Union Studies Certificate (LAEUSCERT)

Campus: Tempe

## Description:

This certificate program enables students to develop expertise in the cultures, governments and economies of the EU, making the students valuable to potential employers doing business in the EU. It may serve as a beneficial complement to a bachelor's degree or as a nondegree program for training business professionals and others who wish to enhance their knowledge of European cultures, politics, economics and societies.

## Program Requirements:

## Enrollment Requirements:

Degree-seeking students: ASU students with a minimum 2.00 cumulative GPA (scale is $4.00=$ "A") and sophomore standing or above in any degree program will be eligible for the European Union certificate program.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://clas.asu.edu/node/403
LL 440
silcadvising@asu.edu
480-965-6281

## Family Communication Certificate (ASFAMCCERT)

Campus: West

## Description:

The certificate program in family communication, offered by the School of Social and Behavioral Sciences, focuses on issues affecting communication in the family. This is a valuable certificate for students planning to enter careers or graduate study in fields like psychology, counseling, family studies, social work, medicine or nursing, law, aging, pastoral care, human services, media or communication technology. It complements the current communication program by bringing together an array of courses that have implications for the family unit, such as courses in new media and health. Students also are encouraged to take courses in other disciplines that complement family-related communication courses.

## Program Requirements:

The certificate in family communication consists of 19 credit hours (a minimum of 12 credit hours must be upper division). Six credit hours must come from non-communication coursework. A one credit hour exit portfolio is required and may be taken after a minimum of 12 hours toward the certificate has been completed. Twelve of the 19 credit hours must be ASU courses and six credit hours may be shared with major requirements. Four courses must be selected from at least two content areas listed below. The courses listed are suggested and actual courses should be selected in conjunction with an academic advisor. All courses used to satisfy requirements for the certificate must be passed with a "C" or better.

Required Courses -- 6 credit hours
COM 312: Communication, Conflict, and Negotiation or COM 410: Interpersonal Communication Theory and Research (SB) or COM 417: Communication and Aging (3) COM 411: Communication in the Family (SB) (3)

Content Area Courses -- 12 credit hours

Four courses must be selected from at least two content areas listed below (12 credit hours; minimum 6 upper-division)

Community Application
COM 314: Inner-City Families: The Cycle of Poverty (3)
COM 484: Internship (3)

Health and Family Development
ALD 403 / FAS 403: Aging, Lifespan Development, and the Family (3)
ALD 420: Health Issues and Older Adults (SB) (3)
ALD 431 / FAS 421: Caregiving for Older Adults (3)
CDE 430: Infant/Toddler Development in the Family (SB) (3)
COM 417: Communication and Aging (3)
CRJ 204: Juvenile Justice (3)
FAS 332: Human Sexuality (SB) (3)
FAS 431: Parent-Adolescent Relationships (SB) (3)
FAS 436: Sexuality in Mid-Life and Beyond (3)
PSY 341: Developmental Psychology (SB) (3)
PSY 443: Abnormal Child Psychology (L or SB) (3)
PSY 444: Adolescent Psychology and Psychopathology (3)
SOC 312: Adolescence (SB) (3)

Social and Cultural Elements of the Family
AFR 370: Family, Ethnic and Cultural Diversity (SB \& C) (3)
ASB 346: Marriage and Family Diversity (SB \& C) (3)
COM 316: Gender and Communication (SB \& C) (3)
COM 410: Interpersonal Communication Theory and Research (SB) (3)
FAS 301: Introduction to Parenting (3)
FAS 331: Marriage and Family Relationships (SB) (3)
FAS 370: Family Ethnic and Cultural Diversity (SB \& C) (3)
FAS 435: Advanced Marriage and Family Relationships (L or SB) (3)
SBS 440: Family Studies (3)
SOC 415: The Family (SB) (3)

Technology, Media and the Family
COM 424: Television Studies and Criticism (3)
COM 457: New Media (3)
ENG 244: Introduction to Researching Family History (3)
MCO 473: Sex, Love, and Romance in the Mass Media (SB) (3)

Family Communication Portfolio -- 1 credit hours
COM 498: Family Communication Portfolio (1)
Notes: The communication portfolio is a synthesis of the student's family communication academic experience. The portfolio itself integrates each student's experience with theory and concepts from course work. The portfolio may take a variety of forms, to be negotiated by each student and the instructor. This course is to be taken after a minimum of 12 credit hours toward the certificate have been completed. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

The certificate in family communication is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Social and Behavioral Sciences to ensure the appropriate set of courses is taken and the required paperwork is submitted

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/family-communication-certificate
FAB N100

# Film and Video Studies Certificate (ASVIDCERT) 

## Campus: West

## Description:

The certificate program in film and video studies explores film theory and the practice of the moving image. Through this interdisciplinary program, students have an opportunity to develop their interests, skills and understanding of the forms, channels, technologies and histories of the media arts. Coursework helps students become more astute critics of film and media arts. Students learn about the history of film, television and video arts as well as their place in social, cultural and political expression. This program also helps students strengthen their critical-thinking skills through an analysis of the ongoing philosophical, aesthetic, political and technological debates about film, media and video. Through this program, students will gain valuable skills for future careers or graduate study in areas such as video and film production, film studies, media studies or digital design.

## Program Requirements:

The certificate in film and video studies consists of 18 credit hours, of which 12 credit hours must be upper division. A minimum of six upper division hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students choose a focus in either film studies or media and video studies. The film studies emphasis focuses on the impact of film and video. The media and video studies emphasis is concerned with the rendering of film and video. All courses used to satisfy the requirements for this certificate must be passed with a minimum grade of " C " (2.00) or better.

Core Requirement (choose one course) -- 3 credit hours
IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU) (3)
IAP 201: Introduction to Interdisciplinary Arts (HU) (3)

Foundation Requirement (choose one course) -- 3 credit hours
IAP 101: Art, Artist, and Culture (HU) (3)
IAP 102: Foundations I: Performance Techniques and Composition (3)
IAP 103: Foundations I: Interdisciplinary Digital Media (3)
IAP 104: Foundations I: Fundamentals of Sound Art (3)
IAP 105: Foundations I: Fundamentals of Visual Art (3)

## Emphasis Tracks

Film Studies Emphasis - students will choose six credit hours from the Applied/Practical course list and three credit hours from the Theoretical, Conceptual and Historical course list.
Media and Video Studies Emphasis - students will choose nine credit hours from the Theoretical, Critical, Performance and/or Production course list.

Film Studies Emphasis: Applied/Practical Courses (choose two courses) -- 6 credit hours
COM 429: Semiotics and Visual Communication (3)
IAP 322: Multitrack Digital Recording (3)
IAP 361: Digital Editing and Media Literacy (CS) (3)
IAP 364: Documentaries (3)
IAP 394: Acting for the Camera (3)
IAP 466: Digital Interactivity, Advanced (3)
IAP 467: Acoustic Ecology (3)
IAP 474: Art and Film (L or HU) (3)
Film Studies Emphasis: Theoretical, Conceptual and Historical Courses (choose one course) -- 3 credit hours
ENG 365: History of Film (HU) (3)
IAP 364: Documentaries (3)
IAP 465: Media Technologies and the Arts (3)
IAP 473: Aesthetic Research (L or HU) (3)
Media and Video Studies Emphasis: Theoretical, Critical, Performance and/or Production Courses (choose three courses) -- 9 credit hours
COM 429: Semiotics and Visual Communication (3)
ENG 365: History of Film (HU) (3)
IAP 334: Conceptual Development in the Arts (3)
IAP 361: Digital Editing and Media Literacy (CS) (3)
IAP 363: Sound, Image, and Media (3)
IAP 364: Documentaries (3)
IAP 365: Digital Interactivity (3)
IAP 394: Acting for the Camera (3)

IAP 465: Media Technologies and the Arts (3)
IAP 466: Digital Interactivity, Advanced (3)
IAP 467: Acoustic Ecology (3)
IAP 469: Advanced Audio Production (3)
IAP 473: Aesthetic Research (L or HU) (3)
IAP 474: Art and Film (L or HU) (3)

Capstone -- 3 credit hours
IAP 480: Senior Project (3)
The project should reflect the integration of course work with creative initiative to generate a product that stands alone as a piece of original work.
For the Film Studies Emphasis, the project will focus on an intellectual analysis of some dimension of film products, reception, institutions,
economics, and so forth.
For the Media and Video Studies Emphasis, the project may be intellectual or creative (performance or production) in nature. Projects will be examined and evaluated by at least one faculty member involved in the film and video studies certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

The certificate in film and video studies is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/film-and-video-studies-certificate
FAB N100
harcsadvising@asu.edu
602-543-3000

## Food Industry Management and Marketing Certificate (BAFIMMCERT)

Campus: Polytechnic

## Description:

The certificate program in food industry management and marketing allows business and nonbusiness students the opportunity to acquire specialized business skills, which will provide a competitive advantage for employment with firms and agencies that operate within the global food industry. Upon completion of the program, students will have a deep understanding of the business, economic and market environment of the global food industry, with particular emphasis on food marketing and distribution. The certificate program explores the role that consumers' food choices and purchases play in the allocation of resources throughout the food chain, from farm to retail.

## Program Requirements:

Required Course -- 3 credit hours
AGB 250: Economics of Resource Allocation: Food and Agriculture (3)

Required Marketing Course (choose one) -- 3 credit hours
MKT 300: Marketing and Business Performance (3)
MKT 302: Applied Marketing Management and Leadership (L) (3)
MKT 303: Honors Marketing Theory and Practice (L) (3)
MKT 390: Essentials of Marketing (3)

Electives (choose three courses) -- 9 credit hours
AGB 394: Current Topics in Food Retaili (3)
AGB 414: Food and Agribusiness Policy Issues (L) (3)
AGB 420: Food Advertising and Promotion (3)
AGB 425: Food Supply Networks (3)

AGB 435: Commodity Futures and Options Markets (3)
AGB 440: Food Safety (3)
AGB 445: Food Retailing (3)
AGB 452: Global Food and Agricultural Policy (3)
AGB 454: Global Food and Agribusiness Trade (3)
AGB 456: Food Product Innovation and Development (3)
AGB 481: Strategic Pricing in Food Markets (3)
AGB 494: NAMA Marketing Plan (3)
BUS 424: Sales and Negotiations (3)
BUS 434: Risk Management and Insurance (3)

The program is offered at ASU's Polytechnic campus, but students may choose to take the entire certificate in iCourse format. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students majoring in food industry management are not eligible to pursue this certificate. All other majors can access and submit the certificate application online at Advising SOS: https://wpcarey.asu.edu/SOS (https://wpcarey.asu.edu/SOS).

No more than 6 credit hours may be shared between certificate and other degree programs, minors, and/or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Business, W. P. Carey School of
Morrison School of Agribusiness
https://wpcarey.asu.edu/agribusiness-degrees
SANTN 230F
wpcarey.morrison@asu.edu
480-727-1586

## Food System Sustainability Certificate (SUFSUCERT)

Campus: Tempe

## Description:

Food systems are particularly important for human societies to sustain; however, these systems are particularly vulnerable to multiple threats. Many students from a wide variety of disciplines are interested in food systems, especially as food and sustainability become increasingly relevant issues to employers in fields across the public and private sectors.

This certificate allows ASU students to take advantage of the diversity of courses offered that address challenges to food system sustainability. The certificate encourages students to cover a breadth of topics and perspectives related to food system issues while providing the opportunity to focus on particular skills and approaches suitable for their career paths. Career paths can range from agriculture to marketing and retail to policy or ethics. This certificate offers an innovative and exciting approach to the challenges of food system sustainability. Due to the transdisciplinary nature of the certificate, many courses may be found across all four ASU campuses, allowing students to choose both the focus area and location of study that best fits their needs.

The knowledge, competencies and skills students will have upon completion of this certificate include the ability to identify food system drivers, activities, actors and outcomes at different spatial scales and the capacity to assess the primary social, economic and environmental drivers and outcomes associated with food system sustainability challenges.

Students will also acquire the ability to apply one or more of the following analytical skills or approaches to the development of food system sustainability solutions: cultural and social analysis, alternative agricultural design and practice, analysis of biophysical processes and environmental services, urban planning and policy, marketing and entrepreneurial development, sustainability assessment, and consumer preference and behavior.

## Program Requirements:

The certificate in Food System Sustainability consists of 15 credit hours, at least 12 of which must be upper-division.
A GPA of 2.50 or higher is required in all courses completed for the certificate.

Required Course -- 3 credit hours
SOS 117: Food System Sustainability (3)

Elective Courses -- 12 credit hours
Students must choose four electives. A minimum of two courses must be selected from tier 1 core electives and no more than two courses from the same prefix across both tiers 1 and 2 should be selected.

Tier 1 - Core Electives (choose at least two)
ABS 460: Organic Gardening AND FIS 394: The Future of Food (3)
AGB 302: International Management and Agribusiness (G) (3)
AGB 414: Food and Agribusiness Policy Issues (L) (3)
AGB 456: Food Product Innovation and Development (3)
ASB 300: Food and Culture ((L or SB) \& C) (3)
ASB 463: Political Ecology of the Border (SB \& G) (3)
BIO 429: Human Impacts on Ecosystem Functioning (3)
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)
GPH 314: Global Change (HU \& G) (3)
HON 394: History and Evolution of Food (3)
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)
PLB 302: Plants and Civilization (3)
PUP 498: Urban Food Systems (3)
SOS 327: Sustainable Food and Farms (3)

Tier 2 - Electives
ABS 464: Desert Horticulture (3)
ABS 368: Plant Propagation (3)
ABS 460: Organic Gardening AND FIS 394: The Future of Food (3)
AGB 302: International Management and Agribusiness (G) (3)
AGB 321: Agribusiness Marketing (3)
AGB 414: Food and Agribusiness Policy Issues (L) (3)
AGB 420: Food Advertising and Promotion (3)
AGB 452: Global Food and Agricultural Policy (3)
AGB 456: Food Product Innovation and Development (3)
ASB 300: Food and Culture ((L or SB) \& C) (3)
ASB 305: Poverty and Global Health ((L or SB) \& G) (3)
ASB 463 / TCL 443: Political Ecology of the Border (SB \& G) (3)
ASB 464 / TCL 444: The Ethnography of Mexico and the Borderlands (SB \& G) (3)
BIO 311: Biology and Society (3)
BIO 324: Environmental Ethics (HU) (3)
BIO 418: Soil Ecology (3)
BIO 434: People and Nature: Ecosystem Services (3)
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)
GPH 314: Global Change (HU \& G) (3)
HON 394: The History and Evolution of Human Food (1)
ITA 394: Food and Culture: Mediterranean Lifestyle in Italy (3)
NTR 348: Cultural Aspects of Food (SB \& C \& G) (3)
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability (3)
NTR 448: Community Nutrition (L) (3)
PLB 302: Plants and Civilization (3)
PUP 498: Urban Food Systems (3)
SOS 309 / HST 308 / PHI 322: History and Philosophy of Sustainability (3)
SOS 322: International Development and Sustainability (3)
SOS 327: Sustainable Food and Farms (3)
SOS 370 / ASB 370 / SOC 370 / SSH 370: Ethics of Eating (L or SB) (3)
SOS 374 / GLG 327: Earth's Critical Zone (3)
SOS 429 / BIO 429: Human Impacts on Ecosystem Functioning (3)
SOS 456: Human Rights and Sustainability ((L or SB) \& G) (3)
SOS 498: Sustainable Neighborhoods for Happiness (L) (3)
TCL 394: Health Policy in a Transborder Context (3)

Electives are not limited to courses from this list only. Other courses on food systems may be offered (special topics, etc.). Students may request to have those approved as an elective for this certificate by submitting a School of Sustainability petition:
https://students.asu.edu/College_Standards_Petitions

Students must earn a grade of " C " or better in all courses for the certificate.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students wishing to declare a certificate in food system sustainability should make an appointment with a School of Sustainability advisor.

Advising is by appointment only, and students must schedule an advising appointment through this website:
https://webapp4.asu.edu/advsched/?acad_org=CSS (https://webapp4.asu.edu/advsched/?acad_org=CSS)

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-and-programs/certificates/
WGHL 108
sosadvising@asu.edu
480-727-6963

## Games and Impact Certificate (TEGIMCERT)

Campus: Tempe

## Description:

The certificate program in games and impact is intended for undergraduates with a desire to become change agents in their current and future areas of interest, study and training. The certificate provides a solid grounding in the theory, design and use of games as tools for effecting change in education, health and social justice, among other fields. For this reason, it is appropriate for students in a wide range of majors, including students interested in design and programming.

Students study the ethics of design and its consequences, both intended and unintended; how games can lead to social change by improving understanding of complex global systems; and, transforming conflict and building skills in problem recognition and creative solution design. Certificate students work on real games, alongside experts and clients, and learn how to design, test and evaluate their impact in real-world environments.

## Program Requirements:

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/undergraduate-minors-and-certificates
ED 118
educationadvising@asu.edu
480-965-5555

## Geographic Information Science Certificate (LAGISCERT)

Campus: Tempe

## Description:

Georgaphic information science takes computer science to a new level, specializing in technology that puts companies like Google on the forefront
of innovation and navigating the globe. Our GIS undergraduate certificate program pairs the practical skill of computer science with conceptual knowledge of geographical problem solving and spatial thinking.

## Program Requirements:

The certificate requires 20 credit hours with a grade of "C" ( 2.00 on a 4.00 scale) or higher. At least 12 of the 20 credit hours must be upper-division courses.

Geographic Information Science Core -- 11 credit hours
GIS 205: Geographic Information Science I (CS) (3)
GIS 211: Geographic Information Science II (CS) (4)
GIS 311: Geographic Information Science III (CS) (4)

Upper Division GIS Elective Courses -- 6 credit hours
GIS Upper Division Elective (6)

Upper Division Related Coursework -- 3 credit hours
GCU OR GIS OR GPH OR PUP OR CEE OR CSE OR EEE OR EGR OR FSE OR IEE Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/undergraduate-minors-and-certificates/geographic-information-science
COOR 5671
geoplan.advising@asu.edu
480-965-7533

## Hazardous Materials and Waste Management Certificate (TSETMCERT)

Campus: Polytechnic

## Description:

The certificate program in hazardous materials and waste management is designed to provide current and prospective employees of industry and government with a comprehensive and practical curriculum of study in hazardous materials management. The certificate program features instruction by faculty, attorneys and professionals who work in the specific area in which they teach.

## Program Requirements:

The certificate requires 21 hours. Students must complete seven selected courses (four required and three electives) and earn a grade of "C" (2.00 on a scale of 4.00) or higher to receive the certificate.

Core Courses -- 12 credit hours
ERM 203: Environmental Regulations (3)
ERM 401: Hazardous Waste Management (3)
ERM 406: Environmental Chemistry (3)
ERM 407: Occupational Hygiene (3)

Elective Courses -- 9 credit hours
ERM 3** Elective or ERM 4** Elective (9)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

The certificate in hazardous materials and waste management is available to all ASU students in good standing except those pursuing the BS in environmental and resource management.

To add the certificate in hazardous materials and waste management, a student must hold, at minimum, junior status and have at least a cumulative GPA of 2.00 .

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For U.S. Department of Education Gainful Employment Program Disclosure information, see
https://catalog.asu.edu/files/disclosures/TSETMCERT/Gedt.html (https://catalog.asu.edu/files/disclosures/TSETMCERT/Gedt.html).

## Contact Information:

Engineering, Ira A. Fulton Schools of
Environmental and Resource Management
https://poly.engineering.asu.edu/erm/
WANER 230
polyadvising@asu.edu
480-727-1874

## Health Care Policy and Delivery Certificate (NHHCPDCERT)

Campus: Downtown Phoenix

## Description:

The School for the Science of Health Care Delivery offers a certificate which reflects the school's role as a connection between the businesses of medicine and clinical practice. This certificate program in health care policy and delivery focuses on the business of medicine --- including policy, administration and leadership. Students have the option of selecting an internship course, enhancing their application of core concepts. Students with an interest in health and health care are afforded the opportunity to broaden and expand their competitiveness for employment and postgraduate degree programs.

## Program Requirements:

Required Courses -- 15 credit hours
HCD 302: Health Care Management (3)
HCD 330: Health Care Systems in the U.S. (3)
HCD 401: Leadership and Professionalism (3)
HCD 402: Health Economics (3)
HCD 403: Process Engineering (3)

Elective -- 3 credit hours
HCD 404: Advanced Concepts in the Science of Health Care Delivery (3)
HCD 422: Health Disparities and Access to Health (3)
HCD 484: Internship (3)
PAF 311: Leadership and Change (SB) (3)
PAF 460: Public Service Ethics (3)

In order to complete the certificate, students must complete either ECN 211, ECN 212 or PBH 201.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Students must have a minimum 2.00 GPA in order to add the certificate, and students must earn a minimum grade of 'C' in all courses for the certificate.

## Contact Information:

Health Solutions, College of
School for the Science of Health Care Delivery
https://chs.asu.edu/programs/undergraduate
HLTHS 444AA
chs@asu.edu
602-496-3300

## Health Education Specialist Certificate (NHHEDSCERT)

Campus: Downtown Phoenix

## Description:

The health education specialist certificate program provides students a pathway to become a certified health education specialist. This nationally and globally recognized credential is based on the Seven Areas of Responsibility, which include competencies and subcompetencies that define the role of the health education specialist, as outlined by the National Commission for Health Education Credentialing. Earning the health education specialist credential showcases competency-based skills and provides professionals a competitive edge, as more employers prefer certified applicants. Students pursuing or holding a bachelor's degree or graduate-level degree will gain foundational knowledge in the field of public health education and health promotion, including program planning, implementation, evaluation and management, and other certified health education specialist competencies. Students will learn about specific health education strategies for effectively delivering community and school-based health education interventions.

## Program Requirements:

Required courses -- 24 credit hours
EXW 102: Principles and Foundations of Health Education and Health Promotion (3)
EXW 340: Health Behavior Theory (3)
EXW 348: Methods of Health Education (3)
EXW 452: Health Advocacy in Health Education (3)
EXW 454: Health Promotion Program Planning and Implementation (3)
EXW 456: Health Promotion Program Evaluation (3)
EXW 466: Health Promotion Program Management and Administration (3)
EXW 476: Community Health (3)

Certificate Elective -- 1 credit hours
EXW 321: Consumer Health (1)
EXW 331: Violence Prevention (1)
EXW 341: Health Education Methods for Injury Prevention (1)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Students must earn a minimum grade of " C " (2.00) in all courses in the certificate.
In order to receive the certificate, students must complete their bachelor's degree at ASU along with all certificate requirements.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/health-education-specialist
HLTHS 444AA
healthpromotion@asu.edu
602-496-3300
Health Science for the Peace Corps Certificate (NHHSPCCERT)

## Description:

The certificate program in health science for the Peace Corps is designed to give students who plan to apply for the Peace Corps a background in the foundational areas of health care: cultural and social determinants of health, public and community health, U.S. and global health systems, and changing health behaviors. Students who complete the certificate program will be prepared to provide transdisciplinary perspectives on global health needs.

## Program Requirements:

The certificate requires a minimum of 18 credit hours, of which at least 12 credit hours must be upper division credits. Courses taken as part of a university major may count toward both the degree and the certificate. A grade of $C$ or better must be earned for all courses in the certificate.

HCD 210: Cultural Aspects of Health (C) (3)
HCD 303: Global Health Care Systems (G) (3)
HCD 330: Health Care Systems in the U.S. (3)
HSC 340: Changing Health Behaviors (3)
IBC 420: Population Health Management (3)
PBH 100: Introduction to Public Health (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

An application to the certificate program is required.

## Contact Information:

Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/programs/undergraduate
HLTHS 444AA
chs@asu.edu
602-496-3300

## Health and Wellness Coach Certificate (NHHWCCERT)

Campus: Downtown Phoenix, West

## Description:

The program brings together coursework from the disciplines of exercise and wellness, nutrition, and health sciences in order to give students a strong background, perspective and real-life experience in behavioral change and coaching techniques and methods.

Students experience evidence-based behavior change methodologies and practice coaching communication skills and strategies to influence sustainable healthy lifestyles. They learn to guide groups and individuals through meaningful lifestyle changes by using concepts that emphasize evidence-based coaching and behavioral practices as well as motivational interviewing techniques. Students work with clients using learned health coaching techniques, and they develop the knowledge and skills to work with people who require lifestyle management strategies to improve wellbeing. Faculty consistently monitor and mentor coaching sessions to provide evaluation and feedback on how students may improve their coaching skills, and a final practical skills evaluation is completed to assess a student's coaching abilities. Coaching skills are addressed synchronously over telephone, in person, or via Skype or some other video platform.

Students who complete this certificate program will be eligible for the National Board Certification for Health and Wellness Coaches offered by International Consortium for Health \& Wellness Coaches http://www.ichwc.org (http://www.ichwc.org).

## Program Requirements:

Students must earn a grade of " C " or better in all courses used in the certificate.

Required Courses -- 15 credit hours

EXW 325: Fitness for Life (3)
HSC 340: Changing Health Behaviors or EXW 342: Health Behavior Change or NTR 350: Nutrition Counseling (3)
HSC 440: Health Coaching Concepts and Skills (3)
HSC 441: Applied Health Coaching Techniques (3)
NTR 241: Human Nutrition (3)

Elective Course -- 3 credit hours
EXW 303: Human Sexuality for Health Education (3)
EXW 312: HIV/AIDS Prevention (1)
EXW 321: Consumer Health (1)
EXW 331: Violence Prevention (1)
EXW 341: Health Education Methods for Injury Prevention (1)
EXW 344: Physical Activity in Health and Disease (3)
EXW 350: Substance Abuse and Addictive Behavior (3)
EXW 351: Substance Abuse Prevention (1)
EXW 361: Social Media and Marketing in Health Education (1)
EXW 371: Conflict Management and Mediation (1)
EXW 380: Body Image and Wellness (3)
EXW 400: Stress Management for Wellness (3)
EXW 443: Emotional Health and Interpersonal Relationships (3)
HCD 340: Complementary Health Care (3)
HCR 303: Assessing Needs, Assets and Capacity for Health Education (3)
HCR 342: Mind-Body and Energy Therapies and Modalities (3)
NTR 345: Development of Healthy Cuisines (3)
NTR 348: Cultural Aspects of Food (SB \& C \& G) (3)
NTR 360: Entrepreneurship and Value Creation (3)
NTR 450: Nutrition in the Life Cycle (SB) (3)
NTR 457: Sports Nutrition (3)
PSY 304: Effective Thinking (L) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/health-sciences-healthy-lifestyles-coaching
HLTHN 444A
chs@asu.edu
602-496-3300

## History and Philosophy of Science Certificate (LAHPSCERT)

Campus: Tempe

## Description:

The School of Life Sciences offers an undergraduate certificate in the history and philosophy of science. This program is designed to give students an understanding of both traditional philosophical issues surrounding science and the historical development of concrete scientific theories and ideas.

Philosophical questions about how we understand nature through science and how scientific claims gain authority are enriched when they are considered in a historical context. Such philosophical and historical study also often includes the examination of contemporary sciences and their place within the larger society, including the study of bioethics, policy and law.

This certificate is a valuable addition for students in the sciences or the humanities. It crosses disciplines to help students engage in unfamiliar and familiar paths of inquiry in new and interesting ways.

## Program Requirements:

The certificate requires 18 credit hours from the HPS and PHI prefixes. At least 12 credit hours must be completed at the upper-division level and all courses counting toward the certificate must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or higher.

Required Course -- 3 credit hours
PHI 314: Philosophy of Science (HU) (3)

Elective Courses (choose five from the following) -- 15 credit hours
At least nine credit hours must be taken in upper-division HPS courses. Any upper-division HPS course may be used toward the certificate.
PHI 328: History of Ancient Philosophy (HU \& H) (https://webapp4.asu.edu/catalog/courselist?s=HPS\&l=upperdivision\&t=2187\&hon=F" > HPS
Upper Division Elective (9)
PHI 329: History of Modern Philosophy (HU \& H) (3)
PHI 330: Theory of Knowledge (HU) (3)
PHI 403: Contemporary Analytic Philosophy (HU) (3)

Other elective options may be applied with the approval of an academic advisor in the School of Life Sciences.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For more information, students should contact the School of Life Sciences.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu/
LSA 189
sols.advising@asu.edu
480-727-6277

## Homeland Security Certificate (PPHSLCERT)

Campus: Downtown Phoenix, Online

## Description:

The 21 credit hour homeland security certificate will provide students with the skills and credentials necessary to prepare them to enter fields specializing in homeland security. Students will receive extended education in topics such as domestic and international terrorism, cyber terrorism and advanced crime courses.

## Program Requirements:

Required Courses -- 15 credit hours
CRJ 100: Introduction to Criminal Justice (SB) (3)
CRJ 201: Criminal Justice Crime Control Policies and Practices (3)
CRJ 412: International Terrorism (3)
CRJ 417: Cyber Terrorism (3)
CRJ 419: Domestic Terrorism (3)

Elective Courses (choose two) -- 6 credit hours
CRJ 350: Law and Social Control (SB) (3)
CRJ 422: Violence in America (3)
CRJ 455: Police and International Terrorism (3)
CRJ 456: Etiology of Martyrdom (3)
CRJ 462: Gangs (3)
CRJ 463: White Collar Crime (3)
CRJ 464: Organized Crime (3)
CRJ 494: Media Crime and Criminal Justice (3)

A grade of "C" (2.00 on a 4.00 scale) or better is required for all upper-division course work.
Bachelor of Science in Criminology and Criminal Justice majors who are also pursuing the Homeland Security certificate may not use CRJ 412 : International Terrorism, CRJ 417: Cyber Terrorism, and CRJ 419: Domestic Terrorism toward both their major and the certificate. These three courses will only be used toward the certificate requirements.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

There are no additional admission requirements other than those required for admission to ASU. Students should meet with an academic advisor from the School of Criminology and Criminal Justice to formally add the certificate to your degree plan.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/certificates/undergraduate-certificate-homeland-security?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

## Contact Information:

Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
SCCJAdvising@asu.edu
602-496-2356

## Honors Business Consulting Certificate (BAECNUERT)

Campus: Tempe

## Description:

This certificate is designed to enhance a student's knowledge in a major while also adding to the understanding of business strategy in a global market. The required curriculum strengthens skills in business judgment, conceptualization of strategic solutions, critical thinking and problemsolving.

## Program Requirements:

The Honors Business Consulting Certificate consists of 15 credit hours of ASU coursework. A minimum grade of B must be achieved in each course.

Honors Business Core (select two courses) -- 6 credit hours
ECN 303: Honors Managerial Economics (3)
FIN 303: Honors Finance (3)
MGT 303: Honors Organizational Strategies, Leadership, and Behavior (3)
MKT 303: Honors Marketing Theory and Practice (L) (3)
SCM 303: Honors Global Supply Operations (3)

Business Modeling and Analysis Coursework -- 9 credit hours
WPC 494: Consulting in Business (3)
WPC 494: Consulting Projects or WPC 493: Honors Thesis (L) (3)
WPC 494: Modeling Tools in Consulting (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

The certificate is limited to honors students in the W. P. Carey School of Business. Students must submit an application for admission during the spring semester of their sophomore year. The certificate application is accessed and submitted through Advising SOS:
https://wpcarey.asu.edu/SOS (https://wpcarey.asu.edu/SOS).

Students should contact the department for more information.

No more than 6 credit hours may be shared between certificate and other degree programs, minors, and/or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Business, W. P. Carey School of
Department of Economics
https://wpcarey.asu.edu/undergraduate-degrees/honors-business-consulting-certificate
MCRD 102
wpcacademy@asu.edu
480-965-8710

## Human Rights Certificate (LAHRTSCERT)

Campus: Tempe

## Description:

The certificate program provides students with historical, legal and philosophical perspectives from which to think broadly and critically about human rights issues. Coursework will prepare students to design solutions to dilemmas in areas such as:

- child welfare
- economic development
- education
- environment
- health
- indigenous rights
- labor rights
- violence against women
- water and energy resources


## Program Requirements:

Students must complete 18 credit hours of qualifying course work, at least 12 credit hours of which must be must be upper-division. At least 12 credit hours must be completed at ASU. Each course must be completed with a minimum grade of "C" ( 2.00 on a 4.00 scale) or better.

## Required Certificate Core Courses

Global Politics of Human Rights (select one course) -- 3 credit hours
JUS 352: The Global Politics of Human Rights (3)
POS 368: Ethics and Human Rights (3)
POS 480: Global Justice (G) (3)

Human Rights Institutions and Organizations (select one course) -- 3 credit hours
JUS 355: Human Rights Organizations and Institutions (3)
LAW 709: International Human Rights (2)
Notes: Barrett Honor Students only.
POS 465: International Organization and Law (SB \& G) (3)
SGS 321: International Institutions and Global Governance (3)

Interdisciplinary Component -- 9 credit hours
Students select three electives on current issues in human rights. Courses must be taken from at least two of the substantive areas listed below and from two or more academic units. Other course options may be approved by an academic advisor in the School of Social Transformation.

Marginalization and Human Rights
AFR 301 / JUS 300: Race and Racism in Africa/African Diaspora (SB \& G) (3)
AFR 420 / JUS 421: Race Ethnicity and Politics in the African Diaspora (SB \& G) (3)
AIS 455: Human Rights and Cultural Resource Laws (3)
APA 330 / WST 331: Asian Pacific American Genders and Sexualities ((L or SB) \& C) (3)

HST 369 / HST 369: History and Memory of the Holocaust (3)
JUS 430: Social Protest, Conflict, and Change ((L or SB) \& C) (3)
JUS 438: Human Differences: Dilemmas of Justice ((L or HU) \& C) (3)
JUS 456: Human Rights and Sustainability ((L or SB) \& G) (3)
JUS 468: Protest, Justice, Law and the Media (SB) (3)
SGS 343 / REL 379: Religion, Nationalism, and Ethnic Conflict (HU \& G) (3)
WST 313: Women and Sexuality (SB \& C) (3)
WST 345: Gender, Religion, and Global Violence (SB \& G) (3)
WST 378: Global Feminist Theory (L \& G) (3)

Social Stratification and Human Rights
AFR 304: Islands of Globalization: Caribbean Politics and Political Economy (SB \& G \& H) (3)
AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB \& H) (3)
AFR 470: Women's International Human Rights (3)
APA 350 / JUS 365: Inequality and Diversity in Education (L \& C) (3)
JUS 321: Wealth Distribution and Poverty (SB \& C) (3)
JUS 325: Globalization and Socio-Economic Justice (SB \& G) (3)
JUS 405: Inequality, Economy and Justice ((L or SB) \& G) (3)
JUS 477: Youth and Justice (L or SB) (3)
POS 471: Constitutional Law I (SB) (3)
WST 365: Women and International Health (G) (3)

States and Conflict
HST 370: Eastern Europe in Transition (SB \& G \& H) (3)
HST 436: The Soviet Experiment (SB \& G \& H) (3)
JUS 374: The Holocaust, Genocide, and Human Rights (3)
JUS 430: Social Protest, Conflict, and Change ((L or SB) \& C) (3)
JUS 467: Terrorism, War, and Justice (SB) (3)
JUS 469: Political Deviance and the Law ((L or SB) \& C) (3)
LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU \& G) (3)
PHI 448: Justice and Reparations (3)
POS 305: Politics and Film (SB) (3)
REL 388: Religion, Ethics, and International Politics (3)
SGS 340: Violence, Conflict and Human Rights (3)
SGS 341: Humanitarian Crisis and International Intervention (3)
SPA 472: Latin American Society: Five Case Studies (HU \& H \& G) (3)

Experiential Learning Component -- 3 credit hours
To better connect classroom learning with practical experience, students will be required to participate in either a for-credit internship with a human rights organization in the U.S. or abroad, or a Research Experience for Undergraduates (REU) under faculty supervision (honors thesis may substitute). A written component to the internship or REU is required.
JUS 484: Internship or JUS 498: Research Apprenticeship (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

In order to declare a certificate in human rights, student must have a minimum of 30 earned credit hours and must first meet with an academic advisor.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/human-rights
WILSN 125
SSTadvising@asu.edu
480-965-7682

## Informatics Certificate (ESCPICERT)

Campus: Tempe

## Description:

The certificate program in informatics teaches students to use computer technology to gather, synthesize, store, visualize and interpret information.
These skills are critical to a broad range of disciplines. This program provides students with an understanding of the capabilities and technologies of informatics as it applies to domain-specific problems in their field of study.

Students completing this program are able to understand and use methods for the basic computational principles behind the operation of:

- communication, networking and interaction
- decision making and problem solving
- modeling, inference and visualization
- representing, creating and running routine activities
- storing, indexing and retrieving information

Graduates should be in high demand within the software industry, but also in government, education, science, medicine and other fields that make use of computer technology. Students with the applied and user-oriented focus of the certificate will be attractive to such employers.

## Program Requirements:

This program requires 21 credit hours of course work. Students will take 15 credit hours of required courses and will select six credit hours of elective course work. The certificate requires at least 12 credit hours of upper-division course work.

Required Courses -- 15 credit hours
CPI 101: Introduction to Informatics (CS) (3)
CPI 200: Mathematical Foundations of Informatics (MA) (3)
CPI 220: Applied Data Structures and Algorithms (3)
CPI 350: Evaluation of Informatics Systems (3)
IEE 380: Probability and Statistics for Engineering Problem Solving (CS) or STP 420: Introductory Applied Statistics (CS) (3)

Elective Courses -- 6 credit hours
ART 435: Foundry Research Methods (3)
BIO 355: Introduction to Computational Molecular Biology (CS) (3)
CIS 300: Web Design and Development (3)
CPI 310: Web-Based Information Management Systems (3)
CPI 360: Decision Making and Problem Solving (3)
CPI 460: Intelligent Interactive Instructional Systems (3)
CPI 494: Special Topics (3)
ENG 374: Technical Editing (3)
SOC 334: Technology and Society (L or SB) (3)
STS 306: Social Effects of Science and Technology (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

The undergraduate certificate in informatics is available to all students who are in good standing at ASU and may be used by interdisciplinary studies BA students as part of their degree program. Students need to submit an undergraduate certificate form to the School of Computing, Informatics and Decision Systems Engineering Academic Advising Center located in Centerpoint, room 105. This form is available on the registrar's website. Interdisciplinary studies students need to contact their advisor to add the informatics concentration to their degree program.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Engineering, Ira A. Fulton Schools of
Computing and Informatics Program
https://cidse.engineering.asu.edu/forstudent/undergraduate/certificates/informatics/
Academic Catalog Archive 2018-2019

# Innovation for Impact Certificate (FIIFICERT) 

Campus: Tempe

## Description:

This certificate program will enable students to cultivate the knowledge, skills and critical dispositions necessary to leverage the power of innovation to achieve personally meaningful and socially significant impact. It is grounded in the belief that each of us can do great things. This program will provide tools and concepts to synthesize research from courses across disciplines in social sciences, humanities, natural sciences and engineering --- from across the university as well as across the globe. Students will identify a problematic condition or aspirational future and work with peers, mentors and the community to produce innovations that cultivate a better future for society.

## Program Requirements:

FIS 201: Innovation in Society (H) (3)
FIS 305: Ways of Knowing (L) (3)
FIS 307: Navigating Futures (SB) (3)
FIS 371: Innovation for Impact: Impact Journey (1)
FIS 372: Innovation for Impact: Inquiry Journey (1)
FIS 373: Innovation for Impact: Innovation Journey (1)
FIS 481: Innovation for Impact: Application Journey (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Any student admitted to study at ASU may complete a certificate. To apply to the university, students should complete the Admission Services online application. Students should contact the School for Innovation in Society for more information about completing the certificate program.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Future of Innovation in Society, School for the School for the Future of Innovation in Society
https://sfis.asu.edu
INTDSB 256
sfisadvising@asu.edu
480-727-8787

## Integrated Behavioral Health Certificate (NHIBHCERT)

## Campus: Downtown Phoenix

## Description:

The undergraduate certificate in integrated behavioral health is designed to prepare students to pursue careers in fields within health care in order to facilitate mental and physical health behavior change. The certificate program focuses on theories, evidence-based practice and health care outcomes that support the effective delivery of behavioral health integration in order to achieve the Triple Aim as stated by the Institute for Healthcare Improvement, which includes:

- improved cost of care
- improved patient experience of care
- improved population health management


## Program Requirements:

Required courses -- 12 credit hours
HSC 340: Changing Health Behaviors (3)
IBC 410: Behavioral and Mental Disorders (3)

IBC 425: Cognitive and Behavioral Counseling (3)
IBC 430: Medical Pathophysiology, Terminology and Behavioral Health (3)

Elective Course (choose one) -- 3 credit hours
IBC 415: Behavioral Health Over the Lifespan (3)
IBC 420: Population Health Management (3)

A minimum grade of ' $C$ ' is required for all courses in the certificate.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students in most majors may pursue a certificate in order to supplement and specialize their education further. A student wishing to pursue the integrated behavioral health certificate should consult their academic advisor to ensure that the appropriate set of courses is taken. They should also consult with the academic advisor to determine if the certificate is appropriate given their identified major.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Health Solutions, College of
College of Health Solutions
https://chs.asu.edu/programs/integrated-behavioral-health
HLTHS 444AA
chs@asu.edu
602-496-3300

## Interdisciplinary Health Humanities Certificate (LAIHHUCERT)

Campus: Tempe

## Description:

The certificate program in interdisciplinary health humanities brings humanities methodologies to analyses of health and medicine in order to address challenges in health policy and health care practice, and to advance understandings of the cultural formations of health, illness and the body. The curriculum includes courses in areas such as history of medicine, bioethics, disability studies, socio-cultural aspects of health, and narrative medicine, including critical analyses of representations of health and illness in literature and other media, as well as training in narrative and structural competency for health care professionals. An internship or applied project also offers experiential or project-based learning in this field.

## Program Requirements:

The interdisciplinary health humanities certificate requires a total of 15 credit hours. A minimum of 12 upper-division credit hours is required, with at least nine of these taken in classes offered by the College of Liberal Arts and Sciences for students on the Tempe campus or the School of Humanities, Arts and Cultural Studies in the New College of Interdisciplinary Arts and Sciences on the West campus.
All courses must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or higher.

Required Core Course -- 3 credit hours
ENG 203: Introduction to Health Humanities (3)
Notes: available on the Tempe and West campuses

Elective Courses (select three) -- 9 credit hours
AFR 380: Health Issues in the African American Community (3)
AFR 383: Blacks in Science, Medicine and Public Health (3)
ASB 301: Global History of Health (SB \& G \& H) (3)
ASB 305 / SSH 305 / WST 305: Poverty and Global Health ((L or SB) \& G) (3)
ASB 353 / SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G) (3)
ASB 355: Traditional Medicine and Healing (HU or SB) (3)
BIO 312 / IAS 340 / PHI 320: Bioethics (HU) (3)
BIO 315 / ENG 370: Science, Values, and the Public (3)
CHI 335: History of Chinese Medicine (HU \& H \& G) (3)
ENG 469: Science and Literature (L or HU) (3)

FIS 498: Stem Cell Policy Research (3)
FOR 406 / IAS 406 / PHI 406: Moral Dilemmas (L or HU) (3)
HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing (3)
HPS 314 / PHI 314: Philosophy of Science (HU) (3)
HPS 331 / BIO 318: History of Medicine (HU \& H) (3)
LSC 363: Genes, Race, Gender, and Society (L) (3)
MED 300: Historical and Contemporary Issues in Health (L) (3)
PHI 306: Applied Ethics (HU) (3)
REL 381: Religion and Moral Issues (L or HU) (3)
SOC 400: Perspectives on Aging (SB) (3)
SOC 448: Epidemics and Society (SB \& G) (3)
TCL 323: Latino Health Issues (SB \& C) (4)
TCL 410: Race, Medicine, and the Body (L) (3)
WST 444: Gender, Health, and Bodies (SB) (3)

Capstone Experience (select one) -- 3 credit hours
ENG 484: Interdisciplinary Health Humanities (3)
ENG 499: Individualized Instruction (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.
Some elective courses may be available only on the Tempe campus or the West campus.

## Enrollment Requirements:

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu
LL 542
englishadvising@asu.edu
480-965-3168
International Business Certificate (BAIBSCERT)
Campus: Tempe

## Description:

Students can expand their horizons and opportunities by learning about the global economy. The certificate program is designed to:

- develop competence in a foreign language
- develop sensitivity to foreign cultures
- provide an awareness of global social processes
- provide an understanding of international business environments, principles and operations

The W. P. Carey School of Business has partnerships with universities all over the world, so students can experience new cultures, visit new places and build intercultural and language skills. International internships also are offered in conjunction with the ASU Study Abroad Office.

## Program Requirements:

This certificate program requires a minimum of 18 credit hours (at least 12 credit hours must be upper division).

All business course work must be completed through the W. P. Carey School of Business or through an approved ASU international study program.

Only courses in which a student receives a grade of "C" (2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements, and an overall certificate GPA of at least 2.50 must be earned

Students must meet all course prerequisites and requirements as listed in the ASU catalog. Requirements must be met within one year after degree conferral date.

International Business Core Course -- 3 credit hours
MGT 302: Principles of International Business (G) or ECN 306: Survey of International Economics (SB \& G) (3)
A. International Business Electives -- 6 credit hours

ECN 331: Economics of the European Economic Union (SB \& G) (3)
ECN 335: South Asia and the World Economy (SB \& G) (3)
ECN 360: Economic Development (SB \& G) (3)
ECN 365: Economics of Russia and Eastern Europe (SB \& G) (3)
ECN 436: International Trade Theory (SB \& G) (3)
ECN 438: International Monetary Economics (SB \& G) (3)
FIN 456: International Financial Management (G) (3)
MGT 400: Cross-Cultural Management (C \& G) (3)
MKT 425: Global Marketing Management (G) (3)
MGT 459: International Management (G) (3)
MGT 425: Global Human Resources (3)
SCM 463: Global Supply Chain Management (G) (3)
*300+ level WPC-prefixed courses earned on a sponsored ASU Study Abroad program may be applied toward the IBC elective area, per approval of the international programs coordinator. Courses applied toward the W. P. Carey business core cannot be used toward the IBC elective area.
B. Nonbusiness Global Awareness Course Work -- 9 credit hours

Nonbusiness Global Awareness Course Work (\#trackgroup) (9)
Notes: These hours may be satisfied by any combination of the following:

1. Students can choose any of the university-designated nonbusiness global awareness (" G ") courses.
2. One course must be upper-division to meet the 12 upper-division hours requirement.
3. Recommended: It is recommended to choose courses related to the area of study abroad experience. Additional courses may be approved by the international program coordinator.
4. Nonbusiness global awareness hours may also be satisfied by:

* An ASU or W. P. Carey School of Business education abroad program earning six credit hours or more fulfills six of the credit hours of nonbusiness global requirements.
* An ASU or W. P. Carey School of Business education abroad program earning three credit hours fulfills three of the credit hours of nonbusiness global requirements.


## C. Foreign Language Proficiency

Completion of one year (two semesters) of the same foreign language at the college level.
Completion of one semester of the equivalent of 101- and 102-level course work.
Completion of two years of the same foreign language in high school with a minimum grade of " C " ( 2.00 on a 4.00 scale).
Documentation of a proficiency test confirming preparedness to start at least the second year of a foreign language ( 201 level or above).
A student whose native language is not English may have this requirement waived.
D. International Study Experience

The certificate program requires students to participate in an ASU Study Abroad Office sponsored program. Students cannot use independent nonsponsored programs to fulfill this requirement. Sponsored programs can be found on the Study Abroad Office website at https://mystudyabroad.asu.edu/.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

The certificate application is accessed and submitted through Advising SOS: https://wpcarey.asu.edu/SOS (https://wpcarey.asu.edu/SOS). Students should contact the department for more information.

No more than 6 credit hours may be shared between certificate and other degree programs, minors, and/or other certificates.

For disclosure information on the U.S. Department of Education Gainful Employment Program, students should see https://catalog.asu.edu/files/disclosures/BAIBSCERT/Gedt.html (https://catalog.asu.edu/files/disclosures/BAIBSCERT/Gedt.html).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees/international-business-certificate
BA 160
wpcglobalprograms@asu.edu
4809654227

## International Cinema Certificate (LAICINCERT)

Campus: Tempe

## Description:

The power of international cinema lies in its ability to underscore national differences and engage diverse viewpoints.

The certificate program in international cinema provides undergraduates with the means to explore and understand the role that international film plays in highlighting cultural diversity, reflecting the sociocultural, political and economic currents of the period and cultural setting depicted and calling into question an accepted idea of the dominance of Hollywood film.

The certificate provides an integrated pathway through the variety of international film courses already offered in the School of International Letters and Cultures. It explores facets of international film history and production often not covered by American programs in film studies and allows students majoring in a second language the opportunity to explore a particular culture's filmic heritage and avenues for comparative analysis between the filmic heritage of two or more cultures. Students majoring in other areas can encounter visual narratives different from their own and connect international cinema to their own respective experiences.

## Program Requirements:

The certificate requires 18 credit hours of upper-division course work. Each course must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Core Course -- 3 credit hours
SLC 340: Approaches to International Cinema (3)

Elective Courses (choose five from the following) -- 15 credit hours
CHI 345: Chinese Film and Civilization (3)
FMP 404: World Cinema (G) (3)
FMS 426: Films of India (3)
FMS 427: Identity and World Film (3)
FMS 430: Artists in Film: Artists' Biopics (3)
FMS 441: Global Cinema (HU \& G) (3)
GER 445: The Holocaust in German-Mediated Memory (3)
GER 446: Weimar-Era German Film (3)
GER 455: Multi-Kulti: Multiculturalism Through Film (G) (3)
HEB 349: Israeli Wars in Israeli Movies (HU \& G) (3)
ITA 420: Italian Cinema (L \& G) (3)
KOR 347: Korean Film and Literature (HU) (3)
RUS 424: Tolstoy and War and Peace in Russian Literature and Cinema (L or HU) (3)
SLC 450: Experimental Narrative (3)
SPA 475: Latin American Film ((L or HU) \& G) (3)
THE 422: Latina and Latino Theatre and Film (HU \& C) (3)
Additional upper-division elective courses may be approved by the coordinator of the certificate program.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

ASU students in sophomore standing or above, with at least a 2.50 GPA in any degree program will be eligible for the international cinema certificate program. Admission to the certificate program will be approved by the certificate coordinator in consultation with advisors.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/international-cinema
LL 440
silcadvising@asu.edu
480-965-6281

## International Studies Certificate (LAINSCERT)

Campus: Tempe

## Description:

The international studies certificate is designed to prepare students for careers in government agencies, international governmental and nongovernmental organizations, multinational firms and banks, and for graduate studies in international relations or political science. The certificate is not a substitute for degree requirements in any subject, including political science; rather, the required courses add an international and comparative dimension to the student's chosen major.

## Program Requirements:

The certificate in international studies is comprised of 15 credit hours in political science and global studies. At least 12 credit hours must be in upper-division course work and at least 6 of those credit hours must be from courses offered by the College of Liberal Arts and Sciences. A grade of "C" ( 2.00 on a 4.00 scale) or better is required for all courses used toward the certificate.

Required Core Courses -- 6 credit hours
POS 150: Comparative Government (SB \& G) or POS 160: Global Politics (SB \& G) (3)
POS 361: American Foreign Policy (SB \& G) or POS 364: National Security, Intelligence, and Terrorism (SB) (3)

Choose two courses -- 6 credit hours
POS 300: Contemporary Global Controversies (SB \& G) (3)
POS 352: European Democracies (3)
POS 368: Ethics and Human Rights (3)
POS 465: International Organization and Law (SB \& G) (3)
POS 467: International Security (SB \& G) (3)
POS 486: International Political Economy (SB \& G) (3)
SGS 301: Principles of Global Studies (3)
SGS 303: Global Trends (SB) (3)

Choose one course -- 3 credit hours
POS 350: Comparative Politics (SB \& G) (3)
POS 351: Democratization (SB \& G) (3)
POS 353: Comparative Politics of the Middle East (3)
POS 356: European Union (SB \& G) (3)
POS 357: South Asia Politics (SB \& G) (3)
POS 358: Southeast Asia (SB \& G) (3)
POS 359: African Politics and Society (SB \& G) (3)
POS 360: World Politics (SB \& G) (3)
POS 452: China (SB \& G) (3)
POS 453: Latin America (SB \& G) (3)
POS 454: Mexico (SB \& G) (3)
POS 468: Comparative Asian Foreign Policies (SB \& G) (3)
SGS 360: Cultural Aspects of Globalization (3)

Only one of POS 160 Global Politics and POS 360 World Politics may apply to the certificate.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students should contact the School of Politics and Global Studies for more information about completing the international studies certificate.
prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://pgs.clas.asu.edu/
COOR 6797
spgs@asu.edu
480-965-8563

## Islamic Studies Certificate (LAISLCERT)

Campus: Tempe

## Description:

The certificate in Islamic studies allows students to gain an appreciation of Islam's multiculturalism and contemporary relevance in multiple geographic settings. The program is designed to prepare students for graduate programs in religious studies, Islamic studies and area studies and for any academic discipline or career (such as international law and business) that focuses on global Muslim society.

## Program Requirements:

The certificate in Islamic studies requires a minimum of 26 credit hours. At least 12 upper-division hours are required. At least six upper-division hours must be in courses offered by the College of Liberal Arts and Sciences. A minimum grade of " C " ( 2.00 on a 4.00 scale) is required in each course used toward the certificate.

Core -- 9 credit hours
REL 260: Introduction to Islam (HU \& G) (3)
REL 365: Islamic Civilization (HU \& H) (3)
REL 366: Islam in the Modern World (HU \& G) (3)

Language Requirement -- 8 credit hours
Student will take either two semesters (eight credit hours) of Arabic or two semesters (10 credit hours) of Indonesian.
ARB 101: Elementary Arabic I (4)
ARB 102: Elementary Arabic II (4)
IDN 101: Elementary Indonesian I (5)
IDN 102: Elementary Indonesian II (5)
Students who are native speakers of these languages or other Islamic languages, such as Farsi, or who have other equivalent knowledge may substitute eight credit hours of additional course work selected from the list of approved electives.

## Elective Courses -- 9 credit hours

Students must choose electives that represent at least two of three geographic regions. The available geographic regions are Africa and the Middle East, America and Europe, and Asia. No more than one course from the "non-geographic" list may apply toward the certificate. It is recommended that students work with an academic advisor in the School of Historical, Philosophical and Religious Studies to select appropriate elective courses.

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Africa and the Middle East
AFR 340: The Making of Modern Africa (SB \& G \& H) (3)
ARB 331: Arabic/Islamic Culture and Literature (HU \& H \& G) (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 337: Hadith and Prophetic Tradition (3)
ARB 341: Quran Text and Women (HU \& H) (3)
ARB 351: Classical Arabic Literature (3)
ARB 352: Modern Arabic Literature in Translation (3)
ASB 366: African Archaeology: Precolonial Urban Culture (SB \& H) (3)
FRE 471: The Literature of Francophone Africa and the Caribbean (HU) (3)
GCU 328: Geography of Middle East and North Africa (SB \& G) (3)
HST 307: Studies in African History (H) (3)
HST 372: Modern Middle East (SB \& G \& H) (3)
POS 353: Comparative Politics of the Middle East (3)
REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)
REL 369: Women in Islam (3)
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REL 461 / AFR 480 / SGS 442: Different Voices Within Contemporary Islamic Discourse (3)

FRE 471: The Literature of Francophone Africa and the Caribbean (HU) (3)
GCU 426: Geography of Russia and Surroundings (SB \& G) (3)
REL 310: Western Religious Traditions (HU \& H) (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 377: Religion in Russia (HU \& H) (3)
SPA 425: Foundational Texts of Spain (HU) (3)
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) \& G) (3)

Asia
ASB 325: Peoples of Southeast Asia (G) (3)
GCU 326: Geography of Asia (SB \& G) (3)
GCU 433: Geography of Southeast Asia (3)
HST 106: Asian Civilizations ((HU or SB) \& G \& H) (3)
HST 107: Asian Civilizations (SB \& G \& H) (3)
HST 111 / REL 111: Introduction to Asia (HU \& H \& G) (3)
HST 240 / ASB 240 / GCU 240 / POS 240 / REL 240 / SGS 240: Introduction to Southeast Asia ((HU or SB) \& G) (3)
HST 245 / POS 245 / REL 245 / SGS 245 / SLC 245: Introduction to South Asia (HU \& H \& G) (3)
HST 391: Modern Southeast Asia (SB \& G \& H) (3)
HST 392: Modern India (3)
REL 347: Peace and Conflict in India ((L or HU) \& G) (3)
REL 348: Religion and Culture in Southeast Asia (3)
REL 364: Islam in Eurasia and Central Asia (3)

Non-geographic
ARB 336: Introduction to the Qur'an (3)
HST 302: Gender and Sexuality in Islam ((HU or SB) \& G \& H) (3)
HST 302: Women, War and Peace ((HU or SB) \& G \& H) (3)
REL 205: Life, Sex and Death (HU) (3)
REL 363 / AFR 373: Islam and World Affairs (G) (3)
REL 378: Religion, War and Peace (L) (3)
REL 379: Religion, Nationalism, and Ethnic Conflict (HU \& G) (3)
REL 380: Theology of Terror (3)
REL 460: Studies in Islamic Religion (HU \& G) (3)
REL 480: Religion and Global Politics (L \& G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students wishing to add the certificate in Islamic studies to their plan of study must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies. Students who complete all the requirements of their undergraduate major, their college and the certificate program receive the certificate plus transcript recognition of its completion.

There are no specific admission requirements other than a student's desire to learn about Islam and Islamic societies and culture.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch https://shprs.clas.asu.edu/content/islamic-studies COOR 3307
SHPRSadvising@asu.edu
480-965-8364

## Jewish Studies Certificate (LAJUDCERT)

Campus: Tempe

The Jewish studies certificate program examines the history and culture of the Jews, generates and facilitates research on Judaica, and provides a model for transdisciplinary teaching and research. The program provides the community with programs, courses and research to further the understanding of Judaica and stands as an example of the university's commitment to a program of meaningful ethnic studies on a firm academic base.

## Program Requirements:

The certificate in Jewish studies requires a minimum of 21 credit hours in approved course work. At least 12 upper-division hours are required. At least six upper-division hours must be in courses offered by the College of Liberal Arts and Sciences. A minimum grade of "C" (2.00 on a 4.00 scale) is required in each course used toward the certificate.

Language Requirement -- 6 credit hours
Students must complete two semesters of the same language (6-8 credit hours).
HEB 101 AND HEB 102: Elementary Modern Hebrew (G) (8)
HEB 131: Biblical Hebrew I AND HEB 132: Biblical Hebrew II (6)
ARB 101: Elementary Arabic I AND ARB 102: Elementary Arabic II (8)
GER 101 AND GER 102: Elementary German (G) (8)
SPA 101 AND SPA 102: Elementary Spanish (8)

Thematic Track Electives (choose three courses) -- 9 credit hours
Students choose one course in three of five thematic tracks. Available tracks include history, humanities, literature, religious studies and social studies. At least six credit hours must be upper-division course work. (9)

History
HEB 375: Contemporary Culture of Israel (HU \& G) (3)
HST 304: Jews and Christians in the Middle Ages (SB \& H) (3)
HST 358: Jewish History from Antiquity to 1492 (SB \& H) (3)
HST 359: Jewish History from 1492 to 1948 (SB \& G \& H) (3)
HST 372: Modern Middle East (SB \& G \& H) (3)
HST 436: The Soviet Experiment (SB \& G \& H) (3)
JST 210 / REL 210: Introduction to Judaism (HU \& H) (3)
JST 211 / HST 211 / REL 211: Jews and Judaism in America (SB \& H) (3)
JST 230 / HST 230 / REL 230: Introduction to Jewish Civilization (HU \& H \& G) (3)
JST 304: Studies in European History (SB \& H) (3)
JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)
JST 315 / REL 315: Hebrew Bible (Old Testament) ((L or HU) \& H) (3)
JST 347 / HEB 347 / SLC 347: Modern Israeli Literature in Translation (HU \& G) (3)
JST 369 / HST 369 / REL 312: History and Memory of the Holocaust (3)
JST 396 / REL 396: Women in the Bible (3)
JST 491: History of Antisemitism (3)
REL 386: America and the Holocaust (HU or SB) (3)
REL 410: Judaism in Modern Times (HU \& H) (3)

Humanities
ENG 356: The Bible as Literature (HU) (3)
HEB 349: Israeli Wars in Israeli Movies (HU \& G) (3)
HST 357 / PHI 391 / REL 391: Historical Perspectives on Philosophy and Religion (3)
JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)
JST 315 / REL 315: Hebrew Bible (Old Testament) ((L or HU) \& H) (3)
JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)
JST 318 / REL 318 / SOC 375: Contemporary American Jewish Identities ((HU or SB) \& C) (3)
JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU \& G) (3)
JST 373 / WST 372 / REL 373: Women in Judaism (3)
JST 445 / FMS 445 / GER 445 / SLC 445: The Holocaust in German-Mediated Memory (3)
JST 496: Biblical Narratives: Literary Approaches (3)
REL 313 / FMS 313: Anti-Semitism in the Media (3)
REL 410: Judaism in Modern Times (HU \& H) (3)
REL 486 / FMS 486: Holocaust on Film (3)

Literature
ENG 356: The Bible as Literature (HU) (3)
JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)
JST 347 / HEB 347 / SLC 347: Modern Israeli Literature in Translation (HU \& G) (3)
JST 411 / HEB 411 / REL 411: Judaism and the Beginnings of Christianity (3)

Religious Studies
JST 210 / REL 210: Introduction to Judaism (HU \& H) (3)
JST 314 / HST 390 / PHI 390 / REL 314: Jewish Philosophy (3)
JST 316 / ENG 316 / HEB 316 / REL 316: Literary Readings of the Hebrew Bible (L or HU) (3)
JST 317 / REL 317: Introduction to Rabbinic Judaism (HU \& H) (3)
JST 318 / REL 318 / SOC 375: Contemporary American Jewish Identities ((HU or SB) \& C) (3)
JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU \& G) (3)
JST 369 / HST 369 / REL 312: History and Memory of the Holocaust (3)
JST 373 / REL 373 / WST 372: Women in Judaism (3)
JST 384 / REL 384: The Bible and Archaeological Discoveries (3)
JST 396 / REL 396: Women in the Bible (3)
JST 491: History of Antisemitism (3)
JST 495: Judaism, Science and World Religions (3)
JST 496: Biblical Narratives: Literary Approaches (3)
REL 207: Ritual, Symbol, and Myth (L or HU) (3)
REL 310: Western Religious Traditions (HU \& H) (3)
REL 313 / FMS 313: Anti-Semitism in the Media (3)
REL 385: Contemporary Western Religious Thought (HU) (3)
REL 486 / FMS 486: Holocaust on Film (3)

Social Studies
HST 358: Jewish History from Antiquity to 1492 (SB \& H) (3)
HST 359: Jewish History from 1492 to 1948 (SB \& G \& H) (3)
HST 372: Modern Middle East (SB \& G \& H) (3)
JST 211 / HST 211 / REL 211: Jews and Judaism in America (SB \& H) (3)
JST 318 / REL 318 / SOC 375: Contemporary American Jewish Identities ((HU or SB) \& C) (3)
JST 348 / HEB 348 / REL 311 / SLC 348: Israeli Society and Culture (HU \& G) (3)
JUS 374: The Holocaust, Genocide, and Human Rights (3)
JUS 452: Justice Issues in Israel and Palestine: The Political is Personal (3)
STS 364: Science, Technology, and National Security (SB) (3)

Upper-Division Electives -- 6 credit hours
Students choose upper-division electives from any of the thematic track course lists (the electives may be from any combination of thematic tracks).

Upper Division Certificate Electives (6)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

GPA Requirement: None

Majors Ineligible to Add This Certificate: BA in Jewish studies

Other Enrollment Requirements: None

Students wishing to pursue the certificate in Jewish studies must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies and make a formal declaration of intent through the submission of the certificate in Jewish studies application.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of Historical, Philosophical \& Religious Studies, Sch https://shprs.clas.asu.edu/node/187
COOR 3307
SHPRSadvising@asu.edu

## Korean Studies Certificate (LAKORCERT)

Campus: Tempe

## Description:

The certificate in Korean studies aims to train and produce students who are linguistically capable and culturally informed. The program consists of two major components. The first is to build students' Korean language proficiency in the areas of speaking, listening, reading and writing. The second is to offer students a broad range of knowledge of the culture, literature, history, art and religions of Korea. The certificate allows students to focus on Korean studies.

The program will enrich students' perspectives on different cultures and societies at the intellectual level and also equip them with practical knowledge of Korea that will benefit careers in various professions, including academia, government work, international trade, nongovernmental organizations and translation.

## Program Requirements:

The certificate in Korean studies requires a minimum of 22 credit hours, at least 12 of which must be completed at the upper-division level. Each course must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or higher.

Required Courses -- 22 credit hours
Students must choose one two-course sequence, either KOR 101 and KOR 102 or KOR 201 and KOR 202, for a total of 10 credit hours. Course substitutions may be permitted for heritage speakers and other advanced speakers of the Korean language based on their proficiency level as determined by the Korean Placement Test.
KOR 101: First-Year Korean I (5)
KOR 102: First-Year Korean II (5)
KOR 201: Second-Year Korean I (G) (5)
KOR 202: Second-Year Korean II (G) (5)
KOR 321: Modern Korean Literature (3)
KOR 347: Korean Film and Literature (HU) (3)
KOR 350: Women of Korea (H) (3)
KOR 354: Religions of Korea (HU) (3)

Additional courses may be approved in consultation with an academic advisor in the School of International Letters and Cultures or the coordinator of the certificate. The completion of the requirements will be reviewed both by the students' designated advisors and the coordinator of the program. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

ASU students admitted to a degree program in any field of study are eligible for the Korean studies certificate program. Students should contact the School of International Letters and Cultures for more information about completing the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/korean-studies
LL 440
silcadvising@asu.edu
480-965-6281

## Latin American Studies Certificate (LALASCERT)

Campus: Tempe

## Description:

The Latin American studies certificate program is designed to give students an understanding of the culture, economies, political structures and history of Latin American nations. The program combines six courses across disciplinary boundaries to provide a diverse perspective of the Latin

American experience. The Department of Economics, the School of Geographical Sciences and Urban Planning, the School of Historical, Philosophical and Religious Studies, the School of Politics and Global Studies, the School of Human Evolution and Social Change, the School of International Letters and Cultures (Spanish and Portuguese) and the School of Transborder Studies offer courses that comprise the transdisciplinary certificate.

## Program Requirements:

The certificate requires a minimum of 18 credit hours of Latin American Studies content course work. At least 12 upper-division credit hours must completed from course work offered by the College of Liberal Arts and Sciences. Each course must be completed with a grade of "C" ( 2.00 on a 4.00 scale) or higher.

Language Requirement
Language instruction courses dealing with Spanish and Portuguese conversation and composition cannot be used to satisfy the content course requirement. While students are encouraged to enroll in language instruction courses (i.e., conversation and composition) above the 313 level, they cannot apply such course work to the Latin American studies certificate course requirements.

Students must demonstrate Spanish or Portuguese proficiency through the 313 level of conversation and composition. The language proficiency requirement may be waived for native speakers or those with in-field experience equivalent to SPA 313 or POR 313.

Latin American Content Course Requirements -- 18 credit hours
Students will take 18 upper-divison credit hours (six courses) from the list of undergraduate Latin American content courses. Students are required to select nine credit hours (three courses) from within their major and nine credit hours (three courses) outside their major.
ARS 362: Pre-Columbian Art I (HU) (3)
ARS 469: Mexican Art (HU) (3)
ASB 322: Peoples of Latin America ((L or SB) \& G) (3)
ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) \& G \& H) (3)
GCU 323: Geography of Latin America (SB \& G) (3)
GCU 424: Geography of Mexico and Middle America (SB \& G) (3)
HST 305: Studies in Latin American History (SB \& H) (3)
HST 331 / TCL 331: Mexican American History to 1900 (SB \& H \& C) (3)
HST 375: Colonial Latin America (SB \& H) (3)
HST 376: Modern Latin America (SB \& H) (3)
HST 378: Latin American Women: The National Period (SB \& G \& H) (3)
HST 443: The United States and Latin America (SB \& G \& H) (3)
HST 445: 20th-Century Cuba (SB \& G \& H) (3)
HST 447: Modern Mexico (SB \& H) (3)
POS 453: Latin America (SB \& G) (3)
POS 454: Mexico (SB \& G) (3)
POR 472: Luso-Brazilian Civilization (HU \& G) (3)
POR 485: International Field Studies (G) (3)
REL 332: South American Indian Religions (HU \& G) (3)
REL 430: Shamans and Mesoamerica (3)
SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)
SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) \& G) (3)
SPA 429: Writing Mexico: Major Texts ((L or HU) \& G) (3)
SPA 454: 19th-Century Spanish American Narrative (3)
SPA 456: 20th-Century Spanish American Fiction (3)
SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) \& C) (3)
SPA 472: Latin American Society: Five Case Studies (HU \& H \& G) (3)
SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) \& G) (3)
SPA 475: Latin American Film ((L or HU) \& G) (3)
TCL 310: Transborder Chicano/a and Latino/a Folklore of Southwest North America (HU \& C) (3)
TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) \& H \& C) (3)
TCL 350: Transborder Mexican and Chicano/a Artistic Production (HU \& C \& G) (3)
TCL 444: The Ethnography of Mexico and the Borderlands (SB \& G) (3)
THE 426: Pre-Columbian Theatre of the Americas (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Any student admitted to study at ASU may complete a certificate program.

For more information, students should contact the School of International Letters and Cultures: https://silc.asu.edu/degrees
(https://silc.asu.edu/degrees)

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://clas.asu.edu/node/407
LL 440
silcadvising@asu.edu
480-965-6281

## Law and Human Behavior Certificate (PPLWHBCERT)

Campus: Downtown Phoenix, Tempe, West

## Description:

"Law and human behavior" is an umbrella term that encompasses various aspects of forensic psychology, law and justice. This rapidly emerging field examines how the justice system intersects with the mental health professions. This 18-credit hour certificate program focuses on the criminal justice aspects of forensic psychology, emphasizing victimology, offender treatment, criminal incapacity, mental health law, juvenile justice and delinquency, and the dynamics of how the criminal justice system intersects with behavioral science. The program is designed to provide students of social services and social sciences with an understanding of important but understudied areas where justice policy is in desperate need of empirical, psychological research.

## Program Requirements:

Required Core -- 12 credit hours
CRJ 260: Substantive Criminal Law (3)
CRJ 410: Procedural Criminal Law (3)
PSY 366: Abnormal Psychology (SB) (3)
PSY 468: Psychology and Law (3)

Electives -- 6 credit hours
Choose at least two courses from outside of one's major:
CRJ 308: Advanced Criminological Theory (3)
CRJ 403: Victims and the Criminal Justice System (3)
CRJ 406: Sex Crimes (3)
CRJ 434: Drugs of Abuse (3)
CRJ 435: Crime and Forensic Mental Health (3)
CRJ 484: Internship (1-6)
Notes: Only those relevant to law and human behavior
CRJ 494: Special Topics (3)
Notes: Only those relevant to law and human behavior
PSY 341: Developmental Psychology (SB) (3)
PSY 368: Forensic Psychology (3)
PSY 443: Abnormal Child Psychology (L or SB) (3)
PSY 472: Clinical Psychology (3)
PSY 474: Correctional Psychology (3)
PSY 494: Special Topics (3)
Notes: Only those relevant to law and human behavior

1. It is the student's responsibility to check the prerequisites required by courses in their discipline.
2. Special Topics courses (CRJ 494 and PSY 494) will be designated and approved by departments and schools. Students will need to work with an advisor in order to select appropriate special topics courses that are approved for credit in the law and human behavior certificate program.
3. At least 12 credit hours must be taken in-residence at ASU.
4. A "C" ( 2.00 on a 4.00 scale) or better is required in all core and elective course work required for the certificate.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Students must complete the following prerequisite courses with a grade of " C " or higher (scale is $4.00=$ " A ") in order to enroll in the certificate program. These courses may be taken in-residence at ASU or may be transferred in from other institutions, including community colleges. Because these courses are requirements for the bachelor's degree program in psychology or criminology and criminal justice, their completion satisfies not only requirements of these two majors, but also the prerequisite requirements for enrollment in the certificate program in law and human behavior.

Completion of the following prerequisite courses with grades of $C$ or higher are required for enrollment in the certificate program:

- CRJ 100 Introduction to Criminal Justice
- PSY 101 Introduction to Psychology
-First-Year Composition (ENG 102, 105 or 107)
- A course which meets the General Studies MA requirement (MAT 117, 119, 142, 170, 210 or 270)

Either one of the following two-course sequence in statistics and research methods:

- CRJ 302 and 303, or
- PSY 230 and 290.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
SCCJAdvising@asu.edu
602-496-2356

## Leadership and Ethics Certificate (PPLDECERT)

## Campus: Downtown Phoenix

## Description:

The certificate in leadership and ethics is designed for undergraduate students who are interested in developing leadership skills or wish to enhance their degree in an existing major at ASU or BA in interdisciplinary students who seek to combine certificates with their degree, and it is also for working adults who may wish to further their education yet may not be looking for a degree program.

The certificate program provides a catalyst for students to become ethical leaders of organizational and community change. This certificate is designed to explore the relationship between leadership and the capacity for individuals to assume responsibility for their actions and to act with a sense of ethics and integrity. It focuses on understanding the broad transdisciplinary field of leadership and its application to various elements of society and community, and it prepares individuals for positions of leadership and responsibility in the university, in student organizations, in their communities and throughout their careers in business, government and society.

## Program Requirements:

The certificate in leadership and ethics requires four core courses (12 credit hours), including a leadership capstone experience, plus one elective discipline-based course in leadership or ethics (3 credit hours). The three credit hours of elective course work may be selected from an approved list of elective classes or upon the recommendation of the department.
All courses applied to the certificate must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or better.

Core Courses -- 12 credit hours
PAF 311: Leadership and Change (SB) (3)
PAF 410: Building Leadership Skills (SB) (3)
PAF 421: Leadership Capstone (3)
PAF 460: Public Service Ethics (3)
discretion of the School of Public Affairs.

Elective Course (choose one) -- 3 credit hours
BUS 497: Honors Colloquium or HON 497: Honors Colloquium (3)
COM 430: Leadership in Group Communication (3)
MGT 300: Organization and Management Leadership (3)
NLM 430: Managing Nonprofit Organizations (L) (3)
PAF 420: Public Leadership (3)
POS 314: The American Presidency (SB) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students are also encouraged to schedule an appointment with the undergraduate academic advisor in the School of Public Affairs.

Current students interested in earning the certificate must complete a request to add an undergraduate certificate and return it to the undergraduate academic advisor in the School of Public Affairs at the University Center on the Downtown Phoenix campus. Students may begin taking courses before they formally register for the certificate; however, they are encouraged to complete the paperwork as soon as possible.

Download the request to add an undergraduate certificate at https://students.asu.edu/forms/undergraduate-certificate (https://students.asu.edu/forms/undergraduate-certificate).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/undergradminors
UCENT 400
spa@asu.edu
602-496-0450

## Leadership in Business Certificate (BALIBCERT)

Campus: Polytechnic, Tempe, West

## Description:

The leadership in business certificate is designed to help students understand the concept of leadership, to cultivate their leadership identity and to understand how the development of their leadership skills will impact their professional development. Through this certificate program, students will develop a strong set of skills necessary for success in a dynamic workplace, skills that include communication, teamwork and collaboration, and problem-solving.

## Program Requirements:

Required Courses -- 6 credit hours
MGT 310: Collaborative Team Skills (3)
MGT 411: Leading Organizations (3)

Leadership Development Electives (minimum 3 upper-division) -- 6 credit hours
COM 225: Public Speaking (L) (3)
COM 259: Communication in Business and the Professions (3)
COM 312: Communication, Conflict, and Negotiation (3)
COM 319: Persuasion and Social Influence (SB) (3)
COM 400: Organizational Communication (HU \& C) (3)
JUS 325: Globalization and Socio-Economic Justice (SB \& G) (3)
MGT 303: Honors Organizational Strategies, Leadership, and Behavior (3)
MGT 400: Cross-Cultural Management (C \& G) (3)
MGT 430: Negotiations (3)
MKT 302: Applied Marketing Management and Leadership (L) (3)

PAF 311: Leadership and Change (SB) (3)
PAF 410: Building Leadership Skills (SB) (3)
PAF 420: Public Leadership (3)
USL 210: Service Learning: Intro to Diverse Community Issues (L \& C) (3)

Cultural Competency Elective -- 3 credit hours
JUS 438: Human Differences: Dilemmas of Justice ((L or HU) \& C) (3)
LES 380: Consumer Perspective of Business Law (3)
MCO 460: Race, Gender, and Media (C) (3)
PHI 336: Social and Political Philosophy (HU) (3)
PHI 360: Business and Professional Ethics (HU) (3)
PHI 406: Moral Dilemmas (L or HU) (3)
REL 366: Islam in the Modern World (HU \& G) (3)
REL 381: Religion and Moral Issues (L or HU) (3)
REL 480: Religion and Global Politics (L \& G) (3)
SBS 301: Cultural Diversity ((L or SB) \& C) (3)
SOC 334: Technology and Society (L or SB) (3)
SOC 339: Grassroots Social Movements (SB) (3)
SOC 342: Mexico-U.S. Borderlands (SB \& C) (3)
SOC 352: Social Change (SB \& G \& H) (3)
SOC 363: Men and Masculinity (SB) (3)
SOC 370: Ethics of Eating (L or SB) (3)
TCL 314: Transborder Latin American Migration to the U.S. ((L or SB) \& H \& C) (3)
TCL 328: U.S. Latino Religion and Culture (HU \& C) (3)
WST 300: Women and Gender in Contemporary Society (SB \& C) (3)
WST 331: Asian Pacific American Genders and Sexualities ((L or SB) \& C) (3)
WST 365: Women and International Health (G) (3)
WST 467: Ethnic Women Writers (HU \& C) (3)
WST 471: Women's International Human Rights (3)
WST 485: Women, Gender, and Leadership (SB \& C) (3)

Complete four co-curricular experiences (all pending approval of the certificate coordinator):

1. Complete an approved internship. This requirement must be completed after approval to add the certificate.
2. Approved leadership position on an executive board with a registered ASU club or organization.
3. Approved leadership role in support of the W. P. Carey School of Business or ASU community:
(WPC 101 Facilitator, WPC Peer Advisor, Camp Carey Director, Leadership Through Action (Tillman Program), USG Position, Community Assistant, Residential Engagement Leader, A.P.P.L.E., Connectors Mentor, other petition-approved activity).
4. ASU-affiliated study abroad program OR 75 hours of service learning or community service.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

This certificate is only open to students in the W. P. Carey School of Business. Students may apply for this certificate once they have completed MGT 310 Collaborative Team Skills (3) and at least one of the co-curricular experiences (excluding the required internship). The certificate application is accessed and submitted online at Advising SOS: https://wpcarey.asu.edu/SOS (https://wpcarey.asu.edu/SOS).

No more than 6 credit hours may be shared between certificate and other degree programs, minors, and/or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Business, W. P. Carey School of
Department of Management and Entrepreneurship
https://wpcarey.asu.edu/undergraduate-degrees/business-leadership-certificate
BA 170
wpcareyug@asu.edu
480-965-4227

## Leadership, Ethics and Service Certificate (PPLETSCERT)

Campus: Downtown Phoenix

## Description:

The leadership, ethics, and service certificate program includes coursework with an emphasis on values, ethics, leadership and public service. In addition to in-class instruction, the program includes a service learning component during the summer and out-of-classroom activities.

## Program Requirements:

Coursework -- 15 credit hours
CRD 435: Service Learning for Community Development (3)
NLM 235: Leadership and Ethics (3)
NLM 410: Social Entrepreneurship (3)
PAF 400: Senior Capstone Project (3)
PAF 410: Building Leadership Skills (SB) (3)

A "C" (2.00 on a 4.00 scale) or better is required in all upper-division course work
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students interested in this certificate should schedule an appointment with the assistant dean for the College of Public Service and Community Solutions by calling (602) 496-0600.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Public Service and Community Solutions, College of
School of Public Affairs
https://publicservice.asu.edu/
UCENT 780
copp@asu.edu
602-496-0600

## Lesbian, Gay, Bisexual and Transgender Certificate (PPLGBTCERT)

Campus: Tempe

## Description:

Lesbians, gay men, bisexuals and transgender people play important roles as colleagues, clients, parents, children, siblings, neighbors, employees, employers, religious leaders and friends. Given the increasing visibility and changing political climate for LGBTQ people in the United States, all students, not only those who identify themselves as gay, lesbian, bisexual or transgender, are served well by learning about the histories, communities and contemporary social issues regarding people from LGBTQ backgrounds.

The educational experience is enhanced when students are introduced to complex intersections between and among sexual, racial, ethnic, religious, geographic and national identities. The philosophy of this certificate program is to promote intellectual and pedagogical diversity as one of the university's greatest assets, and this is done, in part, by instilling in students a sensitivity to cultures different from their own and through careful analysis of the self in historical, artistic and sociocultural contexts.

The goals of the certificate program are to give students:

- knowledge about the history, evolution of and current issues facing the LBGTQ community
- practical experience utilizing coursework knowledge in the community through an internship or community service project
- theoretical perspectives on heterosexuality as a presumptive sexual identity
- an understanding of lesbian, gay, bisexual and transgender studies as an academic area of inquiry
- an understanding of community politics, dynamics and conflicts
- use-inspired education that culminates in a public presentation


## Program Requirements:

The certificate requires 15 credit hours; a minimum of 12 must be upper-division.

Required Course -- 3 credit hours
SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C) (3)

Electives -- 9 credit hours
AFR 375: Race, Gender and Sport (SB \& C) (3)
AFR 394 / JUS 394 / WST 394: Gender and Hip Hop (3)
JUS 394: Sexuality and Social Justice (3)
APA 210: Introduction to Ethnic Studies in the U.S. (C) (3)
APA 330: Asian Pacific American Genders and Sexualities ((L or SB) \& C) (3)
APA 345: Asian Pacific Americans and Film (HU \& C \& H) (3)
ARS 485: Women in the Visual Arts (L) (3)
ASB 210: Human Sexuality: Anthropological Perspectives (SB \& G) (3)
Notes: Only BIS students may use additional lower-division courses
ASB 346: Marriage and Family Diversity (SB \& C) (3)
BIS 350: Diversity and Organizations (L \& C) (3)
Notes: Student must pick LGBT focus for course project and OK w/Cert advisor
BIS 470: Seeking Self and Identity (L or HU) (3)
COM 316: Gender and Communication (SB \& C) (3)
COM 421: Rhetoric of Social Issues (HU) (3)
COM 442: Identity, Performance, and Human Communication (3)
COM 494: Gender in the Media (3)
ENG 345: Transgender and Intersex Literature and Film (3)
ENG 440: Sexuality (HU) (3)
ENG 454: Gender and Literature (L or HU) (3)
FAS 264: Gender and Society (SB \& C) (3)
FAS 332: Human Sexuality (SB) (3)
FAS 498: Transgender Youth and Families (3)
FMS 508: Race and Gender in American Film (3)
HST 364: Sex and Society in Modern Europe ((L or SB) \& H) (3)
JUS 427: Identity and Justice (L) (3)
JUS 435: Cinema and Justice (3)
MIC 314: HIV/AIDS: Science, Behavior, and Society (3)
SST 494: Transformational Leadership and Embodied Activism (3)
SWU 291: Social Service Delivery Systems (3)
SWU 374: Diversity and Oppression in a Social Work Context (C) (3)
SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) (3)
THE 494: Queer Plays and Films (3)
WST 100: Women, Gender, and Society (SB \& C) (3)
Notes: Only BIS students may use additional lower-division courses
Credit is only allowed for WST 100 or 300
WST 294: Sex, Gender, and Sexuality (3)
Notes: Only BIS students may use additional lower-division courses
WST 300: Women and Gender in Contemporary Society (SB \& C) (3)
Notes: Credit is only allowed for WST 100 or 300
WST 313: Women and Sexuality (SB \& C) (3)
WST 335: Lost in Space: Gender, Race, and Sexuality in Science Fiction (3)
WST 380: Race, Gender, and Class (SB \& C) (3)
WST 460: Women and the Body (SB \& C) (3)
WST 470: Gender and Popular Culture (HU \& C) (3)
WST 477: Women and Violence (SB \& C) (3)
Additional elective offerings may be found at: https://cisa.asu.edu/LGBT/checksheets
Capstone -- 3 credit hours
All students will complete a three-credit-hour capstone experience after completing a minimum of nine credit hours in the certificate program. The capstone experience will be supervised by any member of the faculty approved by the Lesbian, Gay, Bisexual, and Transgender Studies Committee.
Capstone Course (3)
Notes: Select capstone course with consultation of LGBT advisor.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Students interested in admission to the certificate program should meet with an LGBTQ certificate academic advisor in the School of Transformaion as soon as possible in order to complete a certificate declaration form and to select courses that most appropriately meet students' individual needs. For more information, students should see: https://cisa.asu.edu/lgbt/ (https://cisa.asu.edu/lgbt/).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts and Sciences, College of
School of Social Tranformation
https://sst.clas.asu.edu/justice-and-social-inquiry
WILSN 125
SSTadvising@asu.edu
480-965-7682

## Medieval and Renaissance Studies Certificate (LAMRSCERT) <br> Campus: Tempe

## Description:

The Arizona Center for Medieval and Renaissance Studies has established a certificate program for undergraduate students interested in medieval and Renaissance studies which reflects the transdisciplinary nature of the field.

The program provides students the opportunity to take classes from several disciplines and to receive training in Latin, the international language of the periods, and other early vernacular languages. Completion of the certificate program prepares undergraduate students for advanced study in their fields.

## Program Requirements:

In addition to the course work and examinations required in a student's major field of study, students must complete a minimum of 18 credit hours to earn the certificate. The certificate requires a thesis. At least 12 credit hours must be upper-division. At least six upper-division credit hours must be in courses offered by the College of Liberal Arts and Sciences. All courses must be completed with a minimum grade of "C" ( 2.00 on a 4.00 scale).

Language Requirement (choose two courses) -- 6 credit hours
Students complete two semesters of Classical Latin or Biblical Hebrew in any combination (6-8 credit hours).
HEB 131: Biblical Hebrew I (3)
HEB 132: Biblical Hebrew II (3)
HEB 231: Biblical Hebrew III (3)
HEB 232: Biblical Hebrew IV (3)
LAT 101: Elementary Latin (4)
LAT 102: Elementary Latin (4)
LAT 201: Intermediate Latin I (HU) (4)
LAT 202: Intermediate Latin II (HU) (4)

Upper-Division Language (choose two courses) -- 6 credit hours
ENG 416: Chaucer in Middle English (HU) (3)
ENG 494: Viking Language and Culture (3)
ITA 430: Italian Literature of the Middle Ages (HU) (3)
ITA 441: Dante: Divina Commedia (L or HU) (3)
ITA 443: Italian Literature of the Renaissance (HU \& H) (3)
LAT 301: Roman Authors (3)
LAT 322: Medieval Latin (3)
LAT 421: Roman Literature (HU) (3)

Electives (choose two courses) -- 6 credit hours
Medieval and Renaissance Studies electives must be chosen from courses outside the student's major discipline.
APH 313: History of Architecture I ((L or HU) \& G \& H) (3)

APH 314: History of Architecture II ((L or HU) \& G \& H) (3)
APH 414: Great Cities ((L or HU) \& H) (3)
ARB 341: Quran Text and Women (HU \& H) (3)
ARB 351: Classical Arabic Literature (3)
ARS 394: Ancient Art and Culture (3)
ARS 394: Art of Italian Renaissance (3)
ARS 414: Monasteries, Madonnas and Manuscripts (HU \& H) (3)
ARS 418: German Renaissance and Reformation Art (HU) (3)
ARS 422: Italian High Renaissance Art and Mannerism (HU) (3)
ARS 494: Art of the Inka and their Ancestors (3)
ASB 326: Human Impacts on Ancient Environments (SB \& H) (3)
CHI 321: Chinese Literature (HU) (3)
ENG 315: Medieval Literature in Translation (HU) (3)
ENG 320: Medievalism in Modern Culture (3)
ENG 320: Vikings,Hobbits\&Ragnarok:Tolkien Medieval Sources (3)
ENG 321: Shakespeare (L or HU) (3)
ENG 326: English Drama 1660-1800 (HU) (3)
ENG 345: Literature and Music (3)
ENG 413: History of English Language (HU) (3)
ENG 415: Studies in Medieval Literature and Culture (HU) (3)
ENG 416: Chaucer in Middle English (HU) (3)
ENG 421: Studies in Shakespeare (L or HU) (3)
ENG 423: Renaissance Drama (L or HU) (3)
ENG 424: Milton (HU) (3)
ENG 476: Folklore \& Oral Traditions ((L or HU or SB) \& C) (3)
ENG 494: Viking Language and Culture (3)
FRE 415: French Civilization I (HU) (3)
GER 315: Germanic Mythology (HU \& G) (3)
GER 415: German Civilization (HU \& H \& G) (3)
GER 421: German Literature Survey, 800-1800 (HU) (3)
GER 441: Fairy Tales (HU \& G) (3)
HPS 322: History of Science (HU \& H) (3)
HST 304: Black Death:Pandemic Disease in the Medieval World (SB \& H), Jews and Christians in the Middle Ages (SB \& H), Renaissance and Reformation (SB \& H), The Age of Machiavelli (SB \& H) (3)
HST 309: Exploration and Empire ((L or HU) \& H) (3)
HST 326: The Global History of the Trans-Atlantic Slave Trade (SB \& H) (3)
HST 349: Early Middle Ages ((HU or SB) \& H) (3)
HST 350: Later Middle Ages ((HU or SB) \& H) (3)
HST 351: Renaissance Europe ((L or HU or SB) \& H) (3)
HST 352: Europe's Reformations ((L or HU or SB) \& H) (3)
HST 358: Jewish History from Antiquity to 1492 (SB \& H) (3)
HST 359: Jewish History from 1492 to 1948 (SB \& G \& H) (3)
HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) \& H) (3)
HST 366: England to 1689 (SB \& H) (3)
HST 375: Colonial Latin America (SB \& H) (3)
HST 387: Japan ((L or SB) \& H) (3)
HST 388: Japan (SB \& G \& H) (3)
HST 406: American Revolution/1763-1789 (SB \& H) (3)
HST 423: The Tudor Monarchy (SB \& H) (3)
HST 424: The Stuart Monarchy (SB \& H) (3)
HST 452 / CHI 452 / SLC 452: Chinese Cultural History II (SB \& G \& H) (3)
ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans (3)
ITA 430: Italian Literature of the Middle Ages (HU) (3)
ITA 441: Dante: Divina Commedia (L or HU) (3)
ITA 443: Italian Literature of the Renaissance (HU \& H) (3)
LAT 301: Roman Authors (3)
LAT 322: Medieval Latin (3)
LAT 421: Roman Literature (HU) (3)
MHL 341: Music History I (HU) (3)
MHL 342: Music History II (HU) (3)
MHL 437: Music in the Baroque Era (3)
REL 365: Islamic Civilization (HU \& H) (3)
REL 382: Magick, Religion and Science (L or HU) (3)
SPA 425: Foundational Texts of Spain (HU) (3)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) (3)
SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) \& G) (3)
THE 320: History of the Theatre I (HU \& H) (3)
THE 321: History of the Theatre II (HU \& H) (3)
THE 322: Theatre History and Culture (HU \& H) (3)
THE 421: Shakespeare: Stage and Film (L or HU) (3)

Thesis
The certificate requires a thesis of approximately 25 pages in length, written within the student's major discipline for an upper-division course on a topic concerning the Middle Ages or Renaissance. The thesis may be used to fulfill the thesis requirement for students enrolled in Barrett, the Honors College. Students may use no more than three credit hours of individualized instruction courses toward the certificate.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

GPA Requirement: None

Any student admitted to a degree program at ASU may complete a certificate program. Students should contact the Arizona Center for Medieval and Renaissance Studies for more information and to complete the online application https://acmrs.org/academic-programs/certificate/undergrad (https://acmrs.org/academic-programs/certificate/undergrad). To schedule an advising appointment, students should visithttps://acmrs.org/academic-programs/certificate/advising (https://acmrs.org/academic-programs/certificate/advising).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://acmrs.org/academic-programs/certificate
COOR 4432
acmrs@asu.edu
480-965-8097

## Modern Hebrew Certificate (LAHEBCERT)

Campus: Tempe

## Description:

The certificate program in modern Hebrew provides students with a firm foundation in modern Hebrew language and a broad knowledge of Israeli culture, leading to advanced skills in reading, writing and conversing in modern Hebrew. The certificate program includes study of the Israeli culture, literature, politics and history. It enriches students' perspectives on the Middle East and offers them deeper understanding of current affairs. Students pursuing careers in foreign policy, international business, tourism, media, translation and in different levels of education will benefit from this certificate program.

## Program Requirements:

The certificate requires 20 credit hours. Each course must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or higher. A minimum of 12 credit hours must be completed at the upper-division level and a minimum of 12 credit hours must be earned at ASU or in an ASU-approved study abroad program.

Required Courses -- 14 credit hours
HEB 201: Intermediate Modern Hebrew (G) (4)
HEB 202: Intermediate Modern Hebrew (G) (4)
HEB 313: Advanced Modern Hebrew (G) (3)
HEB 314: Advanced Modern Hebrew (G) (3)

Electives (choose two courses) -- 6 credit hours
HEB 347 / JST 347 / SLC 347: Modern Israeli Literature in Translation (HU \& G) (3)
HEB 348 / JST 348 / SLC 348: Israeli Society and Culture (HU \& G) (3)
HST 372: Modern Middle East (SB \& G \& H) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

ASU students admitted to a degree program in any field of study will be eligible to enroll in the modern Hebrew certificate program. In order to be admitted to the certificate program, students must complete HEB 101 and 102 Elementary Modern Hebrew, G (4) to satisfy the requirements to enroll in HEB 201 Intermediate Modern Hebrew, G (4).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/modern-hebrew
LL 440
silcadvising@asu.edu
480-965-6281

## Nonprofit Professional Certificate (PPNPYCERT)

Campus: Downtown Phoenix

## Description:

This nationally recognized certificate program awards qualified students from diverse academic fields with the National Certified Nonprofit Professional credential. The CNP is awarded through the Nonprofit Leadership Alliance (formerly American Humanics, Inc.), a consortium of universities, nonprofits and funders that are committed to preparing students for management careers in the nonprofit sector.

The NLA/ASU program provides curricular and cocurricular programs that prepare students through its competency-based, experiential educational framework. The program is ideal for students wishing to complement their majors with a strong core of nonprofit management knowledge and skills through professional affiliation with and certification by the Nonprofit Leadership Alliance, the nation's leader in education for nonprofit careers. NLA collaborates with a number of national nonprofit organizations as well as locally based grassroots organizations that actively seek NLA/ASU program interns and job candidates.

## Program Requirements:

The program includes active participation by nonprofit professionals who offer workshops, seminars, mentoring and field trips. The certified nonprofit professional credential can be earned in conjunction with any bachelor's degree and requires successful participation in cocurricular, experiential activities in addition to required academic course work.

Required Courses -- 24 credit hours
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 300: Fund Raising and Resource Development (3)
NLM 310: Volunteer Management (3)
NLM 320: Professional Development Seminar (4)
Notes: (one credit each, over four semesters)
NLM 420: Nonprofit Leadership Alliance Institute (2)
Notes: Fall Only
NLM 430: Managing Nonprofit Organizations (L) (3)
NLM 463: Senior Internship or NLM 484: Internship (6-12)
Notes: NLM 463 (12) credits required. NLM 484 (6) credits required.
*NLM 484 Internship is for students not pursuing a Nonprofit Leadership and Management major.

## Standards

1. 24-30 hours of graded course work depending upon major.
2. minimum "C" (2.00 on a 4.00 scale) grade required for all classes in the certificate.
3. minimum GPA of 2.00 for those pursuing the certificate.
4. should be a junior to take 400-level courses

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

## Enrollment Requirements:

Applications for the Certified Nonprofit Professional certificate are available through the School of Community Resources and Development academic advisors and the Nonprofit Leadership Alliance senior program coordinator.

For U.S. Department of Education Gainful Employment Program Disclosure information, students should see https://catalog.asu.edu/files/disclosures/PPNPYCERT/Gedt.html (https://catalog.asu.edu/files/disclosures/PPNPYCERT/Gedt.html).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

## Contact Information:

Public Service and Community Solutions, College of School of Community Resources and Development https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

## Oral History Certificate (ASOHCCERT) <br> Campus: West

## Description:

The certificate in oral history, offered by the School of Humanities, Arts and Cultural Studies, introduces the interdisciplinary theories and methods required to collect, document and preserve the stories of people's lives. Through the oral history certificate program, students will gain an understanding of and appreciation for diverse cultures, past and present, and will engage in oral history research and interviewing. Students may build on existing projects or develop new community relationships at local, national and international levels. With the knowledge and skills to abide by the professional standards involved in oral history documentation, research and presentation, students will leave the program better prepared for graduate programs or careers that integrate oral history.

## Program Requirements:

The certificate in oral history consists of 18 upper division credit hours. A minimum of six upper division credit hours must be completed through courses offered by the School of Humanities, Arts, and Cultural Studies. Students should consult an academic advisor to select appropriate courses. All courses used to satisfy requirements for the certificate must be passed with a " C " $(2.00$ ) or better.

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Core Requirements -- 6 credit hours
HRC 310: Social and Cultural Studies: Method and Theory (C) (3)
HRC 480: Capstone: Practices and Approaches (L) (3)
Electives -- 12 credit hours
ASB 389 (https://webapp4.asu.edu/catalog/courselist?s=AMS&I=upperdivision&t=2187&hon=F" > AMS Upper Division Elective (3)
SBS 389 / SOC 389: Ethnographic Field Lab (3)
COM 342: Oral History and Storytelling (3)
ENG 317: Cross-Cultural Writing ((L or HU) & G) (3)
ENG 344: Intermediate Family History Research (3)
ENG 361: Scriptwriting (3)
ENG 376: Writing a Personal History (L) (3)
ENG 377: Editing Family History for Public Audiences (L) (3)
ENG 412: Creative Nonfiction (3)
ENG 476: Studies in Folklore ((L or HU or SB) & C) (3)
IAP 331: Performance, Acting, and the Individual (https://webapp4.asu.edu/catalog/courselist?s=ETH&|=upperdivision&t=2187&hon=F" > ETH
Upper Division Elective (3)
HRC Upper Division Elective (3)
IAP 364: Documentaries (3)
WST 370: Chronicling Women's Lives (HU & C) (https://webapp4.asu.edu/catalog/courselist?s=IAP&I=upperdivision&t=2187&hon=F" > IAP Upper
Division Elective (3)
IAS Upper Division Elective (3)
LAS Upper Division Elective (3)
WST 473: Indigenous and Latina/Chicana Representation (SB & C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

The certificate program in oral history is open to all ASU undergraduate majors. This certificate is also available for graduate students,and students majoring in professional programs. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of School of Humanities, Arts, and Cultural Studies https://newcollege.asu.edu/oral-history-certificate FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Peace Corps Prep Certificate (LSPCPRCERT)}

Campus: Downtown Phoenix, Polytechnic, Tempe, West

\section*{Description:}

The Peace Corps prep certificate is designed to foster intellectual curiosity in international development while enhancing the competitiveness of Peace Corps applicants. The certificate program has six sectors comprising education, youth development, health, environment, community and economic development and agriculture, with the unifying mandatory course BIS 355 Peace Corps Seminar. Centered around three core competencies in sector-specific skills, intercultural competence and leadership, the certificate program encourages participation in service learning, internship opportunities and study abroad experience.

\section*{Program Requirements:}

The Peace Corps Prep certificate requires a minimum of 18 credit hours (at least 12 credit hours must be upper division) as outlined below. Students are encouraged to take courses that develop breadth within their sector rather than limiting their selection to courses in one particular subject area.
Applicants should contact an academic advisor in the College of Integrative Sciences and Arts or the Peace Corp liaison at ASU by emailing pcprepcoordinator@asu.edu (mailto:pcprepcoordinator@asu.edu)

Required Courses -- 6 credit hours
BIS 355: Peace Corps Seminar (3)
USL 402: Service Learning: Education \& Youth (C) or USL 410: Service Learning: Diverse Community Issues (L \& C) (3)

Elective Courses (Choose one of the six sectors below) -- 12 credit hours
Students will select 12 credit hours from one of the six program sectors in agriculture, community and economic development, education, environment, health and youth development. A minimum of six credit hours must be upper-division, and one upper-division elective course must have a General Studies awareness area of G (Global Awareness) or C (Cultural Diversity). Please see your academic advisor for a complete list of sector specific courses.

\section*{Agriculture Sector}

Examples of electives include, but are not limited to:
AGB 100: Introduction to Agribusiness (3)
AGB 250: Economics of Resource Allocation: Food and Agriculture (3)
AGB 302: International Management and Agribusiness (G) (3)
AGB 425: Food Supply Networks (3)
AGB 452: Global Food and Agricultural Policy (3)
ASB 300: Food and Culture ((L or SB) \& C) (3)

Community and Economic Development Sector
Examples of electives include, but are not limited to:

ABS 364: Urban Forestry (3)
BIO 324: Environmental Ethics (HU) (3)
BIO 434: People and Nature: Ecosystem Services (3)
ECN 360: Economic Development (SB \& G) (3)
SCN 309: Environmental Education Project (1)
GCU 364: Energy in the Global Arena (SB \& G) (3)
SOS 327: Sustainable Food and Farms (3)
Education Sector
Examples of electives include, but are not limited to:
AFR 350: Inequality and Diversity in Education (L \& C) (3)
ECD 321: Emerging Language and Literacy (3)
ECS 315: Classroom Organization and Child Guidance (3)
ENG 489: Culturally Sustaining Pedagogy (3)
HCR 402: Advocacy for Health and Health Education (3)
SOC 421: Education and Society (SB) (3)
SPF 301: Culture and Schooling (L) (3)

\section*{Environment Sector}

Examples of electives include, but are not limited to:
ASB 371: Inequality and Sustainability (L) (3)
ASB 375: Humans and the Environment: What's the Connection? ((L or SB) \& G) (3)
BIO 320: Fundamentals of Ecology (3)
BIO 322: Conservation of Biodiversity (3)
GPH 314: Global Change (HU \& G) (3)
SOS 326: Sustainable Ecosystems (3)
Health Sector
Examples of electives include, but are not limited to:
ASB 301: Global History of Health (SB \& G \& H) (3)
ASB 305: Poverty and Global Health ((L or SB) \& G) (3)
ASM 345: Disease and Human Evolution (3)
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) \& C) (3)
HCD 310: Health Communication (3)
Youth Development Sector
Examples of electives include, but are not limited to:
ASB 346: Marriage and Family Diversity (SB \& C) (3)
NLM 300: Fund Raising and Resource Development (3)
NLM 310: Volunteer Management (3)
PRM 315: Community Recreation Systems (3)
SOC 241: Modern Social Problems (SB) (3)
SWU 456: Immigrants and Refugees (C) (3)
Service Learning is required. Please visit the Service Learning Web Page (https://communityengagement.education.asu.edu/programs/university-service-learning) for questions regarding placement and enrollment.
Foreign language study to at least the 200 -level is encouraged but not required.
For Peace Corps placements in Spanish or French-speaking countries, foreign language proficiency at the 200 -level is often required.
Study abroad or international experience is encouraged but not required. Please consider Taste of Peace Corp in the Dominican Republic during spring break with Dr. Hirshorn as a substitute for BIS 355 requirement.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

GPA Requirement: 2.00
Majors Ineligible to Add this Certificate: None
Other Enrollment Requirements: None
Applicants should contact an advisor in the College of Integrative Sciences and Arts for more information.
A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
USE 138
CISA@asu.edu
480-965-4464

\section*{Personal Fitness Training Certificate (NHPFITCERT) \\ Campus: Downtown Phoenix}

\section*{Description:}

The personal fitness training certificate provides students with the knowledge, skills and competencies they need to design physical activity programs and give instruction in them to a relatively healthy population that is interested in improving general fitness and lowering the risk of developing hypokinetic disease. After completion of the certificate, students will have the ability to obtain an entry-level fitness certification through any accredited association.

\section*{Program Requirements:}

Required Courses -- 15 credit hours
EXW 214: Flexibility Instructional Competency Laboratory (2)
EXW 216: Muscular Strength Instructional Competency Laboratory (2)
EXW 218: Cardiovascular Instructional Competency Laboratory (2)
EXW 302: Fundamentals of Wellness (L) (3)
EXW 320: Management and Leadership in Exercise and Wellness (3)
EXW 335: Physical Activity and Fitness Concepts (3)

Elective (choose one course) -- 3 credit hours
EXW 344: Physical Activity in Health and Disease (3)
EXW 400: Stress Management for Wellness (3)
EXW 410: Obesity Perspectives and Prescriptions (3)

Students must earn a minimum grade of "C" (2.00) in all courses in the certificate.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.
The following prerequisite courses are needed in order to complete the requirements of this certificate: BIO 201 Human Anatomy and Physiology I (4); BIO 202 Human Anatomy and Physiology II (4); PSY 101 Introduction to Psychology (3).

\section*{Enrollment Requirements:}

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu
HLTHS 444AA
chs@asu.edu
602-496-3300
Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)
Campus: West

\section*{Description:}

The certificate in philosophy, rhetoric and literature offered by the School of Humanities, Arts and Cultural Studies is an interdisciplinary humanities program that integrates continental philosophy and religion, critical theory, rhetoric, literary criticism, aesthetics and communication. Through
coursework, students examine philosophical approaches to literary studies, conflicts between rhetoric and philosophy, and rhetorical elements of literature and theory. This program will prepare students for advanced study in the humanities, social and behavioral sciences, and the arts as well as lifelong learning in a variety of fields.

\section*{Program Requirements:}

The certificate in philosophy, rhetoric and literature consists of 18 upper division credit hours. The certificate requires three credit hours in Rhetorical Perspectives, three credit hours in Continental Philosophical Perspectives, six credit hours from Pool A and six credit hours from Pool B. Any other courses used to satisfy the requirements for this certificate must be approved by an academic advisor prior to enrollment. All courses used to satisfy the requirements for the certificate must be passed with a "C" (2.00) or better.

Core I Rhetorical Perspectives -- 3 credit hours
ENG 400: History of Literary Criticism (L or HU) (3)
ENG 472: Rhetorical Studies (L) (3)

Core II Continental Philosophical Perspectives -- 3 credit hours
ENG 401: Topics in Critical Theory (3)
PHI 304: Existentialism (HU) (3)
PHI 411: Continental Philosophy (HU) (3)
PHI 412: Philosophy and Literary Criticism (HU) (3)
Pool A -- 6 credit hours
ENG 400: History of Literary Criticism (L or HU) (3)
ENG 401: Topics in Critical Theory (3)
ENG 440: Studies in American Literature and Culture (HU) (3)
ENG 454: Gender and Literature (L or HU) (3)
ENG 461: Studies in Women and Literature (HU) (3)
ENG 472: Rhetorical Studies (L) (3)
ENG 478: Studies in Modernism (L or HU) (3)
ENG 479: Studies in Postmodernism (HU \& G) (3)
IAP 371: Verbal Art (3)
IAP 471: Language, Culture, and Performance (L or HU) (3)
IAP 473: Aesthetic Research (L or HU) (3)
PHI 412: Philosophy and Literary Criticism (HU) (3)
PHI 421: Philosophical Topics (3)

Pool B -- 6 credit hours
COM 321: Rhetorical Theory and Research ((L or HU) \& H) (3)
COM 324: Rhetoric and Media Criticism (3)
COM 421: Rhetoric of Social Issues (HU) (3)
COM 429: Semiotics and Visual Communication (3)
ENG 401: Topics in Critical Theory (3)
HST 357 / PHI 391 / REL 391: Historical Perspectives on Philosophy and Religion (3)
PHI 303 / REL 300: The Future of Religions (L or HU) (3)
PHI 304: Existentialism (HU) (3)
PHI 311: Philosophy and Literature (HU) (3)
PHI 339: Philosophy of Art (HU) (3)
PHI 390 / REL 314: Jewish Philosophy (3)
PHI 411: Continental Philosophy (HU) (3)
PHI 412: Philosophy and Literary Criticism (HU) (3)
PHI 421: Philosophical Topics (3)
PHI 494 / REL 494: Philosophical/Spiritual Issues in Death \& Dying (3)
REL 345: Asian Religious Traditions (HU \& G) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

The certificate in philosophy, rhetoric and literature is open to all ASU undergraduate majors. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/philosophy-rhetoric-and-literature-certificate
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Political Economy Certificate (LAPLECERT)}

Campus: Tempe

\section*{Description:}

This certificate program is designed to engage students in the studies of global and domestic environments, whether those environments are governance organizations, nonprofits agencies or private enterprises, through an understanding of issues related to the intersection of politics and the economy.

\section*{Program Requirements:}

The certificate includes courses in political science, economics and other academic areas that relate to politics and the economy. Students majoring in any subject at the university may be awarded the certificate upon completion of the following: 15 credit hours ( 12 credit hours must be upperdivision and nine of these upper-division credits must be taken from the College of Liberal Arts and Sciences):

Part One: Economics Foundation (choose one course) -- 3 credit hours
ECN 211: Macroeconomic Principles (SB) (3)
ECN 212: Microeconomic Principles (SB) (3)

Part Two: Politics Foundation (choose one course) -- 3 credit hours
POS 300: Contemporary Global Controversies (SB \& G) (3)
POS 310: American National Government (SB) (3)
POS 350: Comparative Politics (SB \& G) (3)

Part Three: Political Economics and the World (choose two courses) -- 6 credit hours
ECN 306: Survey of International Economics (SB \& G) (3)
ECN 335: South Asia and the World Economy (SB \& G) (3)
ECN 360: Economic Development (SB \& G) (3)
POS 465: International Organization and Law (SB \& G) (3)
POS 485: Political Economy (SB) (3)
POS 486: International Political Economy (SB \& G) (3)

Part Four: Related Elective (choose one course) -- 3 credit hours
GCU 350: The Geography of World Crises (SB \& G) (3)
JUS 405: Inequality, Economy and Justice ((L or SB) \& G) (3)
PAF 340: Contemporary Policy Challenges (3)
PAF 470: Topics in Public Economics and Financial Management (3)
POS 325: Public Policy Development (SB) (3)
POS 356: European Union (SB \& G) (3)
POS 367: World Politics and Global Inequalities (G) (3)
SGS 325 / JUS 325: Globalization and Socio-Economic Justice (SB \& G) (3)
SGS 350: Economic Development and Globalization (3)
URB 300: Urban and Metropolitan Studies (3)
URB 302: Urban Theory (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded
prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://pgs.clas.asu.edu/
COOR 6797
spgs@asu.edu
480-965-8563

\section*{Political Entrepreneurship through Internships: Local to Global Certificate (LAPEICERT) \\ Campus: Tempe}

\section*{Description:}

The certificate is designed to prepare students for careers in public policy in global and domestic environments whether they be in governance organizations, nongovernmental organizations, nonprofit agencies or private enterprises engaged in policy-making, implementation and critical assessment. The requirements include applied practice in these settings and an internship. A variety of internship opportunities exist for students with global, national, state or local interests. Coursework in the social sciences, humanities and business will prepare students to be participants in policy processes as an avenue of civic engagement.

\section*{Program Requirements:}

A total of 15 credit hours are required. At least 12 credit hours must be completed at the upper-division level and nine of these hours must be from courses offered by the College of Liberal Arts and Sciences.
All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or higher.

Part One: Introductory Course (choose one course) -- 3 credit hours
POS 110: American Government and Politics (SB) (3)
POS 150: Comparative Government (SB \& G) (3)
POS 160: Global Politics (SB \& G) (3)
POS 310: American National Government (SB) (3)
SGS 101: Thinking Globally: The Individual and Authority (SB \& G) (3)
SGS 301: Principles of Global Studies (3)

Part Two: Policy and Leadership (choose one course) -- 3 credit hours
POS 325: Public Policy Development (SB) (3)
POS 351: Democratization (SB \& G) (3)
POS 361: American Foreign Policy (SB \& G) (3)
POS 364: National Security, Intelligence, and Terrorism (SB) (3)
POS 410: Governing American Cities (SB) (3)
POS 426: Elements of Public Policy (SB) (3)
POS 468: Comparative Asian foreign Policies (SB \& G) (3)
POS 486: International Political Economy (SB \& G) (3)
SGS 320: Mechanisms of Governance (3)
SGS 321: International Institutions and Global Governance (3)
SGS 340: Violence, Conflict and Human Rights (3)
SGS 350: Economic Development and Globalization (3)

Part Three: Internship -- 6 credit hours
Students may elect to complete only 3 hours of internship in Part Three. Students selecting this option must complete six upper-division credits in Part Four.
POS 484 / SGS 484: Internship (6)

Part Four: Related Electives (students choose one to two courses depending on how many credit hours of internship credit are earned) -- 3 credit hours
BUA 380: Small Business Leadership (3)
BUA 383: Small Business Working Relationships (3)
COM 222: Argumentation (L) (3)
COM 225: Public Speaking (L) (3)
COM 230: Small Group Communication (SB) (3)
COM 250: Communication and the Workplace (SB) (3)
COM 259: Communication in Business and the Professions (3)

COM 312: Communication, Conflict, and Negotiation (3)
ENG 301: Writing for the Professions (L) (3)
FIN 380: Personal Financial Management (3)
JUS 320: Community and Social Justice (SB \& C) (3)
MGT 290: My Life Venture (3)
MGT 380: Management and Strategy for Nonmajors (3)
NLM 160: Voluntary Action and Community Leadership (SB) (3)
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 410: Social Entrepreneurship (3)
PAF 200: Public Service and Policy in the 21st Century (3)
PAF 201: Economics and Public Policy (SB) (3)
PAF 300: Public Management and Administration (3)
PAF 311: Leadership and Change (SB) (3)
PAF 340: Contemporary Policy Challenges (3)
PAF 410: Building Leadership Skills (SB) (3)
PAF 420: Public Leadership (3)
PAF 460: Public Service Ethics (3)
POS 494: McCain Institute Policy Design (3)
SGS 204: Professional Global Career Development (3)
SOS 111 / PUP 190: Sustainable Cities ((HU or SB) \& G) (3)
SOS 321: Policy and Governance in Sustainable Systems (3)
URB 305: Urban Governance (3)
URB 405: Citizen Engagement and Community Building (3)
USL 210: Service Learning: Intro to Diverse Community Issues (L \& C) (3)
USL 410: Service Learning: Diverse Community Issues (L \& C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Any student admitted to study at ASU may complete a certificate. Students should contact the School of Politics and Global Studies for more information about the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://pgs.clas.asu.edu
COOR 6797
SPGS@asu.edu
480-965-8563

\section*{Political Thought and Leadership Certificate (LAPTLCERT)}

Campus: Tempe

\section*{Description:}

The certificate program in political thought and leadership provides students with a strong foundation in the history of politics and political thought with a special emphasis on the role of leadership. The certificate program will prepare students for leadership in their own careers, political or otherwise. Required courses combine academic study and mentoring contact with political, media and business leaders from the wider Phoenix area and Arizona communities, while electives drawn from a variety of disciplines are used to broaden the scope of emphasis.

\section*{Program Requirements:}

The certificate requires 15 credit hours, of which at least 12 must be upper-division. At least six upper-division hours must be completed in courses offered by the College of Liberal Arts and Sciences. All courses must be completed in residence at ASU and with a grade of "C" (2.00 on a 4.00 scale) or higher.

HST 112 / POS 112: Foundations of Democracy (HU \& H) (3)
HST 414 / POS 414: Political Thought and Leadership (3)

Elective Courses -- 9 credit hours
Choose electives from at least two different disciplines. Available disciplines are African and African American studies, economics, history, justice studies, philosophy, political science, religious studies and women and gender studies. A cross-listed course (such as HST 317 and POS 317) may be applied under either discipline, but not both.
Upper Division Discipline Elective (9)

African and African American Studies
AFR 330: Survey of African American Politics (SB \& H) (3)

Economics
ECN 312: Intermediate Microeconomic Theory (SB) (3)
ECN 313: Intermediate Macroeconomic Theory (SB) (3)
ECN 315: Money \& Banking (3)
ECN 360: Economic Development (SB \& G) (3)
ECN 404: History of Economic Thought (SB) (3)

History
HST 302: History of Money ((HU or SB) \& G \& H) (3)
HST 302: War and Political Thought ((HU or SB) \& G \& H) (3)
HST 304: Ancient Political Thought (SB \& H) (3)
HST 304: Classical Political Thought (SB \& H) (3)
HST 304: Marxism and Its Critics (SB \& H) (3)
HST 304: Modern Political and Social Thought (SB \& H) (3)
HST 304: Modern Political Economy (SB \& H) (3)
HST 304: Political Thought in Early-Modern Europe (SB \& H) (3)
HST 304: Revolutions \& Reactions in Mod Political Thought (SB \& H) (3)
HST 305: History of Latin American Political Thought (SB \& H) (3)
HST 306: American Political Conspiracy ((HU or SB) \& H) (3)
HST 306: American Political Thought I: to 1865 ((HU or SB) \& H) (3)
HST 306: American Political Thought II: Since 1865 ((HU or SB) \& H) (3)
HST 306: Debating American Liberty ((HU or SB) \& H) (3)
HST 306: Political Thought and the American Revolution ((HU or SB) \& H) (3)
HST 306: Terrorism in U.S. Political History ((HU or SB) \& H) (3)
HST 315: Political History of the U. S. (SB \& H) (3)
HST 317: History of Postwar U.S. Conservatism (3)

Justice Studies
JUS 308: Courts and Society (3)
JUS 321: Wealth Distribution and Poverty (SB \& C) (3)
JUS 330: Survey of African American Politics (SB \& H) (3)
JUS 332: Politics of Energy Policy and Justice (3)
JUS 360: Law and Social Control (SB) (3)

Philosophy
PHI 307: Philosophy of Law (HU) (3)
PHI 336: Social and Political Philosophy (HU) (3)
PHI 347: Philosophical Theories of Constitutional Law (3)

\section*{Political Science}

POS 310: American National Government (SB) (3)
POS 313: The Congress (SB) (3)
POS 314: The American Presidency (SB) (3)
POS 315: The Supreme Court (SB) (3)
POS 317: History of Postwar U.S. Conservatism (3)
POS 340: History of Political Philosophy I (HU \& H) (3)
POS 341: History of Political Philosophy II (HU \& H) (3)
POS 342: Political Theory (HU or SB) (3)
POS 346: Problems of Democracy (HU) (3)
POS 352: European Democracies (3)
POS 356: European Union (SB \& G) (3)
POS 417: Arizona Politics (SB) (3)

POS 435: Women and Politics (SB \& C) (3)
POS 442: American Political Thought (HU) (3)
POS 470: Law and the Political Order (SB) (3)
POS 471: Constitutional Law I (SB) (3)
POS 472: Constitutional Law II (SB) (3)
POS 485: Political Economy (SB) (3)

Religious Studies
REL 388: Religion, Ethics, and International Politics (3)
REL 420: Religion in American Life and Thought (HU) (3)

Women and Gender Studies
WST 377: History of American Feminist Thought (H \& C) (3)
WST 440: Politics of Women's Health (SB \& C) (3)

Additional upper-division courses from disciplines such as economics, history, justice studies, philosophy, public service and public policy, and religious studies may be used with the approval of an academic advisor in the School of Historical, Philosophical and Religious Studies. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

GPA Requirement: None

Students wishing to declare the certificate must meet with an academic advisor in the School of Historical, Philosophical and Religious Studies.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/191
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

\section*{Power and Society Certificate (ASPWSOCERT) \\ Campus: West}

\section*{Description:}

The certificate program in power and society offered by the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences at the West campus prepares students to think critically and practically about the relationship between power and society. Courses in the program use multiple perspectives to explore the sources, exercise and consequences of power across a variety of social and historical settings. The certificate program is recommended for students with academic or career interests in politics, government, economics, organizing and advocacy, public affairs and public policy, journalism, social work, human rights, social justice, education and sustainability.

\section*{Program Requirements:}

The certificate in power and society requires a minimum of 15 credit hours (at least 12 credit hours must be upper division). Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline.
All 15 credit hours must be completed through the School of Social and Behavioral Sciences in the New College of Interdisciplinary Arts and Sciences. A maximum of six credit hours may be shared between the certificate and a New College major.
The certificate requires three core credit hours and 12 credit hours of electives. Electives are not limited to the certificate elective list; see academic advisor prior to enrollment. A maximum of three credit hours of individualized instruction or internship may be applied toward the certificate.

Only courses in which a student received a grade of "C" ( 2.00 on a 4.00 scale) or higher may be used to meet the certificate requirements.

Elective Courses (minimum 9 upper-division) -- 12 credit hours
Students will select 12 credit hours from relevant courses on power and society. Selected courses must come from at least two of the following prefixes to develop breadth across disciplines: ASB, POS, SBS or SOC.
ASB 339 / POS 339 / SBS 339 / SOC 339: Grassroots Social Movements (SB) (3)
ASB 342 / SBS 342 / SOC 342: Mexico-U.S. Borderlands (SB \& C) (3)
ASB 394: Special Topics (3)
ASB 442 / SBS 460: Global Cities (SB \& G) (3)
ASB 447 / POS 447 / SBS 447: Citizenship, Nationalism, and Identity (SB \& C) (3)
ASB 484: Internship (3)
ASB 494: Special Topics (3)
ASB 499: Individualized Instruction (3)
POS 150: Comparative Government (SB \& G) (3)
POS 160: Global Politics (SB \& G) or POS 360: World Politics (SB \& G) (3)
POS 335 / SBS 335: Power and American Democracy (3)
POS 350: Comparative Politics (SB \& G) (3)
POS 361: American Foreign Policy (SB \& G) (3)
POS 394: Special Topics (3)
POS 436: Gender, Sexuality, Nation-States (3)
POS 437: Women, Power, and Politics (G) (3)
POS 470: Law and the Political Order (SB) (3)
POS 480 / SBS 480: Global Justice (G) (3)
POS 484: Internship (3)
POS 486: International Political Economy (SB \& G) (3)
POS 494: Special Topics (3)
POS 499: Individualized Instruction (3)
SBS 394: Special Topics (3)
SBS 484: Internship (3)
SBS 494: Special Topics (3)
SBS 499: Individualized Instruction (3)
SOC 371: Inequality and Sustainability (3)
SOC 394: Special Topics (3)
SOC 426: Social Inequality (SB) (3)
SOC 456: Political Sociology (3)
SOC 457: Global Social Movements (SB \& G) (3)
SOC 484: Internship (3)
SOC 494: Special Topics (3)
SOC 499: Individualized Instruction (3)
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

This certificate is open to students in any major. Students should contact an advisor in the New College of Interdisciplinary Arts and Sciences for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of School of Social and Behavioral Sciences
https://newcollege.asu.edu/power-and-society
FAB N100
sbsadvising@asu.edu
602-543-3000
Professional Sales Certificate (BAPRSCERT)
Campus: Tempe

\section*{Description:}

Designed for the nonmarketing business major, the certificate in professional sales was created for business students who are interested in pursuing the many opportunities in professional sales. With the inclusion of courses in professional sales as well as sales management, this certificate program prepares students to be successful account managers or sales team leaders in both business-to-business and business-toconsumer settings. An optional internship in sales is strongly encouraged as part of the professional sales certificate.

\section*{Program Requirements:}

Prerequisite Course -- 3 credit hours
MKT 300: Marketing and Business Performance or MKT 303: Honors Marketing Theory and Practice (L) (3)

Required Courses -- 6 credit hours
MKT 370: Professional Sales and Relationship Management (3)
MKT 410: Sales Management (3)

Electives (choose two) -- 6 credit hours
MGT 430: Negotiations (3)
MKT 435: Entrepreneurial Marketing (3)
MKT 441: Sports Revenue Generation (3)
MKT 484: Internship (3)
Notes: Internship in sales.
MKT 493: Honors Thesis (L) (3)

To receive the certificate, students must complete the specified business courses with a grade of " C " or higher ( 2.00 on a 4.00 scale) Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

This certificate is open to current students in the W. P. Carey School of Business who are not in the marketing major. The certificate application is accessed and submitted through Advising SOS: https://wpcarey.asu.edu/SOS (https://wpcarey.asu.edu/SOS).

No more than 6 credit hours may be shared between certificate and other degree programs, minors, and/or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees/professional-sales-certificate
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Public Administration and Public Management Certificate (PPPAFCERT)}

Campus: Downtown Phoenix

\section*{Description:}

The certificate in public administration and public management prepares students for citizenship, leadership and careers in governmental and nonprofit agencies. Students will learn the context and principles of public administration and how to apply these in a practitioner setting; the role of the public administrator in the design, implementation and evaluation of public policy; and how to lead change and address ethical issues in public service.

It is intended for undergraduate students who are interested in developing leadership skills or wish to enhance their degree in an existing major at ASU, for working adults who may wish to further their education yet may not be looking for a degree program or for BA in interdisciplinary studies students who seek to combine certificates with their degree.

The program is designed for students interested in public service who want to learn skills to:
- build and bridge communities
- deliver and manage public programs
- improve the quality of life
- lead change in public policy
- preserve natural resources
- provide public safety
- reform welfare
- strengthen democratic governance

\section*{Program Requirements:}

The certificate in public administration and public management consists of 15 credit hours of course work; students take 12 credit hours of core classes and three credit hours of elective courses.

Core Courses -- 12 credit hours
PAF 300: Public Management and Administration (3)
PAF 340: Contemporary Policy Challenges (3)
PAF 420: Public Leadership (3)
PAF 460: Public Service Ethics (3)

Elective -- 3 credit hours
PAF Upper Division Elective (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/undergradminors
UCENT 400
spa@asu.edu
602-496-0450

\section*{Religion and Conflict Certificate (LARELCERT)}

Campus: Tempe

\section*{Description:}

The certificate will be of particular interest to students pursuing careers in journalism, law, policy work, diplomacy, the military, public advocacy, publishing, education, ministry or other fields in which an enhanced understanding of religion and conflict is becoming increasingly vital. A regional component provides students specific regional knowledge of how religion has been implicated in human conflict. Required coursework in at least two different regions fosters a comparative understanding of the dynamics of religion and conflict in historical and global contexts. A political component explores how religion influences or is influenced by matters of state, law, government or other dimensions of political life. A cultural component provides students with an understanding of how religion operates as a powerful force that impacts and intersects with expressions of human identity, thought and culture.

\section*{Program Requirements:}

The certificate requires a minimum of 18 credit hours. At least 12 credit hours must be completed in upper-division course work and at least 12 credit hours must be completed at ASU. At least six upper-division hours in the certificate must be completed in courses offered by the College of Liberal Arts and Sciences. A grade of "C" ( 2.00 on a 4.00 scale ) or higher is required for each course used to fulfill a certificate requirement.

Required Courses -- 12 credit hours
Regional Component Courses from two different geographic regions. Available regions are Africa, Asia, Europe, Latin America, Middle East and United States. (6)
Cultural Component Course from list (3)

Humanities and Social Sciences Requirement
At least six of the 18 credit hours must be fulfilled with courses from the humanities and at least three credit hours from the social sciences. Complete 6 credit hours from ARB OR FMS OR HEB OR HST OR REL OR SLC courses to fulfill the humanities requirement. Complete 3 credit hours from COM OR GCU OR JUS OR POS OR SGS OR SOC OR WST courses to fulfill the social sciences requirement.

Regional Component: Africa
GCU 328: Geography of Middle East and North Africa (SB \& G) (3)
HST 307: Studies in African History (H) (3)
POS 359: African Politics and Society (SB \& G) (3)
REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)

Regional Component: Asia
HST 391 / SGS 381: Modern Southeast Asia (SB \& G \& H) (3)
HST 392: Modern India (3)
HST 452: Chinese Cultural History II (SB \& G \& H) (3)
HST 459: Gandhi and the Politics of Nonviolence (3)
REL 345: Asian Religious Traditions (HU \& G) (3)
REL 347: Peace and Conflict in India ((L or HU) \& G) (3)
REL 348: Religion and Culture in Southeast Asia (3)
REL 352: Modern Buddhism (3)
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) \& G) (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 377: Religion in Russia (HU \& H) (3)

Regional Component: Europe
HST 350: Later Middle Ages ((HU or SB) \& H) (3)
HST 352: Europe's Reformations ((L or HU or SB) \& H) (3)
HST 355: Total War and the Crisis of Modernity (SB \& G \& H) (3)
HST 360: The Crusades: Religion \& Conflict in the Middle Ages (SB \& H) (3)
HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) \& H) (3)
HST 432: Eastern Europe the Balkans, 20th Century (G \& H) (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 377: Religion in Russia (HU \& H) (3)
REL 471: Reformation and Modern Christianity (HU \& H) (3)

Regional Component: Latin America
REL 332: South American Indian Religions (HU \& G) (3)

Regional Component: Middle East
ARB 331 / SLC 331: Arabic/Islamic Culture and Literature (HU \& H \& G) (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 341: Quran Text and Women (HU \& H) (3)
GCU 328: Geography of Middle East and North Africa (SB \& G) (3)
HST 372: Modern Middle East (SB \& G \& H) (3)
POS 353: Comparative Politics of the Middle East (3)
REL 364: Islam in Eurasia and Central Asia (3)

Regional Component: United States
HST 315: Political History of the U. S. (SB \& H) (3)
REL 319: Religion, Violence and America (3)
REL 321: Religion in America ((L or HU) \& C \& H) (3)
REL 386: America and the Holocaust (HU or SB) (3)

Cultural Component
ARB 331 / SLC 331: Arabic/Islamic Culture and Literature (HU \& H \& G) (3)
ARB 335: Arabic Culture and Islam (G) (3)
ARB 341: Quran Text and Women (HU \& H) (3)
HEB 348 / JST 348 / REL 311 / SLC 348: Israeli Society and Culture (HU \& G) (3)
HST 352: Europe's Reformations ((L or HU or SB) \& H) (3)
HST 359: Jewish History from 1492 to 1948 (SB \& G \& H) (3)
HST 361 / REL 374: Witchcraft and Heresy in Europe ((L or HU) \& H) (3)

HST 452: Chinese Cultural History II (SB \& G \& H) (3)
HST 459: Gandhi and the Politics of Nonviolence (3)
PHI 406 / IAS 406: Moral Dilemmas (L or HU) (3)
REL 201: Religion and the Modern World (L or HU) (3)
REL 300: The Future of Religions (L or HU) (3)
REL 312 / HST 369: History and Memory of the Holocaust (3)
REL 313 / FMS 313: Anti-Semitism in the Media (3)
REL 321: Religion in America ((L or HU) \& C \& H) (3)
REL 345: Asian Religious Traditions (HU \& G) (3)
REL 352: Modern Buddhism (3)
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) \& G) (3)
REL 363 / AFR 373: Islam and World Affairs (G) (3)
REL 366: Islam in the Modern World (HU \& G) (3)
REL 369: Women in Islam (3)
REL 377: Religion in Russia (HU \& H) (3)
REL 381: Religion and Moral Issues (L or HU) (3)
REL 386: America and the Holocaust (HU or SB) (3)
REL 390 / WST 390: Women, Gender and Religion (HU \& G) (3)
REL 471: Reformation and Modern Christianity (HU \& H) (3)
REL 482 / JUS 473 / POS 473: Religion, Violence, and Conflict Resolution (3)
REL 483: Religion and Science (3)
SOC 420: Sociology of Religion (L or SB) (3)
WST 345: Gender, Religion, and Global Violence (SB \& G) (3)
WST 477: Women and Violence (SB \& C) (3)

Political Component
COM 312: Communication, Conflict, and Negotiation (3)
COM 377: Communication, Terrorism, and National Security (3)
HST 315: Political History of the U. S. (SB \& H) (3)
HST 355: Total War and the Crisis of Modernity (SB \& G \& H) (3)
HST 360: The Crusades: Religion \& Conflict in the Middle Ages (SB \& H) (3)
HST 372: Modern Middle East (SB \& G \& H) (3)
HST 432: Eastern Europe the Balkans, 20th Century (G \& H) (3)
JUS 374: The Holocaust, Genocide, and Human Rights (3)
JUS 467: Terrorism, War, and Justice (SB) (3)
POS 353: Comparative Politics of the Middle East (3)
POS 359: African Politics and Society (SB \& G) (3)
POS 364: National Security, Intelligence, and Terrorism (SB) (3)
REL 107 / SGS 107: Religion and Globalization (HU \& G) (3)
REL 362 / AFR 372 / SGS 366: Islam and Islamic Societies in Africa: Social and Political History (G) (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 378 / POS 378: Religion, War and Peace (L) (3)
REL 379 / SGS 343: Religion, Nationalism, and Ethnic Conflict (HU \& G) (3)
REL 380: Theology of Terror (3)
REL 387: Religion and Conflict: Theories and Cases ((L or HU) \& G) (3)
REL 388 / POS 388: Religion, Ethics, and International Politics (3)
REL 480 / SGS 441: Religion and Global Politics (L \& G) (3)
SGS 340: Violence, Conflict and Human Rights (3)
WST 345: Gender, Religion, and Global Violence (SB \& G) (3)

Electives (two courses) -- 6 credit hours
Students select electives from any of the course lists above, keeping in mind that at least 12 credit hours within the certificate must be upperdivision.
If a course is used to meet more than one component requirement above, additional electives may be required to meet the 18 credit hour minimum.
Certificate Electives (6)

In some cases, the same course can be used to fulfill more than requirement. For more information, please contact the certificate director in the Center for the Study of Religion and Conflict.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

For questions about the program, students should contact the certificate director in the Center for the Study of Religion and Conflict (https://csrc.asu.edu/index.php?q=education/certificate-program)

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://csrc.asu.edu/index.php?q=education/certificate-program
WHALL 130
csrc@asu.edu
480-727-6339

\section*{Risk Communication Certificate (ASRCMCERT)}

Campus: West

\section*{Description:}

The certificate program in risk communication combines the strengths of the three schools within the New College of Interdisciplinary Arts and Sciences: the School of Social and Behavioral Sciences, the School of Mathematical and Natural Sciences and the School of Humanities, Arts and Cultural Studies. The rising importance of the field of risk communication stems from the need to name, understand and manage physical and social risks as we are faced with increasingly challenging decisions concerning stressed social and environmental infrastructures. Proficiency in risk communication requires understanding the complex interfaces of physical, biological, psychological and social systems. The program will prepare students for a range of diverse careers in risk management, crisis communications and environmental public affairs. Specifically, students will develop expertise suited to work as risk management specialists and environmental advocates, preparing them to translate complex scientific ideas and analyses into information that can be evaluated meaningfully by all members of society.

\section*{Program Requirements:}

The certificate in risk communication requires 15 credit hours. A minimum of 12 credit hours must be upper division. Eight credit hours must be unique credit hours not already being counted toward the students' bachelor degree requirements in communication or environmental science. Other electives can be chosen in consultation with an academic advisor. All courses used to satisfy requirements for the certificate must be passed with a " C " (2.00) or better.

Core Requirements -- 6 credit hours
BIO 130: Introduction to Environmental Science (SQ) or ENV 201: Fundamentals of Environmental Science (3-4)
Notes: ENV 201 is required by Biology or Environmental Science majors.
COM 415: Risk Communication (3)

Elective Courses (choose three courses) -- 9 credit hours
COM 319: Persuasion and Social Influence (SB) (3)
COM 414: Crisis Communication (3)
COM 450: Organizational Communication (SB) (3)
COM 454: Rhetorical and Critical Approaches to Public Relations (3)
COM 463: Intercultural Communication in a Global Context (SB \& G) (3)
IAS 340 / PHI 320: Bioethics (HU) (3)
IAS 407 / PHI 407: Environmental Philosophy and Policy (L or HU) (3)
IAS 409 / PHI 409: Eco-Community Ethics (HU) (3)
LSC 362: The Human Environment (3)
PTX 301: Basics of Pharmacology and Toxicology (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Students wishing to pursue this certificate should consult an academic advisor in the School of Mathematical and Natural Sciences or the School of Social and Behavioral Sciences to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a
nondegree-seeking graduate student.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/risk-communication
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{Risk Management Certificate (BARMGTCERT)}

Campus: Polytechnic

\section*{Description:}

This certificate program is designed to give students a solid foundation in the theory and practice of modern risk management. Upon completion of the certificate, students will be able to identify and measure a variety of business and financial risks, and to design and articulate strategies for managing and communicating risks. The concept of Enterprise Risk Management is emphasized at the onset of the certificate curriculum, emphasizing that risks and risk management strategies must be considered holistically at the firm level, not in isolation.

\section*{Program Requirements:}

The certificate in risk management is available to business majors and non-business majors. This certificate requires 18 credit hours of courses. A "C" or better is required for all upper-division coursework. No more than six credit hours may be shared between the certificate and other degree programs, minors, and/or other certificates.

Required Courses -- 9 credit hours
BUS 434: Risk Management and Insurance (3)
BUS 436: Frontiers in Risk Management (3)
FIN 300: Fundamentals of Finance or FIN 303: Honors Finance (3)

Elective Courses -- 9 credit hours
AGB 360: Agribusiness Statistics (CS) (3)
AGB 435: Commodity Futures and Options Markets (3)
BUS 384: Business Operations and Planning or SCM 432: Planning and Control Systems for Supply Chain Management (3)
COM 414: Crisis Communication (3)
FIN 421: Security Analysis and Portfolio Management (3)
FIN 427: Derivative Financial Securities (3)
IEE 454: Risk Management (3)
OGL 421: Project Risk Management (3)
SCM 314: Analytics for Logistics or SCM 315: Business Decision Models (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU.
Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Business, W. P. Carey School of
Morrison School of Agribusiness
https://wpcarey.asu.edu/agribusiness-degrees
SANTN 230F
wpcarey.morrison@asu.edu
480-727-1586
Russian and East European Studies Certificate (LAREECERT)
Campus: Tempe

\section*{Description:}

The certificate in Russian and East European studies encourages students to develop special competency in Russian or East European languages and area studies. Coursework leading to the certificate is offered in agribusiness, architecture, biology, economics, Eurasian languages (Armenian, Tajik, Tatar and Uzbek), geography, history, international business, music, political science, religious studies, Slavic and East European languages (Albanian, Bosnian/Croatian/Serbian, Macedonian, Polish, Romanian and Russian), sociology and women's studies. A student with a major in any school or department may pursue this certificate and develop a personalized plan of study in cooperation with an advisor in the Melikian Center.

Certificate holders enhance their prospects for study abroad fellowships and graduate admissions and also qualify for unique entry-level government employment opportunities. Past certificate awardees have moved into positions of leadership in government, academia and the private sector.

\section*{Program Requirements:}

The certificate in Russian and East European studies requires a minimum of 22 credit hours of Russian or another Eurasian or East European language and 30 credit hours in Russian, East European and Eurasian area-related course work, of which at least 24 credit hours must be upperdivision. A grade of " C " ( 2.00 on a 4.00 scale) or higher is required in all courses used toward the certificate.

Language Requirement -- 22 credit hours
Complete six courses in the same language (22-26)
Additional languages may be available beyond those shown in the list below; students should contact the Melikian Center for current offerings.

Polish
PLC 101: Elementary Polish (4)
PLC 102: Elementary Polish (4)
PLC 201: Intermediate Polish (4)
PLC 202: Intermediate Polish (4)
PLC 311: Advanced Polish I (3)
PLC 312: Advanced Polish II (3)

Romanian
ROM 101: Elementary Romanian (5)
ROM 201: Intermediate Romanian (5)
ROM 313: Romanian Composition and Conversation (3)
ROM 314: Romanian Composition and Conversation (3)
ROM 411: Advanced Spoken and Written Romanian I (3)
ROM 412: Advanced Spoken and Written Romanian II (3)

\section*{Russian}

RUS 101: Elementary Russian I (5)
RUS 102: Elementary Russian II (5)
RUS 201: Intermediate Russian I (G) (5)
RUS 202: Intermediate Russian II (G) (5)
RUS 211: Basic Russian Conversation I (G) (3)
RUS 212: Basic Russian Conversation II (G) (3)

Serbo-Croatian
BCS 101: Elementary Serbo-Croatian (G) (4)
BCS 102: Elementary Serbo-Croatian (G) (4)
BCS 201: Intermediate Serbo-Croatian (4)
BCS 202: Intermediate Serbo-Croatian (4)
BCS 311: Bosnian/Croatian/Serbian Composition and Conversation I (3)
BCS 312: Bosnian/Croatian/Serbian Composition and Conversation II (3)

Area Studies Courses -- 30 credit hours
Area Studies Courses (30)
At least three disciplines outside of language, literature and linguistics must be represented in the area studies course work. Available disciplines include agribusiness; architecture; art history; economics; geography; history; language, literature and linguistics; music history; political science; religious studies; and women and gender studies. At least 12 hours of area studies course work must be from outside language, literature and linguistics.

Architecture
APH 336: 20th-Century Architecture I (HU) (3)
APH 337: 20th-Century Architecture II (HU) (3)

Art History
ARS 410: Early Christian and Byzantine Art (HU) (3)

Economics
ECN 306: Survey of International Economics (SB \& G) (3)
ECN 365: Economics of Russia and Eastern Europe (SB \& G) (3)

Geography
GCU 426: Geography of Russia and Surroundings (SB \& G) (3)

History
HST 370: Eastern Europe in Transition (SB \& G \& H) (3)
HST 371: Religion in Russia (HU \& H) (3)
HST 431: Eastern Europe and the Balkans, Pre-1914 (SB \& H) (3)
HST 432: Eastern Europe the Balkans, 20th Century (G \& H) (3)
HST 435: The Russian Empire (SB \& H) (3)
HST 436: The Soviet Experiment (SB \& G \& H) (3)

Language, Literature and Linguistics
RUS 311: Russian Composition and Conversation I (G) (3)
RUS 312: Russian Composition and Conversation II (G) (3)
RUS 321: Foundations of Russian Literature (HU) (3)
RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU) (3)
RUS 323 / SLC 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) \& G) (3)
RUS 411: Advanced Composition and Conversation I (G) (3)
RUS 412: Advanced Composition and Conversation II (G) (3)
RUS 421: Pushkin (L or HU) (3)
RUS 423: Dostoevsky and Tolstoy (L or HU) (3)
RUS 424: Tolstoy and War and Peace in Russian Literature and Cinema (L or HU) (3)
RUS 425: Chekhov and Russian Drama (L or HU) (3)
RUS 430: Russian Short Story (L or HU) (3)
RUS 439 / SLC 439: Art in Exile: Vladímir Vladímirovich Nabokov (HU \& L) (3)
RUS 440: Russian Mass Media (G) (3)
RUS 441: Survey of Russian Culture ((L or HU) \& G \& H) (3)
RUS 498: Pro-Seminar (3)
SLC 429: Jewish Culture in Central Europe ((L or HU) \& G \& H) (3)
SLC 429: Politics \& Culture in European Short Fiction ((L or HU) \& G \& H) (3)
SLC 429: Politics of Drama in 20th-Century Europe ((L or HU) \& G \& H) (3)
SLC 429: Societies and Culture in Modern Europe ((L or HU) \& G \& H) (3)
SLC 429: Theatre and Politics in Modern Europe ((L or HU) \& G \& H) (3)
SLV 304: Digital Humanities for Language Majors (CS) (3)
SLV 440: History of Slavic Languages (SB) (3)
SLV 498: Pro-Seminar (3)

Music History
MHL 363: Survey of Russian Music (HU) (3)
MHL 439: Topics in 19th-Century Music (L \& H) (3)
MHL 456: History of Opera (3)

Political Science
POS 351: Democratization (SB \& G) (3)

Religious Studies
REL 207: Ritual, Symbol, and Myth (L or HU) (3)
REL 270: Introduction to Christianity (HU) (3)
REL 310: Western Religious Traditions (HU \& H) (3)
REL 364: Islam in Eurasia and Central Asia (3)
REL 365: Islamic Civilization (HU \& H) (3)

REL 366: Islam in the Modern World (HU \& G) (3)
REL 372: Formation of the Christian Tradition (HU \& H) (3)
REL 377: Religion in Russia (HU \& H) (3)
REL 379: Religion, Nationalism, and Ethnic Conflict (HU \& G) (3)

Women and Gender Studies
WST 340: Gender, Science, and Technology (SB) (3)
WST 360: Women as Healers (SB \& G) (3)

All courses used toward the certificate must be approved by the Melikian Center. Students must meet with a representative of the Melikian Center. Contact information: melikiancenter@asu.edu or (480) 965-4188.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate

\section*{Enrollment Requirements:}

For more information or to add the certificate, students should contact the Melikian Center at melikiancenter@asu.edu (mailto:melikiancenter@asu.edu) or call (480) 965-4188.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://melikian.asu.edu/
COOR 4448
melikiancenter@asu.edu
480-965-4188

\section*{Sales and Marketing Essentials Certificate (BASMECERT)}

Campus: Tempe

\section*{Description:}

Designed for undergraduate nonbusiness majors, the certificate in sales and marketing essentials offers a set of courses that cover essential marketing knowledge in a wide variety of marketing application domains. Students are required to enroll in two fundamental courses in marketing and also choose three additional courses from a larger set (services marketing, business marketing, global marketing, sports business and advertising) to tailor their certificate to their particular interests. While some courses are offered in a face-to-face setting, the entire certificate is offered via iCourse for flexibility and convenience

\section*{Program Requirements:}

The certificate in sales and marketing essentials requires 15 credit hours to complete and is available to undergraduate nonbusiness majors or nondegree-seeking students at ASU. The entire certificate may be taken online.

Required Courses -- 6 credit hours
MKT 390: Essentials of Marketing (3)
MKT 391: Essentials of Selling (3)

Elective Courses (choose three) -- 9 credit hours
MKT 392: Essentials of Business Marketing (3)
MKT 395: Essentials of Advertising and Marketing Communication (3)
MKT 396: Essentials of Services Marketing (3)
MKT 397: Essentials of Global Marketing (3)
MKT 398: Essentials of Sports Business (3)

To receive the certificate, students must complete the specified business courses with a grade of " C " ( 2.00 on a scale of 4.00 ) or higher Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

This certificate is for non-business majors only. The certificate application may be accessed and submitted online through Advising SOS: https://wpcarey.asu.edu/SOS (https://wpcarey.asu.edu/SOS).

No more than 6 credit hours may be shared between certificate and other degree programs, minors, and/or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees/sales-marketing-certificate
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{School Nutrition Certificate (ECNTRCERC)}

Campus: Downtown Phoenix

\section*{Description:}

This certificate program is directed toward current degree-seeking students and postbaccalaureate students who are interested in eligibility for the school nutrition specialist credential offered by the School Nutrition Association. More information for this credential is available at: https://schoolnutrition.org/SNS/ (https://schoolnutrition.org/SNS/).

\section*{Program Requirements:}

The certificate requires that students take the following courses, for a total of 31 credit hours:

Required courses -- 31 credit hours
ACC 382: Accounting and Financial Analysis (3)
EXW 100: Introduction to Health and Wellness (SB) or EXW 325: Fitness for Life (3)
NTR 142: Applied Food Principles (3)
NTR 343: Food Service Purchasing (3)
NTR 344: Nutrition Management and Leadership (L) (3)
NTR 345: Development of Healthy Cuisines or NTR 341: Medical Nutrition Therapy I (3)
NTR 401: Preprofessional Preparation in Nutrition (3)
NTR 445: Management of Food Service Systems (3)
NTR 448: Community Nutrition (L) (3)
NTR 450: Nutrition in the Life Cycle (SB) (3)
NTR 498: Child Nutrition Seminar (L) (1)

Students must earn a minimum grade of C in all courses in the certificate.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

The curriculum committee of the nutrition program will approve applications to the certificate program.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA

\section*{Secondary Education Certificate (TESEDCERT)}

Campus: Polytechnic, Tempe, West, The Gila Valley

\section*{Description:}

The secondary education certificate program prepares students who wish to teach students enrolled in grades 6-12. While students develop a strong content background, the secondary education certification focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students. In order to integrate teacher preparation with the academic specialization, the Teachers College collaborates and communicates with academic departments throughout the university. Clinical experience and student teaching are required components of this certificate. Students who complete this certificate program will be issued an institutional recommendation for certification in Arizona. Students desiring to teach in a public school must also pass the appropriate Arizona educator exams (either the National Evaluation Series or the Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

The secondary education undergraduate certificate is also available for students who have earned a bachelor's degree; this will be considered a nondegree graduate pathway.

\section*{Program Requirements:}

The certificate requires a minimum of 30 hours.

Required Courses -- 15 credit hours
BLE 407: SEI for Secondary Students (3)
RDG 323: Literacy Processes in Content Areas (3)
SED 322: Classroom Leadership in Secondary Schools (L) (3)
SPE 417: Inclusion Practices at the Secondary Level (3)
TEL 311: Instruction and Management in the Inclusive Classroom (3)

Methods Course (choose one) -- 3 credit hours
Please consult with MLFTC academic advisor to select appropriate subject methods course.
BIO 480: Methods of Teaching Biology (3)
CHM 480: Methods of Teaching Chemistry (3)
ENG 480: Methods of Teaching English: Composition (L) (3)
ENG 482: Methods of Teaching English: Language (L) (3)
GCU 414: Teaching Geography Standards (3)
GLG 490: Topics in Geology (3)
HST 480: Methods of Teaching History: Classroom Resources (3)
HST 481: Methods of Teaching History: Community Resources (3)
MTE 482: Methods of Teaching Mathematics in Secondary School (3)
MTE 485: Teaching Standards-Based Middle and High School Mathematics (3)
PHY 480: Methods of Teaching Physics (3)
SED 403: Secondary Principles, Curriculum and Methods (3)
SED 480: Special Methods of Teaching Social Studies (3)
SED 482: Science Teaching Methods for Secondary Schools (3)
SLC 479: Introduction to Teaching Foreign Languages (3)

Required Clinical Experiences -- 12 credit hours
SED 396: Clinical Experience I or SED 398: Clinical Experience or SED 397: Clinical Experience II or SED 496: Clinical Experience III (1)
SED 478: Student Teaching: Secondary Education (Grades 6-12) (11)
Notes: A full-time 15-week student teaching experience is also required. Degree requirements for student's major must be completed prior to student teaching.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Students interested in pursuing the secondary education certificate should be enrolled as a degree-seeking undergraduate student. This program is also available to students in the Phoenix area or Gila Valley area (Morenci) who have already completed a bachelor's degree and want to be certified to teach. Students interested in this option will apply to ASU as a non-degree seeking graduate student.
hours in coursework for the major or a passing score on appropriate teacher certification exam: biology, business, chemistry, Chinese (Mandarin), earth and space science, economics, English, French, general science, geography, German, history, mathematics, physics, political science or Spanish.

Students should have a valid Arizona DPS Identity Verified Print (IVP) fingerprint clearance card.

A 2.50 GPA is required to progress into the final semester of student teaching. Students should contact the Mary Lou Fulton Teachers College for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
http://education.asu.edu/
ED 120
educationadvising@asu.edu
480-965-5555

\section*{Security Studies Certificate (PPSCSCERT)}

Campus: Downtown Phoenix

\section*{Description:}

The 24 credit hour security studies certificate will provide students with the skills and credentials necessary to expand their employment opportunities in corporate and public security. Students will receive extended education in transdisciplinary topics such as accounting, computer studies and advanced crime and law courses. Upon completion of this certificate, students will be well-equipped to have fluid conversations with professionals from different backgrounds.

\section*{Program Requirements:}

Required Core Courses -- 12 credit hours
ACC 382: Accounting and Financial Analysis (3)
CIS 105: Computer Applications and Information Technology (CS) (3)
CRJ 201: Criminal Justice Crime Control Policies and Practices (3)
CRJ 419: Domestic Terrorism (3)

Select two courses from the following
-- 6 credit hours
CRJ 410: Procedural Criminal Law (3)
CRJ 412: International Terrorism (3)
CRJ 450: Crime Analysis (3)
CRJ 463: White Collar Crime (3)
CRJ 464: Organized Crime (3)

Select one course from the following -- 3 credit hours
CIS 235: Introduction to Information Systems (3)
CPI 101: Introduction to Informatics (CS) (3)
CSE 100: Principles of Programming with C++ (CS) (3)
CSE 110: Principles of Programming (CS) (3)
CSE 180: Computer Literacy (CS) (3)

Select one course from the following -- 3 credit hours
CRJ 484: Internship (3)
LAW 480: Business, Law and Society (3)
LES 305: Business Law and Ethics for Managers (3)

A grade of "C" (2.00 on a 4.00 scale) or better is required for upper-division course work.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Students should meet with an academic advisor from the School of Criminology and Criminal Justice to formally add the certificate to their degree plan.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu
UCENT 600
SCCJAdvising@asu.edu
602-496-2356

\section*{Small Business and Entrepreneurship Certificate (BASMBCERT)}

Campus: Tempe

\section*{Description:}

Students will learn how to launch their own business or work with small or startup operations. Courses include small business, entrepreneurship and business plan development. Classroom work is complemented by frequent interaction with successful founders and leaders of entrepreneurial ventures.

\section*{Program Requirements:}

The certificate requires 15 credit hours.
Required Courses -- 9 credit hours
ENT 305: Principles of Entrepreneurship (3)
ENT 360: Entrepreneurship and Value Creation (3)
ENT 441: Entrepreneurial Management (3)

Elective (choose one) -- 3 credit hours
ENT 446: Venture Capital Experience (3)
ENT 447: Lean Launch (3)
ENT 448: Corporate Entrepreneurship (3)
ENT 464: Collaborative Design Development I (L) (5)
ENT 465: Collaborative Design Development II (L) (5)
FIN 394: Fundamentals of Entrepreneurial Finance (3)
MKT 440: Creating Digital Experiences (3)
MKT 435: Entrepreneurial Marketing (3)
Small Business Elective (choose one) -- 3 credit hours
ACC 350: Internal Reporting (3)
ACC 430: Taxes and Business Decisions (3)
CIS 300: Web Design and Development (3)
CIS 308: Advanced Excel in Business (3)
CIS 309: Business Process Management (3)
CIS 315: Introduction to Business Data Analytics (3)
CIS 425: Web Technologies for the Enterprise (3)
CIS 440: Capstone in Information Systems (L) (3)
ECN 360: Economic Development (SB \& G) (3)
ECN 410: Applied Regression Analysis and Forecasting (3)
ENT 340: Creativity and Innovation (L or HU) (3)
ENT 484: Internship or MGT 484: Internship (3)
FIN 361: Advanced Managerial Finance (3)
FIN 461: Financial Cases and Modeling (L) (3)
MGT 394: Women and Leadership in Business Today (3)
MGT 411: Leading Organizations (3)
MGT 430: Negotiations (3)
MGT 450: Consulting Projects (L) (3)

MKT 365: Advertising Management (3)
MKT 402: Consumer Behavior (3)
MKT 410: Sales Management (3)
SCM 344: Applied Logistics Management (3)
SCM 345: Logistics Management (3)
SCM 355: Supply Management (L) (3)
SCM 440: Quality Management/Measurement (3)
SCM 445: Advanced Logistics Management (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

The certificate in small business and entrepreneurship is available only to business majors at ASU. Students majoring in business entrepreneurship or management (entrepreneurship) are not eligible to pursue this certificate. The certificate application is accessed and submitted through Advising SOS: https://wpcarey.asu.edu/SOS (https://wpcarey.asu.edu/SOS).

No more than 6 credit hours may be shared between certificate and other degree programs, minors, and/or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees/small-business-entrepreneurship-certificate
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Social Science Research Methods Certificate (LASSRMCERT)}

Campus: Tempe

\section*{Description:}

This certificate program prepares students to acquire, manage and analyze a broad range of data on human thought and human behavior. Data can be qualitative (e.g., text, images, sound) or quantitative (e.g., direct observation, surveys, GIS). Data acquisition skills may include the downloading and managing of information from online sources or the primary collection of data in surveys or by direct observation. A key feature of this program is a focus on data analysis so that students will be able to analyze any data they collect. All students in this program will demonstrate skills in statistical analysis plus skills in a selection of methods related to their interests.

\section*{Program Requirements:}

Students must complete 18 credit hours. A minimum of a " C " grade ( 2.00 on a 4.00 scale) is required.

Required Course -- 3 credit hours
STP 452: Multivariate Statistics or an equivalent course approved by academic advisor (3)

Electives (Choose four) -- 12 credit hours
AML 441: Mathematical Concepts and Tools in Sustainability (3)
ASB 430: Social Simulation (CS) (4)
FAS 361: Research Methods (L or SB) (3)
FAS 460: Leadership, Research, and Collaboration in Community Change (3)
FAS 461: Community Action Research Experience Research Internship (3)
GCU 373: Introduction to Geographic Information Science (SG) (4)
GCU 442: Geographical Analysis of Transportation (SB) (3)
GCU 496: Geographic Research Methods (L) (3)
GIS 311: Geographic Information Science III (CS) (4)
GIS 322: Programming Principles in GIS II (3)
GIS 341: Introduction to Cartography and Georepresentation (CS) (3)
GIS 351: Air Photo Interpretation (3)

GIS 431: Spatial Databases (3)
GIS 441: Geographics: Interactive and Animated Cartography and Geovisualization (CS) (3)
GIS 461: Optimization Fundamentals for Spatial Analysis (3)
GIS 462: Location Analysis and Modeling (3)
GIS 470: Advanced Statistics for Geography and Planning (CS) (3)
GIS 471: Spatial Statistics for Geography and Planning (3)
GIS 472: Spatial Regression Analysis (3)
POS 301 / SGS 305: Empirical Political Inquiry (SB) (3)
POS 401 / SGS 401: Political Statistics (CS) (3)
PUP 424: Planning Methods (4)
PUP 481: Optimization Fundamentals for Spatial Analysis (3)
PUP 482: Location Analysis and Modeling (3)
SOC 389: Ethnographic Field Lab (1-6)
SOC 391: Research Methods (L or SB) (3)
SOC 433: Applied Demography (SB) (3)
STP 310: Design and Analysis of Experiments (3)
STP 315: Statistical Computing (3)
STP 420: Introductory Applied Statistics (CS) (3)
STP 429: Experimental Statistics (CS) (3)
STP 450: Nonparametric Statistics (3)
STP 460: Categorical Data Analysis (3)

Required Capstone Course -- 3 credit hours
ASB 499: Individualized Instruction or an equivalent capstone course approved by academic advisor (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://issr.asu.edu/
COOR 5516
issrinfo@asu.edu
480-965-5005

\section*{Social Transformation Certificate (LASOTCERT)}

Campus: Tempe

\section*{Description:}

Students enrolled in the certificate program learn how diverse communities, locally and globally have achieved social change and consider how to apply what they have learned in identifying just solutions to the social problems facing communities today. The areas of focus include a variety of themes such as:
- civil rights movements
- democracy movements
- gender equality
- gender justice
- labor movements

\section*{Program Requirements:}

The certificate requires a minimum of 15 credit hours, of which at least 12 credit hours much be completed at the upper-division level. A minimum of 12 credit hours must be completed at ASU. Courses for the certificate must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or higher.

APA 220 / JUS 220 / SST 220: Introduction to Social Transformation (3)
SST 484: Internship or SST 499: Individualized Instruction (3)

Elective Courses (Choose three) -- 9 credit hours
AFR 325 / JUS 326: Music as Political Discourse: Reggae, Calypso, and Hip Hop (HU \& H \& G) (3)
AFR 365: Unruly Voices: Black Women and Cultural Narratives (HU \& C) or WST 364: Unruly Voices: Black Women and Cultural Narratives (C) (3)
AFR 420: Race Ethnicity and Politics in the African Diaspora (SB \& G) (3)
AFR 470: Women's International Human Rights (3)
APA 350: Inequality and Diversity in Education (L \& C) (3)
COM 312: Communication, Conflict, and Negotiation (3)
COM 341: Social Contexts for Performance (3)
ENG 333: American Ethnic Literature ((L or HU) \& C) (3)
ENG 367: Environmental Issues in Literature and Film (L or HU) (3)
ENG 371: Rhetoric of the Environmental Movement (3)
HST 306: Studies in United States History ((HU or SB) \& H) (3)
HST 354: Revolutionary Europe (SB \& H) (3)
JUS 320: Community and Social Justice (SB \& C) (3)
JUS 321: Wealth Distribution and Poverty (SB \& C) (3)
JUS 350: Immigration and Justice (SB \& C) (3)
JUS 375: Justice and the Mass Media (SB) (3)
JUS 430: Social Protest, Conflict, and Change ((L or SB) \& C) (3)
JUS 444: Environment and Justice (L \& C) (3)
JUS 460: Feminism and Justice (C) (3)
JUS 497: Social Enterprise: Innovation and Justice (3)
NLM 410: Social Entrepreneurship (3)
REL 379: Religion, Nationalism, and Ethnic Conflict (HU \& G) (3)
REL 482: Religion, Violence, and Conflict Resolution (3)
SOC 352: Social Change (SB \& G \& H) (3)
TCL 340: Chicana/o and Latina/o Politics and Policy (L \& C) (3)
TCL 341: Policy Issues in Chicana/o and Latina/o Urban Settings (C) (3)
THP 482: Theatre for Social Change (C) (3)
URB 305: Urban Governance (3)
WST 375: Women and Social Change (SB \& C) (3)
WST 377: History of American Feminist Thought ( \(\mathrm{H} \& \mathrm{C}\) ) (3)
WST 378: Global Feminist Theory (L \& G) (3)
WST 380: Race, Gender, and Class (SB \& C) (3)
Courses in addition to those in the list above may be used with the approval of an academic advisor in the School of Social Transformation.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/social-transformation
WILSN 125
SSTadvising@asu.edu
480-965-7682

\section*{Socially Engaged Practice in Design and the Arts Certificate (HISEPCERT) \\ Campus: Tempe}

\section*{Description:}

Socially engaged practice in arts and design centers around participation, reciprocal relationships and collaborations that promote civic dialogue and investigate pressing issues of our time. This certificate program provides a theoretical framework, rigorous training and field experience in arts and design in civic and applied settings.

\section*{Program Requirements:}

The certificate in socially engaged practice in design and the arts requires 18 credit hours; 12 hours of upper-division course work is required. All courses must be completed with a minimum grade of "C" (2.00) or better. An overall 3.0 GPA is required for this Certificate.

Core -- 6 credit hours
HDA 210: Creativity and Innovation in Design and the Arts (3)
HDA 310: Socially Engaged Practice (3)
Social Engagement -- 3 credit hours
ART 442: Art and Community (3)
NLM 410: Social Entrepreneurship (3)
THP 452: Arts Entrepreneurship Seminar (3)
THP 482: Theatre for Social Change (C) (3)
URB 405: Citizen Engagement and Community Building (3)
Fieldwork / Internship -- 3 credit hours
HDA 484: Internship (3)
Electives (at least 3 credits must be Upper Division) -- 6 credit hours
AME 111: Introduction to Digital Culture (CS) (3)
AME 220: Programming for the Web (3)
AME 230: Programming for the Media Arts (CS) (3)
AME 310: Media Literacies and Composition (3)
AME 330: Digital-Physical Systems (3)
AME 340: Compositional and Computational Principles for Media Arts (3)
AME 411: Advanced Interactive Sound (3)
AME 444: Media Installations (3)
AME 494: Animating Virtual Worlds (3)
AME 494: Integrated System Development (3)
ARS 441: Public Art (3)
ARS 460: Art Now (3)
ART 439: Intermedia Studio (3)
ART 442: Art and Community (3)
ART 443: Intermedia Performance (3)
DCE 133: Urban Movement Practices I (2)
DCE 201: Dance, Culture, and Global Contexts (HU) (3)
DCE 203: Walk this Way (3)
DCE 233: Urban Movement Practices II (2)
DCE 303: The Body Condition(ed) (SB) (3)
DCE 333: Urban Movement Practices III (3)
DCE 360: Third-Year Creative Practices I (3)
DCE 404: Dance and Ethics (3)
DCE 405: Rhetorical Moves (L or HU) (3)
HDA 252: Foundations of Arts Entrepreneurship (3)
MDC 211: Introduction to Digital Sound (3)
MDC 311: Composing and Performing for Hybrid Ensembles (3)
MHL 342: Music History II (HU) (3)
MHL 494: Music and Movement in Urban Culture (3)
MUP 438: The Enterprising Musician (3)
MUP 489: Gamelan (3)
MUP 489: Latin Marimba (3)
MUP 494: Music Product Creation and Development (3)
MUS 362: Rap Music and Hip Hop Culture (HU \& C) (3)
NLM 160: Voluntary Action and Community Leadership (SB) (3)
NLM 302: Inclusive Community Development (C) (3)
NLM 410: Social Entrepreneurship (3)
NLM 430: Managing Nonprofit Organizations (L) (3)
NLM 451: Grant Writing (3)
PAF 200: Public Service and Policy in the 21st Century (3)
PAF 410: Building Leadership Skills (SB) (3)
PAF 420: Public Leadership (3)
TDM 448: Heritage and Cultural Tourism (3)

THP 251 / THP 451: Student Production Board (3)
THP 301: Theatre Production (3)
THP 452: Arts Entrepreneurship Seminar (3)
THP 482: Theatre for Social Change (C) (3)
THP 483: Acting: Viewpoints and Composition (3)
URB 405: Citizen Engagement and Community Building (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

A minimum GPA of 3.00 is required to complete the certificate. The certificate is administered through the Office of Student Success in the Herberger Institute and is open to all undergraduate students admitted to ASU.

Students enrolled in a BA in the Herberger Institute must complete three additional hours of coursework unique to the certificate program that does not also count toward their major (due to the overlapping requirements of HDA 210 and HDA 310).

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/degree-programs/socially-engaged-practice-design-and-arts-certificate
CDS 101
herbergeradvising@asu.edu
480-965-4495

\section*{Socio-Legal Studies Certificate (LASLSTCERT)}

Campus: Tempe

\section*{Description:}

The distinction between law on the books and law in action, which refers to how people experience law in their everyday lives, is a cornerstone of the certificate program. The undergraduate certificate in socio-legal studies offers a model for educating and training students in the study of legal ideas, institutions and practices from the perspectives of the social sciences, law and the humanities.

\section*{Program Requirements:}

Students must complete 15 credit hours with at least 12 credit hours completed at the upper-division level. A minimum grade of " C " ( 2.00 on a 4.00 scale) is required for a course to count toward the certificate.

Core Theory and Foundation Courses (Select two) -- 6 credit hours
JUS 303: Justice Theory (L) (3)
JUS 308: Courts and Society (3)
JUS 360 / CRJ 350: Law and Social Control (SB) (3)
JUS 410: Punishment: Logic and Approach (3)
JUS 463: Discretionary Justice (SB) (3)
JUS 465: Death Penalty in the United States (L) (3)
PHI 307: Philosophy of Law (HU) (3)
PHI 336: Social and Political Philosophy (HU) (3)
PHI 408: Feminist Ethics (HU) (3)
POS 315: The Supreme Court (SB) (3)
POS 465: International Organization and Law (SB \& G) (3)
POS 471: Constitutional Law I (SB) (3)
POS 472: Constitutional Law II (SB) (3)

Interdisciplinary Elective Component -- 9 credit hours
Interdisciplinary electives must be taken from at least two different academic disciplines. Any course listed below may count towards this requirement. Other courses can be approved by the certificate program director.
AFR 215: Bob Marley and Reggae: Lyrics of Resistance (HU \& G) (3)

AFR 301 / JUS 300: Race and Racism in Africa/African Diaspora (SB \& G) (3)
AFR 304 / JUS 304: Islands of Globalization: Caribbean Politics and Political Economy (SB \& G \& H) (3)
AFR 420 / JUS 421: Race Ethnicity and Politics in the African Diaspora (SB \& G) (3)
AFR 428 / JUS 428: Critical Race Theory (3)
CRJ 305: Gender, Crime, and Criminal Justice (C) (3)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) (3)
HON 310: Justice and Law (3)
HON 410: Philosophy, Politics, and Law (3)
JUS 329: Domestic Violence (SB) (3)
JUS 350: Immigration and Justice (SB \& C) (3)
JUS 374: The Holocaust, Genocide, and Human Rights (3)
JUS 422: Women, Law, and Social Control (3)
JUS 432: Racial Justice (L) (3)
JUS 467: Terrorism, War, and Justice (SB) (3)
JUS 469: Political Deviance and the Law ((L or SB) \& C) (3)
JUS 484: Internship (3)
JUS 498: Pro-Seminar (3)
POS 370: Law and Society (SB) (3)
POS 470: Law and the Political Order (SB) (3)
PSY 468: Psychology and Law (3)
SOC 340: The Sociology of Deviance (SB) (3)
SOC 445: Globalization, Development, and Resistance (SB \& G) (3)
TCL 335 / HST 323 / AFR 335: Historical Studies in Race, Crime, and the Law (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Students who have attained junior standing (56 credit hours) in any undergraduate degree program at ASU are eligible for admission to the certificate program for socio-legal studies. There is no formal admission procedure, but students should contact the certificate program director or an academic advisor in the School of Social Transformation as soon as they decide to pursue the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/socio-legal-studies
WILSN 125
SSTadvising@asu.edu
480-965-7682

\section*{Southeast Asian Studies Certificate (LASALCERT)}

Campus: Tempe

\section*{Description:}

The certificate in Southeast Asian studies can supplement a bachelor's degree by demonstrating knowledge of a Southeast Asian language and Southeast Asian history, art, culture and society. This certificate prepares students for admission to graduate programs in Southeast Asian area studies or any academic discipline with a focus on Southeast Asia as well as advanced programs in international law, journalism, business or other professional fields. Recent graduates have gone on to enter medical school, MBA and doctoral programs. An earned certificate will appear on student transcripts as a Southeast Asian studies emphasis.

\section*{Program Requirements:}

The certificate in Southeast Asian studies requires 18 credit hours, of which a minimum of 12 credit hours must be upper-division. A grade of "C" ( 2.00 on a 4.00 scale) or better is required for all courses used to fulfill certificate requirements.

ASB 325: Peoples of Southeast Asia (G) (3)
HST 391: Modern Southeast Asia (SB \& G \& H) (3)

Electives (Choose two) -- 6 credit hours
GCU 433: Geography of Southeast Asia (3)
HST 456: The Vietnam War (SB \& G \& H) (3)
MUP 489: Gamelan (3)
POS 358: Southeast Asia (SB \& G) (3)
REL 348: Religion and Culture in Southeast Asia (3)
REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) \& G) (3)

Capstone -- 3 credit hours
HST 496: South, Southeast, and East Asia in the Global Matrix (3)
The capstone is only offered in the spring semester.

The certificate requires a simultaneous two-year sequence in a Southeast Asian language (Indonesian, Thai or Vietnamese).
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

GPA Requirement: None

Majors Ineligible To Add This Certificate: BA in Asia studies (Southeast Asia)

Students should contact the School of Historical, Philosophical and Religious Studies advising center for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/content/southeast-asian-studies
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

\section*{Spanish for the Professions Certificate (LSSPPRFCER)}

Campus: Downtown Phoenix

\section*{Description:}

The series of courses in this 18 credit hour certificate will help students hone Spanish communication skills and cultural knowledge so they may serve the needs of the U.S.-Latino community in professional settings (i.e., education, social work, health care, criminology, journalism). This certificate is open to ASU students and to the community at large. The combination of professionally focused courses and practical experience in this program will enhance students' professional preparation for employment in positions that require advanced proficiency in Spanish and an indepth understanding of U.S.-Latino culture.

\section*{Program Requirements:}

Prerequisite: completion of SPA 314 or SPA 316 or SPA 317 or permission of instructor. Spanish for the Professions certificate requires a total of 18 credit hours.

Required Courses -- 12 credit hours
SPA 317: Spanish for the Professions (3)
SPA 404: Spanish in U. S. Professional Communities (C) (3)
SPA 405: Latino Cultural Perspectives for the Professions (C) (3)
SPA 484: Internship (3)

Elective Courses -- 6 credit hours
SPA 403: Spanish Grammar and Stylistics for the Professions (3)

SPA Upper Division Elective (3)
Notes: SPA 300- or 400-level Spanish courses focused on the professions (e.g., health care, business, medical and legal interpretation, journalism, social work, education, legal and justice studies, sustainability, engineering and urban planning)
*Students should complete a minimum of 12 credit hours in the certificate and seek instructor approval before enrolling in SPA 484.
All courses for this certificate will require a minimum grade of " C " (2.00) or better to receive credit toward fulfilling certificate requirements. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

The prerequisites for this certificate are SPA 314 Spanish Conversation and Composition or SPA 316 Spanish Conversation and Composition for Bilinguals, or by permission of the instructor.

For additional information and to add the certificate, students should visit the school's website.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
AZCENT 380
CISA@asu.edu
602-496-0271

\section*{Special Events Management Certificate (HSRTMUERT)}

Campus: Downtown Phoenix

\section*{Description:}

The special events management certificate is a career enhancement program offered to nondegree-seeking students who already have a degree from an accredited university in any major or students currently pursuing a bachelor's degree in any major at ASU.

\section*{Program Requirements:}

The certificate requires 18 credit hours: 15 credit hours of required core courses and 3 credit hours of electives. Courses taken as part of a university major may count toward that degree and the certificate. To earn the certificate, students must complete all course work in the certificate with a minimum grade of " C " ( 2.00 on a 4.00 scale) or better. An application to the program is required.

Required Core Courses -- 15 credit hours
PRM 486: Special Events Management (3)
Notes: (must take this first, as prerequisite for the following required courses)
PRM 422: Entertainment, Protocol, and Programming for Special Events (3)
PRM 423: Special Event On-Site Operations (3)
PRM 427: Revenue Generation for Special Event Management (3)
PRM 488: Event Marketing and Promotion (3)
Notes: iCourse, offered summers only

Elective Course (select one) -- 3 credit hours
CRD 301: Sustainable Communities (3)
NLM 220: Introduction to Nonprofit Organizations (3)
NLM 310: Volunteer Management (3)
PRM 470: Environmental Communication (3)
Notes: Offered Spring only
PRM 475: Entrepreneurial Recreation and Tourism (3)
PRM 487: Advanced Special Events Management (3)
Notes: Offered Spring only
TDM 205: Introduction to Travel and Tourism (G) (3)
TDM 345: Meeting and Convention Planning (3)
TDM 350: Tourism, Recreation and Sports Marketing (3)

Standards
1. 18 hours of graded classroom course work (no internship, no independent study)
2. minimum of a " C " ( 2.00 on a 4.00 scale) grade required for all classes in the certificate
3. minimum GPA of 2.00 for those pursuing the certificate
4. should be a junior to take 400-level courses

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Students wishing to pursue the special events management certificate should consult with an academic advisor in the School of Community Resources and Development. For additional information, students should visit the official website.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 500
scrd@asu.edu
602-496-0550

\section*{Speech-Language Pathology Assistant Certificate (LASLPACERT)}

Campus: Tempe

\section*{Description:}

The speech-language pathology assistant certificate program prepares students to work with individuals with communication disorders, under the direction of a licensed speech-language pathologist. Students majoring in speech and hearing science or persons already holding a bachelor's degree in speech and hearing science receive additional coursework and clinical training to be eligible for the speech-language pathology assistant licensure. Speech-language pathology assistants work under the direction and supervision of speech-language pathologists in schools, clinics and rehabilitation agencies that provide speech and language services.

\section*{Program Requirements:}

The speech-language pathology assistant certificate program includes 15 credit hours of course work and clinical internships completed in conjunction with the bachelor's degree in speech and hearing science.
Twelve of the 15 credit hours for the speech-language pathology assistant certificate must be completed at ASU. A minimum grade of "B-" (scale is \(4.00=\) "A") is required for a course to count toward the certificate.

Required courses -- 15 credit hours
SHS 402: Clinical Methods and Treatment of Communication Disorders (3)
SHS 473: Implementation of Treatment Plans for Individuals with Communication Disorders (3)
SHS 483: Professional Issues and Ethical Considerations for the SLPA (3)
SHS 484: Internship (6)
Notes: Two internships of clinical practice

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Students who have completed 15 credit hours in speech and hearing science coursework with at least a 2.75 GPA (scale is \(4.00=\) "A") in those courses are eligible to apply. Applications will also be accepted from students who have completed a bachelor's degree in speech and hearing science or communication disorders from a program accredited by the American Speech-Language-Hearing Association, providing their GPA in the major was at least 2.75. Students should contact the Department of Speech and Hearing Science for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Health Solutions, College of
Department of Speech and Hearing Science
https://chs.asu.edu/programs/speech-language-pathology-assistant
COOR 2211
shsinfo@asu.edu
480-965-2374

\section*{Sports Business Certificate (BASPBCERT)}

Campus: Tempe

\section*{Description:}

The certificate in sports business is an innovative curriculum designed for BS students in the W. P. Carey School of Business who are interested in deepening their knowledge in the sports business domain. Particular attention is given to providing a foundation in marketing and sales as it is applied to the sports business discipline. The certificate prepares students for success by complementing coursework from a degree program with specialized business knowledge in the sports business area of interest.

\section*{Program Requirements:}

The certificate in sports business is available to BS business majors in the W. P. Carey School of Business. The certificate requires 15 credit hours.

Required Course -- 3 credit hours
MKT 311: Sports Business (3)

Choose at least two of the following courses -- 6 credit hours
MKT 441: Sports Revenue Generation (3)
MKT 451: Sports Business Analytics (3)
MKT 484: Internship or MKT 493: Honors Thesis (L) (3)

Choose no more than two of the following courses -- 6 credit hours
MKT 370: Professional Sales and Relationship Management (3)
MKT 410: Sales Management (3)
MKT 431: Sports Events and Facility Management (3)
MKT 435: Entrepreneurial Marketing (3)
MKT 442: Services Marketing Strategy (3)
MKT 484: Internship or MKT 493: Honors Thesis (L) (3)
MKT 494: Special Topics (3)

A "C" (2.00 on a 4.00 scale) or better is required in all upper-division course work.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Prerequisites: This program is available to W. P. Carey Bachelor of Science degree program students with a 2.50 ASU cumulative GPA and 56 earned hours. Students must have completed MKT 300, MKT 302 or MKT 303 with a grade of "C" ( 2.00 on a 4.00 scale) or better.

The certificate application is accessed and submitted through Advising SOS: https://wpcarey.asu.edu/SOS (https://wpcarey.asu.edu/SOS).

No more than 6 credit hours may be shared between certificate and other degree programs, minors, and/or other certificates.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

Business, W. P. Carey School of
Department of Marketing
https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/certificates
BA 460
wpcareymkt@asu.edu
480-965-3621

\section*{Symbolic, Cognitive and Linguistic Systems Certificate (LAPHICERT)}

Campus: Tempe

\section*{Description:}

The symbolic, cognitive and linguistic systems certificate program takes a transdisciplinary approach to the symbolic representation and processing of information in human cognition, natural languages and formal mathematical, logical and computing systems. Coursework covers three areas: human cognition and theories of mind, philosophy of language and linguistics, and computing and logic.

\section*{Program Requirements:}

The certificate requires 18 credit hours, of which at least 12 must be upper-division. At least six upper-division credit hours must be taken through the College of Liberal Arts and Sciences. A grade of "C" ( 2.00 on a 4.00 scale) or higher is required for all courses used toward the certificate.

Required Course (Choose one) -- 3 credit hours
CSE 110: Principles of Programming (CS) (3)
CSE 205: Object-Oriented Programming and Data Structures (CS) (3)
CSE 240: Introduction to Programming Languages (3)

Upper Division Philosophy Course (Choose one) -- 3 credit hours
PHI 313: Probability, Evidence, and Decision (3)
PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)
PHI 330: Theory of Knowledge (HU) (3)
PHI 331: Philosophy of Language (HU) (3)
PHI 333: Symbolic Logic (3)
PHI 334: Philosophy of Mind (HU) (3)
PHI 401: Rationalism (3)
PHI 402: Empiricism (HU) (3)
PHI 413: Advanced Symbolic Logic (3)

Electives -- 12 credit hours
Elective (3)
Upper Division Electives (9)
Students must complete at least one course each from the cognitive, linguistic and symbolic systems course lists below to earn the certificate. The required CSE course above also satisfies the requirement for a symbolic systems course, but students must cover the other two categories within the electives and upper division PHI course requirement. Once all three categories are satisfied, students may choose any courses from the cognitive, linguistic and symbolic systems lists for the remaining electives.

\section*{Cognitive Systems}

PHI 313: Probability, Evidence, and Decision (3)
PHI 330: Theory of Knowledge (HU) (3)
PHI 334: Philosophy of Mind (HU) (3)
PHI 401: Rationalism (3)
PHI 402: Empiricism (HU) (3)
PSY 323: Sensation and Perception (3)
PSY 324: Memory and Cognition (3)
PSY 434: Cognitive Psychology (L) (3)
PSY 437: Human Factors (L) (3)

Linguistic Systems
ASB 480: Principles of Linguistics (3)
ASB 483: Sociolinguistics and the Ethnography of Communication (SB) (3)
ENG 213: Introduction to the Study of Language (3)
ENG 312: English in its Social Setting (L or HU or SB) (3)
ENG 313: Phonology and Morphology (3)
ENG 314: Modern Grammar (3)
PHI 331: Philosophy of Language (HU) (3)

Symbolic Systems
CSE 110: Principles of Programming (CS) (3)
CSE 205: Object-Oriented Programming and Data Structures (CS) (3)
CSE 240: Introduction to Programming Languages (3)
MAT 243: Discrete Mathematical Structures (3)
MAT 300: Mathematical Structures (L) (3)
MAT 420: Scientific Computing (3)
PHI 319: Philosophy, Computing and Artificial Intelligence (CS) (3)
PHI 333: Symbolic Logic (3)
PHI 413: Advanced Symbolic Logic (3)
With the approval of the director of undergraduate studies, students may substitute one course not on the approved course lists. Please obtain approval prior to enrolling in any course not on the approved list.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Students should contact the School of Historical, Philosophical and Religious Studies advising center for more information.
A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/188
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

\section*{Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT) Campus: Tempe}

\section*{Description:}

The teaching english to speakers of other languages undergraduate certificate program consists of a coherent set of courses that provides students with the skills necessary to teach English as a foreign language. This certificate is useful for students interested in careers in this increasingly important field. It also serves as excellent preparation for students wishing to pursue graduate studies in the Master's of Teaching English as a Second Language program at ASU or in a similar program at another institution. Note that this certificate does not certify students to teach in Arizona public schools (K-12).

\section*{Program Requirements:}

The certificate program in teaching English as a second language requires a minimum of 18 credit hours, 12 of which must be completed at the upper-division level. At least 6 credit hours must be completed from courses offered by the College of Liberal Arts and Sciences.Each course must be completed with a grade of " C " ( 2.00 on a 4.00 scale) or higher.

Core -- 12 credit hours
ENG 213: Introduction to the Study of Language (3)
ENG 404: Studies in Second Language Acquisition (6)
Students complete two ENG 404 courses, one in second language acquisition and one in TESOL methods.
ENG 484: TESOL Internship (3)
Directed Elective -- 3 credit hours
ENG 404: Studies in Second Language Acquisition or ENG 414: Studies in Linguistics (3)
Notes: ENG 404 must be a topic not used to satisfy required courses.

Linguistics Electives (choose one) -- 3 credit hours
ENG 214: English Grammar and Usage (3)
ENG 312: English in its Social Setting (L or HU or SB) (3)
ENG 313: Phonology and Morphology (3)

ENG 314: Modern Grammar (3)
ENG 413: History of English Language (HU) (3)

Course substitutions may be used with approval of an academic advisor in the Department of English before enrollment.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

For more information about the TESOL certificate, students should contact an advisor in the Department of English.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/node/252
RBH 170
englishadvising@asu.edu
480-965-3168

\section*{Technical Communication Certificate (LSTECCERT)}

\section*{Campus: Polytechnic}

\section*{Description:}

Through the technical communication program students learn how to produce, design and manage information using traditional and developing technologies.

\section*{Program Requirements:}

The undergraduate certificate requires 18 hours.
Required Courses -- 6 credit hours
TWC 301: Fundamentals of Writing for Digital Media (L) (3)
TWC 401: Fundamentals of Technical Communication (L) (3)

Required Course (choose one) -- 3 credit hours
TWC 411: Principles of Visual Communication (L) (3)
TWC 421: Principles of Web Authoring (L) (3)
TWC 431: Principles of Technical Editing (3)
Electives -- 9 credit hours
TWC 4** Elective (9)

A "C" grade or better is required for all upper-division courses in the certificate.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

For disclosure information about the U.S. Department of Education Gainful Employment Program, students should see https://catalog.asu.edu/files/disclosures/LSTECCERT/Gedt.html.

\section*{Translation Certificate (LASPACERT)}

Campus: Tempe

\section*{Description:}

The translation certificate program, which focuses on Spanish and English, is designed to provide advanced training required for professional translation in both public and private sectors, preparation for the rigorous examinations required by national and international agencies, and training as an ancillary skill for professional fields such as international business, public health, medicine and law in accordance with guidelines recommended by the American Translators Association.

\section*{Program Requirements:}

The certificate program requires a minimum of 15 credit hours. At least 12 credit hours must be completed at the upper-division level. A grade of "C" ( 2.00 on a 4.00 scale) or higher is required in all courses.

Students are expected to have completed prerequisite courses including SPA 313 and SPA 314 or SPA 315 and SPA 316 as well as ENG 301 or SPA 412. However, ENG 301 or SPA 412 may be completed in the early semesters after admission to the program.

Required Course -- 3 credit hours
SLC 401: Translation Theory and Practice (3)

Required Applied Translation Courses -- 9 credit hours
SLC 481: Technical and Scientific Translation (3)
SLC 482: Business and Financial Translation (3)
SLC 485: Translation of Legal Texts or SLC 486: Medical Translation (3)
Only one applied translation course is taught in any semester. Each course is only offered once in any two-year period. Students should consult with an academic advisor in the School of International Letters and Cultures and plan their studies accordingly.

Internship Requirement -- 3 credit hours
SLC 484: Internship (3)
Students must complete all required courses before enrolling for an internship. Students must complete 135 on-site internship hours to earn three credit hours in SLC 484.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Since entry into the field of professional translation is gained through work, cultural experience and examination, the entrance requirements to this certificate program include a written proficiency examination in both the source and receptor languages at the level of completion of an advanced composition course in Spanish (SPA 412) and English (ENG 301).

Extensive work experience using Spanish and English or demonstrated bilingual writing competence in English and Spanish is also required.

Students should contact an academic advisor in the school for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/translation
LL 440
silcadvising@asu.edu

\section*{Wildlife Management Certificate (LSWLMCERT)}

Campus: Polytechnic

\section*{Description:}

The undergraduate wildlife management certificate program is for students at ASU interested in biology, conservation, sustainability and management of natural resources. The certificate provides students with professional credentials to qualify for many positions offered by state (e.g., Arizona Game and Fish Department) and federal agencies (e.g., U.S. Forest Service, U.S. Geological Survey, U.S. Bureau of Land Management). The certificate will provide students with application-based and hands-on experience in the field and allow them to engage with wildlife professionals. The certificate may give a hiring edge to those in the growing field of environmental careers in agencies and nongovernment organizations.

\section*{Program Requirements:}

This certificate requires 22 credit hours.

Required Courses -- 13 credit hours
ABS 274: Introduction to Wildlife Management (4)
ABS 376: Wildlife Ecology (3)
ABS 475: Habitat Management for Small Wildlife (3)
ABS 476: Big Game Habitat Management (3)

Elective Courses -- 9 credit hours
ABS 377: International Wildlife Conservation (3)
ABS 380: Restoration and Wildlife Plants (3)
ABS 470: Life History of Mammals (3)
ABS 472: Applied Herpetology (3)
ABS 473: Applied Ornithology (3)

A "C" (2.00 on a 4.00 scale) or better is required in each course.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Students interested in pursing the certificate should speak with an academic advisor in the College of Integrative Sciences and Arts.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISA@asu.edu
480-727-1526
Women and Gender Studies Certificate (ASWSTCERT)
Campus: West

\section*{Description:}

The certificate program in women and gender studies examines the changing political, social, economic and cultural realities of racial, ethnic and indigenous communities in the United States and the Americas. The program combines interdisciplinary topics and methods to critically analyze, unpack and address how relations of gender are embedded in and connected to social, political and cultural transformations. The intellectual core draws from theories, methods and teachings in women and gender studies while engaging complementary fields of social justice, cultural studies, sexuality studies, queer studies, literature, history, sociology, psychology, oral history, ethnicity, race and indigenous studies, and transnational studies. This certificate will prepare students for graduate study or a variety of fields including business, health care, criminal justice, social services, education, public relations, nonprofits, community development, public policy and government.

\section*{Program Requirements:}

The certificate in women and gender studies consists of 18 credit hours. A minimum of 12 credit hours must be upper division. Courses should be chosen in consultation with an academic advisor prior to enrollment. All courses used to satisfy requirements for the minor must be passed with a "C" (2.00) or better.

Core Requirements -- 6 credit hours
HRC 200: Introduction to Social and Cultural Analysis (SB \& C) (3)
WST 100: Women, Gender, and Society (SB \& C) or WST 300: Women and Gender in Contemporary Society (SB \& C) (3)

Electives (chosen from the following) -- 12 credit hours
ENG 454: Gender and Literature (L or HU) (3)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H) (3)
WST 300: Women and Gender in Contemporary Society (SB \& C) (3)
WST 333: Critical Perspectives on Sexuality (SB \& C) (3)
WST 341: Latin American Women Writers (3)
WST 370: Chronicling Women's Lives (HU \& C) (3)
WST 376: Feminist Theory (H \& C) (3)
WST 380: Race, Gender, and Class (SB \& C) (3)
WST 385: Psychology of Gender (SB) (3)
WST 390 / REL 390: Women, Gender and Religion (HU \& G) (3)
WST 430: Gender on the Borderlands (SB \& G) (3)
WST 449: Hate Speech, Manifestos, and Radical Writings (SB \& C) (3)
WST 473: Indigenous and Latina/Chicana Representation (SB \& C) (3)
WST 485: Women, Gender, and Leadership (SB \& C) (3)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and the required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/women-and-gender-studies-certificate
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Women and Gender Studies Certificate (LAWSTCERT)}

Campus: Tempe

\section*{Description:}

Women and gender studies, in the School of Social Transformation, offers students an intensive, liberal arts approach to education that enables students to write well, think critically and analyze problems effectively. The certificate program provides a transdisciplinary alternative to a minor.

\section*{Program Requirements:}

The women and gender studies certificate requires a minimum of 18 credit hours, at least 12 of which must be completed at the upper-division level. Each course must be completed with a a grade of "C" (2.00 on a 4.00 scale) or higher.

Required Courses (Choose one) -- 3 credit hours
WST 100: Women, Gender, and Society (SB \& C) (3)
WST 300: Women and Gender in Contemporary Society (SB \& C) (3)

Elective Core Course (Choose one) -- 3 credit hours
WST 378: Global Feminist Theory (L \& G) (3)
WST 377: History of American Feminist Thought (H \& C) (3)

Electives -- 12 credit hours
WST Elective (3)
WST Upper Division Elective (9)
WST 100 and WST 300 cannot be used to fulfill the elective requirement.

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/content/women-and-gender-studies-certificate
WILSN 125
SSTadvising@asu.edu
480-965-7682

\section*{Working with Military Families Certificate (LAWWMFCERT)}

Campus: Tempe

\section*{Description:}

Important complexities surround the dynamics of military families. Military personnel, veterans and their families face unique issues and challenges such as navigating military culture and dealing with multiple deployments, trauma and death. Students interested in careers focusing on these families have a need to understand normative family processes, stress and coping, and military culture and leadership. Students enrolled in the program, offered by the Sanford School and ROTC, will take a unique combination of courses as well as military leadership. Students who complete the certificate program will be conversant with human development, marital and familial relationships, and family dynamics in the context of military culture.

\section*{Program Requirements:}

The certificate requires 18 credit hours. At least 12 credit hours must be completed at the upper-division level and a grade of " C " ( 2.00 on a 4.00 scale) or higher is required in all courses.

Required Courses -- 15 credit hours
CDE 232: Human Development (SB) (3)
FAS 101: Personal Growth in Human Relationships (SB) (3)
FAS 331: Marriage and Family Relationships (SB) (3)
FAS 410: Military Family Systems in a Democracy (3)
MIS 301: Training Management and the Warfighting Functions (L) or AES 301: Air Force Leadership Studies I (L) (3)
Students completing MIS 301 instead of AES 301 will complete 16 hours of required course work in this section.

Internship Requirement -- 3 credit hours
FAS 484: Internship (3)

Students are required to complete a capstone internship project that includes a field work experience, a written integrative paper and an oral presentation.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

Students in related majors can apply for the certificate through the T. Denny Sanford School of Social and Family Dynamics. Admission will be determined by the admission committee. A student must have a minimum GPA of 3.00 (on a 4.00 scale) in order to be considered for admission to the certificate.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/
COWDN 128
email@thesanfordschool.org
480-965-6978

\section*{Writing (Liberal Arts and Sciences) Certificate (LAENGCERT) \\ Campus: Tempe}

\section*{Description:}

The writing certificate program provides advanced writing instruction for students in any major. Students in the program gain practical skills in effective communication and enhance their ability to create, structure and present information in a variety of contexts.

ASU's Department of English in the College of Liberal Arts and Sciences has an extensive internship program, with opportunities for placements in publishing, media and marketing, government, teaching English as a second language, nonprofits, and film festivals. English also boasts top online programs, rigorous undergraduate research opportunities and options for cultural and community involvement.

\section*{Program Requirements:}

The writing certificate program consists of 19 credit hours, at least 12 of which must be completed at the upper-division level. A minimum of six upper-division credit hours must be courses offered by the Department of English in the College of Liberal Arts and Sciences. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Required Courses -- 16 credit hours
ENG 216: Persuasive Writing on Public Issues (L) or ENG 301: Writing for the Professions (L) (3)
ENG 372: Document Production (L) (3)
ENG 412: Creative Nonfiction (3)
ENG 472: Rhetorical Studies (L) (3)
ENG 484: Writing Certificate Internship (3)
ENG 498: Writing Certificate Portfolio (L) (1)

Writing or Design Elective (choose one) -- 3 credit hours
Students choose one additional writing course in English or Design selected from the following list of approved courses:
ENG 215: Strategies of Academic Writing (L) (3)
ENG 216: Persuasive Writing on Public Issues (L) (3)
ENG 310: Intermediate Creative Writing (3)
ENG 311: Persuasive Writing (L) (3)
ENG 374: Technical Editing (3)
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)
ENG 391: Writing in Context (3)
ENG 474: Review Writing (3)
ENG 475: Popular Periodical Writing (L) (3)
TWC Upper Division Elective (3)

All students are required to submit a portfolio before receiving the certificate.
Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

Application to the program requires a minimum GPA of 3.00 (scale is \(4.00=\) "A") in ENG 101 and ENG 102, ENG 105, or ENG 107 and ENG 108.

Students must also have completed at least 30 hours of coursework and must have a minimum cumulative GPA of 3.00 (scale is \(4.00=\) " A "). Students should contact the department for more information.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/node/254
RBH 170
englishadvising@asu.edu
480-965-3168

\section*{Writing (New College) Certificate (ASWRTCERT)}

Campus: West

\section*{Description:}

The certificate in writing offered by the New College of Interdisciplinary Arts and Sciences at the West campus is a valuable program for students in any discipline. The ability to communicate clearly, directly and effectively is a key to advancement in all careers. Certification of advanced writing skills opens the way to a vast array of opportunities, from journalism and publishing to public advocacy, military and government careers, elementary and secondary education, business management, economic development, law, nonprofits and high-tech industry.

The certificate offers five track options (creative writing, generalist, nonfiction writing, professional and technical writing, and publishing and editing) and students can tailor the certificate to their individual interests and career goals. The certificate includes intensive coursework that culminates in an exit portfolio, a collection of work that demonstrates the writing skills mastered by each student.

\section*{Program Requirements:}

The writing certificate consists of 19 credit hours, 13 of which must be upper division. Requirements include 18 credit hours of track courses, chosen in consultation with the faculty certificate coordinator, as well as a writing portfolio (AMS 490, one credit hour). Students must complete a minimum of six upper division credit hours offered by the School of Humanities, Arts, and Cultural Studies and must complete a minimum of 12 credit hours at ASU. Six to nine credit hours may be shared between certificate and major requirements upon approval. All courses used to satisfy the requirements for the certificate must be passed with a "B" (3.00) or better.

Track Requirements (minimum 12 upper-division) -- 18 credit hours

Creative Writing Track
ENG 210: Introduction to Creative Writing (3)
ENG 217: Writing Reflective Essays (L) (3)
ENG 287: Beginning Creative Writing Workshop in Poetry (3)
ENG 288: Beginning Creative Writing Workshop in Fiction (3)
ENG 307: Writing Science Fiction (3)
ENG 310: Intermediate Creative Writing (3)
ENG 317: Cross-Cultural Writing ((L or HU) \& G) (3)
ENG 344: Intermediate Family History Research (3)
ENG 361: Scriptwriting (3)
ENG 368: Art of the Personal Essay (L) (3)
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)
ENG 394: Comedy Writing (3)
ENG 410: Writing for Publication (3)
ENG 411: Advanced Creative Writing (3)
ENG 412: Creative Nonfiction (3)
ENG 494: Canyon Voices (3)
ENG 499: Individualized Instruction (3)

Generalist Track
ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)
ENG 210: Introduction to Creative Writing (3)
ENG 216: Persuasive Writing on Public Issues (L) (3)

ENG 217: Writing Reflective Essays (L) (3)
ENG 287: Beginning Creative Writing Workshop in Poetry (3)
ENG 288: Beginning Creative Writing Workshop in Fiction (3)
ENG 301: Writing for the Professions (L) (3)
ENG 302: Business Writing (L) (3)
ENG 307: Writing Science Fiction (3)
ENG 310: Intermediate Creative Writing (3)
ENG 311: Persuasive Writing (L) (3)
ENG 314: Modern Grammar (3)
ENG 317: Cross-Cultural Writing ( \((\mathrm{L}\) or HU\()\) \& G\()(3)\)
ENG 323: Rhetoric and Grammar (L) (3)
ENG 344: Intermediate Family History Research (3)
ENG 361: Scriptwriting (3)
ENG 368: Art of the Personal Essay (L) (3)
ENG 372: Document Production (L) (3)
ENG 373: Publishing in Literary Magazines (3)
ENG 374: Technical Editing (3)
ENG 376: Writing a Personal History (L) (3)
ENG 377: Editing Family History for Public Audiences (L) (3)
ENG 378: Environmental Creative Nonfiction (L or HU) (3)
ENG 379: Travel Writing (L) (3)
ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice (3)
ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice (3)
ENG 394: Comedy Writing (3)
ENG 394: Superstition Review Training (3)
ENG 394: Writing the Memoir (3)
ENG 410: Writing for Publication (3)
ENG 411: Advanced Creative Writing (3)
ENG 412: Creative Nonfiction (3)
ENG 484: Superstition Review Internship (3)
ENG 484: The Pen Project (3)
ENG 494: Canyon Voices (3)
ENG 499: Individualized Instruction (3)
Nonfiction Writing Track
ENG 217: Writing Reflective Essays (L) (3)
ENG 317: Cross-Cultural Writing ( \((\mathrm{L}\) or HU) \& G) (3)
ENG 368: Art of the Personal Essay (L) (3)
ENG 376: Writing a Personal History (L) (3)
ENG 378: Environmental Creative Nonfiction (L or HU) (3)
ENG 379: Travel Writing (L) (3)
ENG 394: Writing the Memoir (3)
ENG 410: Writing for Publication (3)
ENG 412: Creative Nonfiction (3)
ENG 494: Canyon Voices (3)
ENG 499: Individualized Instruction (3)

Professional and Technical Writing Track
ENG 205: Introduction to Writing, Rhetorics and Literacies (L) (3)
ENG 216: Persuasive Writing on Public Issues (L) (3)
ENG 301: Writing for the Professions (L) (3)
ENG 302: Business Writing (L) (3)
ENG 311: Persuasive Writing (L) (3)
ENG 317: Cross-Cultural Writing ((L or HU) \& G) (3)
ENG 323: Rhetoric and Grammar (L) (3)
ENG 372: Document Production (L) (3)
ENG 374: Technical Editing (3)
ENG 410: Writing for Publication (3)
ENG 494: Canyon Voices (3)
ENG 499: Individualized Instruction (3)
Publishing and Editing Track
ENG 314: Modern Grammar (3)
ENG 323: Rhetoric and Grammar (L) (3)

ENG 372: Document Production (L) (3)
ENG 373: Publishing in Literary Magazines (3)
ENG 374: Technical Editing (3)
ENG 377: Editing Family History for Public Audiences (L) (3)
ENG 394: Superstition Review Training (3)
ENG 410: Writing for Publication (3)
ENG 484: Superstition Review Internship (3)
ENG 484: The Pen Project (3)
ENG 494: Canyon Voices (3)
ENG 499: Individualized Instruction (3)

Writing Portfolio -- 1 credit hours
AMS 490: Writing Certificate Portfolio (1)

Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete the requirements of this certificate.

\section*{Enrollment Requirements:}

The certificate in writing is open to all ASU undergraduate majors. To gain admission to the program, students must demonstrate fundamental writing skills through the completion of English composition. Students are required to submit an application, which includes at least three samples of writing from lower-division courses or independent writing projects. Applications must be submitted at least two months before the start of the semester they anticipate being admitted. Students wishing to pursue this certificate should consult an academic advisor in the School of Humanities, Arts and Cultural Studies to ensure the appropriate set of courses is taken and all required paperwork is submitted.

A student pursuing an undergraduate certificate must be enrolled as a degree-seeking student at ASU. Undergraduate certificates are not awarded prior to the award of an undergraduate degree. A student already holding an undergraduate degree may pursue an undergraduate certificate as a nondegree-seeking graduate student.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of School of Humanities, Arts, and Cultural Studies https://newcollege.asu.edu/writing-new-college-certificate
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Undergraduate Programs}

\section*{Undergraduate Degrees (Program Descriptions)}

\author{
Business, W. P. Carey School of
}

\section*{Accountancy, BS (BAACCBS)}

Campus: Tempe, West

\section*{Program Description:}

The School of Accountancy's undergraduate BS program in accountancy offers two tracks during the senior year. The accounting track is followed by most students and is designed to provide a rich educational experience. The accounting master's internship is the track designed for the most highly qualified students who wish to commit to the MAcc or MTax program during the second semester of the junior year.

The internship provides a particularly rich and individualized educational experience during the senior year. It includes a number of distinct advantages for students: a full-time paid internship for credit with a participating accountancy firm, early consideration for scholarships, and possible eligibility for a GMAT waiver and a graduate application fee waiver for the MAcc or MTax program (eligibility is determined by the GPA at the time of application).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Taxation, MTax
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshmen admission requirements: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is \(4.00=\) " A ").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a cumulative ASU GPA of 3.00.

Transfer Admission Requirements
Transfer admission requirements ( 30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside W. P. Carey School of Business
major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

\section*{Change of Major Requirements:}

Students should visit the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS website: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The major in accountancy includes the essential academic preparation for students who are:
- planning to pursue a graduate degree or attend law school
- pursuing professional careers in public, corporate and governmental accounting
- seeking positions in consulting or are planning to operate a business
- seeking positions in personal financial planning and portfolio analysis

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2010-2011) states, "Employment of accountants and auditors is expected to grow by 22 percent between 2008 and 2018, which is much faster than the average for all occupations. Job opportunities should be favorable; accountants and auditors who have a professional certification, especially CPAs, should have the best prospects."

\section*{Contact Information:}

Business, W. P. Carey School of
School of Accountancy
https://wpcarey.asu.edu/undergraduate-degrees/accounting
BA 223Q
wpcareyacc@asu.edu
480-965-3631

\section*{Agribusiness (Global Agribusiness), BS (AGAGBGABS)}

Campus: Polytechnic

\section*{Program Description:}

The agribusiness industry is increasingly competitive, sophisticated and global, driving demand for innovative leaders who understand the industry's unique challenges and practices. The programs offered through the highly respected Morrison School of Agribusiness and Resource Management prepares graduates for success in graduate school or a wide range of careers.

The BS in agribusiness teaches students the business of agricultural production, finance, marketing and distribution. Through a technology-rich curriculum that focuses on real-world projects, students explore global agribusiness issues such as international trade, food safety and sustainability.

The concentration in global agribusiness is an applied, industry-oriented curriculum. This concentration is specifically designed to meet the needs of the students interested in studying the business aspects of agriculture in the domestic and global economy. Students learn to analyze and manage issues involved in food manufacturing, input and output supply activities, commodity trading and food distribution.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

\section*{Change of Major Requirements:}

This program has been discontinued and is therefore not an eligible option in which to change majors.

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Accounting for more than 50 percent of the global economy and employing 25 percent of Americans, agribusiness brings food from the farm to the global table. Possible career paths include:
- finance and technical positions with private agribusiness firms and governmental agencies
- management
- marketing
- veterinary medicine

\section*{Contact Information:}

Business, W. P. Carey School of
Morrison School of Agribusiness
https://wpcarey.asu.edu/undergraduate-degrees
SANTN 230
wpcareyug@asu.edu
480-727-5183

\section*{Business, BA (BABUSBA)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BA program in business provides an innovative, transdisciplinary approach to learning, which broadens career options upon graduation. Not only do students acquire a strong grounding in the principles of business, they also immerse themselves in coursework outside the business school, supplementing the business degree.

Students in the program learn how to apply core business knowledge in one of the following disciplines:
- agribusiness (global agribusiness)
- business administration
- Chinese language and culture
communication
- food industry management
- global leadership
- global logistics management
- global politics
- human resources
- law
- public service and public policy
- retail management
- Spanish language and culture
- sports and media studies
- statistics
- sustainability
technology
- tourism

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

\section*{Change of Major Requirements:}

Students cannot change their major to this degree program. Students should visit Advising SOS, https://wpcarey.asu.edu/sos (https://wpcarey.asu.edu/sos), to declare a W. P. Carey business concentration.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students in this bachelor's degree program will graduate from one of many concentrations in the W. P. Carey School of Business, and they should see those concentrations for career opportunities.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Business (Business Administration), BA (BABUSBABA)}

Campus: Polytechnic, West, Lake Havasu, Online

\section*{Program Description:}

The business administration concentration is focused on a breadth of knowledge and skills needed for managing business operations. The degree provides the full business core plus a concentration with 18 hours of coursework focused on skills such as forecasting demand, planning inventory, purchasing services, conducting skillful negotiations, building strategies for the future and managing people, finances and risk.

\author{
Additional Program Fee: Y \\ Second Language Requirement: N \\ First Required Math Course: MAT 210 - Brief Calculus \\ Program Math Intensity: Moderate
}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to the W. P. Carey School of Business will be contacted to select an appropriate major.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-bachelor-arts-business-concentration-business)

\section*{Change of Major Requirements:}

Students should visit the following W. P. Carey website, https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors), to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising
SOS,https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

\section*{Transfer from an Arizona Community College:}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree in business with a concentration in business administration will prepare students to work in a wide range of industries through their broad skill set in managing processes and people. Below are several anticipated career opportunities for students completing the concentration in business administration.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Business (Chinese Language and Culture), BA (BABUSCLBA)}

Campus: Tempe

\section*{Program Description:}

The mission of the concentration in Chinese language and culture within the BA in business degree program is to create global business professionals who can function culturally and linguistically in the business environment in China and domestically. As China becomes an increasingly important participant in the global economy and as the manufacturing and financial sectors become more globalized, the need for business professionals skilled in communicating in the Chinese language is growing. Through a network of 26 flagship programs at 22 institutions of higher education across the U.S., the language flagship graduates students who will take their place among the next generation of global professionals, commanding a superior level of proficiency in languages critical to U.S. national security and economic competitiveness. This program will prepare participants to function professionally in Chinese within diverse business fields.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice are prompted in My ASU to select a new major.

\section*{Change of Major Requirements:}

Students should visit the following W. P. Carey website, https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors) to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS, https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This degree program provides students with fundamental business skills, linguistic training, critical thinking and the intercultural competencies required to work in the increasingly globalized world markets that now rely on trade and commerce with China. Graduates of this program will be equipped to play a key role in companies and organizations seeking out new markets or dealing with international interests in the U.S. and will be suited to the demands of small business enterprises as well as multinational companies. Currently, there are demands for Mandarin-speaking business professionals in the hotel and tourism industry and in the consulting, banking and finance, international trade, sports management and media fields.

\section*{Contact Information:}

\author{
Business, W. P. Carey School of
}

Dean, W.P. Carey School of Business
https://students.wpcarey.asu.edu/chinese-language-and-culture-advising
BA 160
wpcareyug@asu.edu
480-965-4227
Business (Communication), BA (BABUSCBA)
Campus: Polytechnic, Tempe, West, Lake Havasu, Online

\section*{Program Description:}

The BA in business with a concentration in communication is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and communication play an important role in ensuring success. Students in this program complete rigorous courses within the communication concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors. Graduates have specific knowledge of business practices and the capacity to effectively communicate complex business information.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-concentration-communication?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

Students should visit the following W. P. Carey website, https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors), to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS,https://wpcarey.asu.edu/so (https://wpcarey.asu.edu/sos)s.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Transfer from an Arizona Community College:
Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:
California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Business communication has exploded as a distinct professional field as companies require rapid and considered responses, from conveying ordinary information to crisis communications. Historically, these positions have been staffed with people trained in communication, English, journalism or other fields but who lack specific business knowledge. Graduates of this program will be qualified to enter these positions with knowledge that will be immediately useful to potential employers while advancing their careers.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/communication
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Business (Corporate Accounting), BA (BABUSCABA) \\ Campus: Online}

\section*{Program Description:}

The BA in business with a concentration in corporate accounting addresses the educational needs of many students who have an interest in accounting but no plans to enter public accounting. The emphasis of this program is managerial accounting. The six major courses in the concentration prepare students for corporate accounting positions by helping students develop skills in strategic financial planning, control, corporate compliance and decision-making. Upon completion of the program, students may take the Certified Management Accountant exam.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)
Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

This program is not available to students with BA, BS or MS degrees in accountancy.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer credit hours who are not admissible to the College of Integrative Sciences and Arts will be contacted to select an appropriate major.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/business-corporate-accounting-ba)

\section*{Change of Major Requirements:}

Students should visit the following W. P. Carey website, https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors), to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS, https://wpcarey.asu.edu/sos (https://wpcarey.asu.edu/sos). This program is not available to students who already hold a BA, BS or MS degree in accountancy.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

\section*{Transfer from an Arizona Community College:}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are generally substantive and in high demand. Senior management roles for corporate accountants include chief financial officer positions. Currently, more than half the CFOs at larger corporations have formal accounting training. Projecting into the future, the longer term trend is for CFOs to have extensive corporate accounting training, particularly since CFOs at public U.S. corporations personally sign the financial statements.

Typical early to mid-career positions held by corporate accountants include controllers, treasurers and vice presidents in areas like financial planning, divisional controlling, cost accounting directing, senior financial analysis and senior accounting. These positions typically report to the CFO.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Business (Food Industry Management), BA (BABUSFIMBA)}

Campus: Polytechnic, Online

\section*{Program Description:}

The food industry management program is unique and has been developed in close coordination with partners in the food industry to help ensure graduates have the knowledge and skills needed to become immediate leaders in the industry. Students combine core courses in other business disciplines (finance, marketing, management, accounting, supply chain management and economics) with upper-division courses specific to the food industry.

\section*{Additional Program Fee: Y}

Second Language Requirement: \(N\)
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-food-industry-management?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

Students should visit the following W. P. Carey website, https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors), to determine if they meet change of major requirements. Students ready to change their major should submit their request through Advising SOS, https://wpcarey.asu.edu/sos (https://wpcarey.asu.edu/sos).

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The BA program in business with a concentration in food industry management prepares students for business careers in the food industry, which is defined as the group of firms and organizations involved with manufacturing, marketing and distributing food beyond the farm to retail stores, restaurants and institutions such as schools and hospitals. The industry is becoming increasingly competitive, sophisticated and global and shows a growing demand for professional management as one in six people are employed in the food industry nationwide, with 100,000 in Arizona.

\section*{Contact Information:}

Business, W. P. Carey School of
Morrison School of Agribusiness

\section*{Business (Global Agribusiness), BA (BABUSGAGBA)}

Campus: Polytechnic

\section*{Program Description:}

The agribusiness industry is increasingly competitive, sophisticated and global, driving demand for innovative leaders who understand the industry's unique challenges and practices. The BA in business with a concentration in global agribusiness teaches students the business of agricultural production, finance, marketing and distribution. Through a technology-rich curriculum that focuses on real-world projects, students explore global agribusiness issues such as international trade, food safety and sustainability. The concentration is an applied, industry-oriented curriculum. It is specifically designed to meet the needs of students interested in studying the business aspects of agriculture in the domestic and global economy. Students learn to analyze and manage issues involved in food manufacturing, input and output supply activities, commodity trading and food distribution.

Additional Program Fee: \(Y\)
Second Language Requirement: N
First Required Math Course:
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Environmental and Resource Management, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

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see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Accounting for more than 50 percent of the global economy and employing 25 percent of Americans, agribusiness brings food from the farm to the global table. Possible career paths include:
- finance
- management
- marketing
- technical positions with private agribusiness firms and governmental agencies

\section*{Contact Information:}

Business, W. P. Carey School of
Morrison School of Agribusiness
https://wpcarey.asu.edu/undergraduate-degrees
SANTN 230
wpcareyug@asu.edu
480-727-5183

\section*{Business (Global Leadership), BA (BABUSGBA)}

Campus: Online

\section*{Program Description:}

The BA program in business with a concentration in global leadership prepares students for careers in the global business environment by developing strong business skills through global studies courses from a variety of regions around the world. Students also may choose to participate in an international study experience in a variety of countries around the globe.

\section*{Second Language Requirement: N}

First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-global-leadership?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)

Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A degree that incorporates solid business skills and global studies will help prepare students for employment in the global business world. Opportunities exist for qualified students to work either domestically or internationally in an international organization. This degree program augments business and leadership skills necessary in most corporations.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Business (Global Logistics Management), BA (BABUSGLBA)}

Campus: West, Online

\section*{Program Description:}

Logistics management focuses on integration and partnerships necessary to meet customer needs on a timely basis, with relevant and high-quality products produced and delivered in a service-effective manner. This BA program in business with a concentration in global logistics management trains students to be strategic thinkers, excellent analysts, effective communicators and team leaders who are focused on efficiency, effectiveness and increasing revenue.

An efficient logistics management system is critical to the success of global corporations, making sure the supply of goods and services flowing through the system closely matches the demand. Logistics management professionals manage, coordinate and transport products from raw materials to the finished goods sitting on a local store shelf or offered by an online retailer. Efficient logistics is a key reason consumers can buy an ever-increasing variety of goods and services at remarkably low prices. Not surprisingly, logistics also plays a major role in the health care industry where efficient, effective delivery systems are gaining significant traction.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with International Trade, BS

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Concurrent degree admission requirements:

Students interested in the international trade and business (global logistics management) program must meet general university admission requirements.

\section*{Transfer Admission Requirements}

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Transfer students must have a 3.00 cumulative transfer GPA and a 3.00 cumulative ASU GPA (if applicable) in addition to meeting the general admission requirements in order to be admitted to this program. If the student does not meet the admission requirements for the concurrent program, they will be placed in the BS in international trade.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-global-logistics-management?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

\section*{Transfer from an Arizona Community College:}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)

Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Logistics management professionals hold a range of job titles and engage in a wide variety of activities in the private, nonprofit and governmental sectors. Apple and Walmart CEOs previously held logistics-related positions at those organizations. This demonstrates the high value of leaders who understand the importance logistics adds to enterprise success.

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Supply Chain Management
https://wpcarey.asu.edu/undergraduate-degrees
FAB N101
wpcareyug@asu.edu
480-965-6044

\section*{Business (Global Politics), BA (BABUSGPBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in business with a concentration in global politics incorporates solid business skills and global understanding in order to prepare students to realize and analyze the relationship between business and social science. Students in this program complete the rigorous courses within the global politics concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students completing the global politics concentration think critically about global problems and integrate inquiry and action in order to become responsible leaders. These students are prepared to successfully launch careers in many fields including:
- campaign and issue management
- information analysis
- public relations

\section*{Contact Information:}

Business, W. P. Carey School of Dean, W.P. Carey School of Business https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu

\section*{Business (Health Care), BA (BABUSHCBA)}

Campus: West

\section*{Program Description:}

The BA program in business with a concentration in health care prepares students to operate within the challenging and dynamic health care industry by helping them develop skills and acquire knowledge through one of its five specialized tracks --- health care analytics, communication, coordination, innovation and delivery. Students graduating from the program go on to pursue careers in health care management and leadership by developing an ability to understand different stakeholders in these often-complex environments.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer coursework and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer credit hours who are not admissible to the College of Integrative Sciences and Arts will be contacted to select an appropriate major.

\section*{Change of Major Requirements:}

A current ASU student, in a major outside of business, must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA to change a major to this W. P. Carey program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This program provides students with core business skills such as computer information systems, accounting, basic economic theory, finance, management, marketing and supply chain management as well as in-depth knowledge in relation to the business of health care. This prepares students for careers in the public or private health care setting related to health care management, administration, access, analytics and policy setting.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees/admission-requirements
FAB N101
wpcadmissions@asu.edu
602-543-6200

\section*{Business (Human Resources), BA (BABUSHRBA)}

Campus: Polytechnic

\section*{Program Description:}

The BA in business with a concentration in human resources incorporates solid business and human resource skills. The program involves both theoretical and applied concepts with a focus on practical and applied aspects of human resources. This degree is applicable to any business or governmental organization, as all have a need to manage their personnel services.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.
Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

The bachelor's degree in business with a concentration in human resources has been designed to provide students with a comprehensive skill set that allows them to move into any business, industry or governmental organization and have the knowledge, skills and abilities to perform necessary human resource tasks. There is growing demand for human resources professionals to handle issues like corporate social responsibility and ethics, sustainability, workplace diversity and inclusion, and labor relations.

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Management and Entrepreneurship
https://wpcarey.asu.edu/undergraduate-degrees
SANTN 230
wpcareyug@asu.edu
480-727-5183

\section*{Business (Information Security), BA (BABUSISBA)}

Campus: West

\section*{Program Description:}

Data security has become an everyday part of business operations. Protecting key stakeholders and clients is an essential aspect for businesses of all sizes and types. The BA degree program in business with a concentration in information security provides students with core business skills as well as basic critical and technical skills necessary to understand cyber threats, security and prevention in the business setting.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210-Brief CalculusMAT 211
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements
Transfer applicants must have a 3.00 GPA for all transfer work and must meet university transfer admission requirements. Transfer students should select an additional major, which must be outside the W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer credit hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the College of Integrative Sciences and Arts.

\section*{Change of Major Requirements:}

A current ASU student, outside of business, must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA to change a major to this W. P. Carey program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This is an ideal degree for students interested in anything from small business start-ups to management of large cybersecurity companies. The degree program prepares those who are interested in managing digital business, working in organizations that predominantly conduct business online, and developing basic information security technical competency relevant for most organizations.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees/admission-requirements
FAB N101
wpcadmissions@asu.edu
602-543-6200

\section*{Business (Law), BA (BABUSLBA)}

Campus: Tempe

\section*{Program Description:}

The BA in business with a concentration in law is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and law play an important role in ensuring success. Coupled with a strong business background, the law concentration gives students a systematic framework for analyzing real-world legal regulation and corresponding business risks and liabilities. Students in this program complete rigorous courses within the law concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

\section*{Transfer from an Arizona Community College}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:
California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The law concentration is designed to expose students who will pursue careers in the business world to aspects of law and legal issues relevant to their career goals. Graduates of this program are prepared to use their skills in a variety of industries ranging from new business ventures to corporate or agency compliance.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Business (Public Service and Public Policy), BA (BABUSPBA) \\ Campus: Tempe}

\section*{Program Description:}

The BA program in business with a concentration in public service and public policy prepares students for work in public, nonprofit and private sectors, through comprehensive coverage of topics in public policy and public administration. Students become familiar with leading a public organization and the process of policy development. They also examine the public sector through multiple lenses and address its challenges in a practical way.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https:///students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)
Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.
Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

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\section*{Change of Major Requirements:}

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\section*{Transfer Agreements:}

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

There is an increase in job opportunities in the public sector for graduates due to retiring workers and an increasing demand for public services. The degree program prepares students for work in public, nonprofit and private sectors through comprehensive coverage of topics in public policy and public administration.

The program also offers preparation for students who wish to pursue graduate degrees in:

\footnotetext{
- law
- nonprofit administration or other public service
- policy-oriented areas
- public administration
- public policy
}

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160

\section*{Business (Retail Management), BA (BABUSRBA)}

Campus: Online

\section*{Program Description:}

The BA program in business with a concentration in retail management provides a business curriculum focused on the knowledge and skills needed for leadership roles in the retail industry. The program provides the full business core plus 18 credit hours of retail-specific coursework. The degree program has been developed in collaboration with faculty and industry professionals to provide a curriculum responsive to industry needs.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements.

Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-retail-management?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree program in business with a concentration in retail management prepares students to work in the retail industry. Drawing on coursework from four areas in the concentration that provide them with the broad preparation and leadership skills required today, graduates will be ready to assume positions of responsibility in the retail industry. Below are several anticipated career opportunities for students completing this program.
- administrative services manager
- business manager
- food service manager
- general and operations management
- management analyst
- operations specialist
- purchasing or buying manager
- sales manager
- training and development manager
- wholesale and manufacturing representative

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Business (Spanish Language and Culture), BA (BABUSSLBA)}

Campus: Tempe, West

\section*{Program Description:}

The BA in business with a concentration in Spanish language and culture is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and communication play an important role in ensuring success. The program mission is to create global business professionals who can function culturally and linguistically in the business environment in both Latin America and the domestic market. Students complete rigorous courses within the Spanish language in addition to the skill and core courses required of all W. P. Carey School of Business majors.

\author{
Additional Program Fee: \(Y\) \\ Second Language Requirement: Yes \\ First Required Math Course: MAT 210 - Brief Calculus \\ Program Math Intensity: Moderate
}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

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\section*{Change of Major Requirements:}

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\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)

Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students who successfully complete this program are equipped to play a key role in companies and organizations seeking new markets or dealing with international interests in the U.S. Graduates are suited to the demands of small-business enterprises as well as multinational companies. Currently, there is a demand for Spanish-speaking business professionals in the hotel and tourism industry and in consulting, banking and finance, international trade, sports management and media. Additionally, businesses of all types, especially locally, are actively recruiting bilingual applicants.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Business (Sports Business), BA (BABUSMSBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in business with a concentration in sports business is attractive to students with an interest in the sports industry. This concentration has been planned to provide students the necessary skills to build knowledge and understanding of the development of the strategic business process in sports organizations and its relationship to media. The proliferation of mass communication (including television, game systems and social networks) has transformed sports into a highly commercialized industry and, in turn, sports continue to generate revenues for these businesses. The interaction between sports and media has led to a multitude of applications of business knowledge to these fields. The sports business program offers a strong focus on applied elements of the sports industry, especially as it relates to media and its impact on the industry.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

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https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Coconino Community College(https://transfer.asu.edu/tag)
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Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

Career opportunities for students in this degree program could include jobs with titles such as:
- administrative service manager
- advertising and sponsorship salesperson
- agent
- business manager
- event planner
- management analyst
- operations specialist
- purchasing or buying manager
- wholesale and manufacturing representative

Students in this concentration will find opportunities in mass communication, including television, game systems and social networks. The interaction between sports and media has led to a multitude of applications of business knowledge to these fields.

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees
BAC 460
wpcareyug@asu.edu
480-965-3621

\section*{Business (Statistics), BA (BABUSTABA)}

\section*{Campus: West}

\section*{Program Description:}

The BA program in business with a concentration in statistics is designed for students interested in a degree that helps them develop solid business skills with an emphasis in mathematics and statistics. The program involves theoretical and applied statistics with a focus on practical and applied aspects of statistics.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

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\section*{Change of Major Requirements:}

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\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Coconino Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program are prepared to move into business or governmental positions, using statistics to help make decisions and solve problems. They find positions such as:
- financial analysts
- market and survey researchers
- personal financial advisors
- statisticians

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
FAB N101
wpcareyug@asu.edu
602-543-6200

\section*{Business (Sustainability), BA (BABUSSBA)}

Campus: Polytechnic, Tempe, West, Online

\section*{Program Description:}

The BA degree program in business with a concentration in sustainability is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and sustainability play important roles in ensuring success. Finding ways to grow and prosper while reducing the stress on the global environment is a critical issue facing today's society. Combining the latest trends in business with cutting-edge knowledge of sustainability prepares graduates to excel in career areas that will dramatically increase in demand. Students in this
program complete rigorous courses within the sustainability concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
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Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-business-sustainability?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

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\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
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Dine College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Interest in sustainability issues is growing and most likely will be increasingly important to business in the next few years. People around the world are asking serious questions about how they can understand, evaluate and act on issues related to sustainability while making sensible business decisions for both the short and long run. Qualified individuals are needed, those who understand the societal, scientific and business aspects of the issues. Graduates from this degree program will fill these needs.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Business (Technology), BA (BABUSTCBA)}

Campus: Polytechnic

\section*{Program Description:}

The BA in business with a concentration in technology is an innovative, transdisciplinary degree program intended to prepare students for positions in a variety of professions in which business and technology play an important role. The Bachelor of Arts in business with a concentration in technology incorporates business knowledge as well as a strong skill set in technology. This program is designed to help students realize and analyze the relationship between business and technology.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

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\section*{Transfer Agreements:}

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\section*{Transfer from a Maricopa Community College in Arizona}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
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Eastern Arizona College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

Students completing a bachelor's degree in business with a concentration in technology bring a solid background in business to technology companies and also the technological skills necessary to apply their skills in a variety of industries.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
SANTN 230
wpcareyug@asu.edu
480-727-5183

\section*{Business (Tourism), BA (BABUSTBA)}

\author{
Campus: Tempe, Online
}

\section*{Program Description:}

The BA degree in business with a concentration in tourism is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and tourism play important roles in ensuring success. Developing tourism and recreation opportunities requires an understanding of effective marketing techniques and the ability to interact with many different types of businesses that support those efforts. A solid academic preparation in business helps prepare students for success in the tourism industry and affiliated professions. Students in this program complete rigorous courses within the tourism concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: Students must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-businesstourism)

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Tourism management and development combines marketing and economic development with an emphasis on managerial understanding to promote smooth operations. The combination of skills acquired from exposure to both business and tourism courses make graduates more marketable and productive in their careers.

\section*{Contact Information:}

Business, W. P. Carey School of Dean, W.P. Carey School of Business https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Business (Urban Policy), BA (BABUSUBA)}

Campus: Tempe

\section*{Program Description:}

The BA in business with a concentration in urban policy is an innovative, transdisciplinary program intended to prepare students for positions in a variety of professions in which business and urban policy play important roles in ensuring success. Economic development and urban planning are inextricably linked. The urban policy concentration prepares students to address many of the challenges of rapid urban growth. Students in this program will complete rigorous courses that focus on the complexity and range of issues affecting the quality of urban planning and development in addition to the skill and core courses required of all W. P. Carey School of Business majors.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/BABUSUBA?comm-college=[Ljava.lang.String;@271b72b5) Central Arizona College(https://transfer.asu.edu/BABUSUBA?comm-college=[Ljava.lang.String;@7b07dd21) Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/BABUSUBA?comm-college=[Ljava.lang.String;@4146e0a1)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/BABUSUBA?comm-college=[Ljava.lang.String;@14458b82) Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/BABUSUBA?comm-college=[Ljava.lang.String;@61ca0e33)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/BABUSUBA?comm-college=[Ljava.lang.String;@186a686d)

Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/BABUSUBA?comm-college=[Ljava.lang.String;@71edd8a0)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Historically, urban planners have had little business background; however, business success is a key ingredient in high-quality, dynamic urban policy. Graduates with a bachelor's degree in business with an urban policy concentration are equipped to deal with the wide range of economic and business development issues.

\section*{Contact Information:}

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227

\section*{Business Data Analytics, BS (BABDABS)}

Campus: Tempe, Online

\section*{Program Description:}

The BS program in business data analytics prepares business students with the requisite knowledge, skills and experience to create and manage big data initiatives as well as associated business processes to facilitate large-scale business data analytics in organizations. Students learn organizational and technical competencies, to implement data gathering, cleansing, integration and modeling tasks as well as data asset analysis for business applications. The program covers data warehousing, dimensional modeling, big data analytics methods and visualization tools and techniques, and it introduces topics such as data mining and predictive analytics.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshmen admission requirements: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is \(4.00=\) " A ").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside W. P. Carey School of Business

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in exploratory social and behavioral sciences in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-business-data-analytics)

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The demand for employees with business analytics skills is strong, with close to 89 percent of employers indicating that their needs for new recruits skilled in business data analytics will increase in the future [source: Occupational Information Network (O*NET)]. Students can become data analysts, data architects, data visualization developers, data change agents and data operators. Many graduates serve as architects, change
agents and analytics tool suite operators for business and government.

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Information Systems
https://wpcarey.asu.edu/undergraduate-degrees
BA 301P
wpcareyis@asu.edu
480-965-3252

\section*{Business Entrepreneurship, BS (BABUENTBS)}

Campus: Tempe

\section*{Program Description:}

The BS program in business entrepreneurship prepares students to identify, evaluate and develop entrepreneurial opportunities in existing companies or through new ventures. Students earning the degree may choose to start a new venture, work for a startup or a small business or work as an innovator within an existing organization. The degree has an emphasis on collaboration, leadership, communication and team-building as well as development in refined analytical, managerial and leadership skills appropriate for people who want to change the world through innovation.

Students in the program frequently collaborate with students from across the university to give students a breadth of understanding in all business disciplines and a depth of understanding in opportunity recognition, feasibility, management of resources and strategy. Students completing the program understand the unique requirements of an entrepreneur and learn how to operate effectively to identify market opportunities, innovative solutions and execution strategies.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshmen admission requirements: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is \(4.00=\) " A ").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

\section*{Transfer Admission Requirements:}

Transfer admission requirements ( 30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.
major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students may follow multiple self-directed paths such as starting a new venture or nonprofit organization, working for a new venture or a small business, or working as an innovative leader within an existing organization.

\section*{Contact Information:}

Business, W. P. Carey School of Department of Management and Entrepreneurship
https://wpcarey.asu.edu/undergraduate-degrees
BA 323
wpcareymgt@asu.edu
480-965-3431

\section*{Business Exploratory, (BABUSEXP)}

Campus: Tempe

\section*{Program Description:}

Virtually every profession and organization uses business in some way. Business exploratory students have an opportunity to explore a variety of areas in business prior to selecting one of our nine majors:
- accountancy
- business data analytics
- business entrepreneurship
- computer information systems
- economics
- finance
- management
- marketing
- supply chain management

Students have an opportunity to work with world-class faculty in an environment that values high-quality teaching. Majors in the W. P. Carey School of Business provide students with the skills and knowledge needed in today's companies --- whether they are starting their own businesses or working in large multinational corporations. Additionally, many graduates attend some of the other top-tier graduate schools in the country in a variety of disciplines.

Additional Program Fee: Y
Second Language Requirement: \(N\)
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
This major has higher admission standards. Freshmen admission requirements: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is \(4.00=\) " A ").

Transfer Admission Requirements
For students who hold 30 or more transfer credit hours after high school: 3.00 transfer GPA and one of the following: 1160 (prior to March 2016 ) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

\section*{Change of Major Requirements:}

Students are not permitted to change their major to this degree program. Students admitted to this exploratory program who are ready to declare their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students in business exploratory have the opportunity to graduate from one of many BS degree programs in the W. P. Carey School of Business.
For career opportunities, students should see the options highlighted in those specific programs.

\section*{Contact Information:}

Business, W. P. Carey School of
Prebusiness Office
https://wpcarey.asu.edu/undergraduate-degrees
BA 160
wpcareyug@asu.edu
480-965-4227
Computer Information Systems, BS (BACISBS)
Campus: Tempe, Online

\section*{Program Description}

Computer information systems are part of every business and organization. In this degree program, students learn about the exciting and innovative ways that information technology is used to help organizations succeed. Dedicated faculty members teach students how to design, build and maintain information systems that support business operations and managerial decision-making. In particular, students learn about:
- business intelligence for competitive advantage
- business process for workflow redesign
- data management for decision-making
- distributed systems for collaboration and globalization
- enterprise integration for synergy
- project management
- solution development for value creation

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)

Additional Requirements:
Freshmen admission requirements: Students must have a score of 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016 ) OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is \(4.00=\) " A ").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer admission requirements ( 30 or more semester hours of credit after high school): Students must have a 3.00 transfer GPA and a score of 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/computer-information-systems-bs)

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)

Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Currently, there is a shortage of information systems professionals, with many more jobs than graduates. With a degree in computer information systems, career choices are limitless. A computer information systems degree offers job opportunities in a variety of industries, including:
- education
- entertainment
- finance
health care
- national defense
- transportation

Information systems are key components in the success of other functional business areas such as accounting, supply chain, finance and marketing. Entry-level information systems positions include:
- computer forensics analyst
database administrator
- information systems consultant
- information technology security manager
- network administrator
- project manager
- software or systems developer
- systems administrator
- systems analyst

Long-term career aspirations for a student with a computer information systems degree include:
chief executive officer
chief information officer
- chief knowledge officer
- chief security officer
- chief technology officer

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Information Systems
https://wpcarey.asu.edu/undergraduate-degrees
BA 301P
wpcareyis@asu.edu
480-965-3252

\section*{Economics, BS (BAECNBS)}

Campus: Tempe, Online

\section*{Program Description:}

The economics program requires a strong core of economic theory, supplemented by mathematics and data analysis. Students in this W. P. Carey BS degree program in economics choose from a variety of electives offered by the Department of Economics or electives offered by any other ASU
department. All students are encouraged to develop programs of study tailored to individual needs and interests. The undergraduate program provides students with the critical-thinking and communication skills needed to succeed in business or graduate school. The department's mission is to provide the highest quality instruction to students, conduct cutting-edge research in economics and provide leadership and service to professional communities.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Engineering Management, BSE

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshmen admission requirements: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is \(4.00=\) "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer admission requirements ( 30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in exploratory social and behavioral sciences in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

Concurrent degree admission requirements: Engineering Management, BSE and Economics, BS:
- minimum 1250 SAT combined math and verbal ( 650 minimum on SAT math) or minimum 29 ACT combined score ( 29 minimum on ACT math), and
- 3.00 minimum ABOR GPA

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/economics-bs-wpc)

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS:
https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A major in economics provides students with the analytical and quantitative skills needed to prepare them for careers in business, government or public policy. The program of study can also be tailored to prepare students for graduate programs in economics, business or law. Students interested in pursuing a doctorate in economics are strongly encouraged to minor or major in mathematics as well.

Graduates have taken positions such as:
- consultants who serve as advisers to state and federal governments as well as private corporations
- corporate economists who collect data and make forecasts relevant to the firm's business
- employment in banking and financial services firms

Each year, many graduates pursue additional studies at other prestigious universities.

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Economics
https://wpcarey.asu.edu/undergraduate-degrees
CPCOM 412
wpcareyecn@asu.edu
480-965-3531
Finance, BS (BAFINBS)

\section*{Campus: Tempe}

\section*{Program Description:}

The finance department has a rich tradition of educating leaders who excel in all aspects of the discipline of finance. Whether ascending to the top ranks of the venture capital industry, executing multimillion dollar real estate deals or becoming successful entrepreneurs with their own ideas and drive, graduates of the BS program in finance from the W. P. Carey School of Business are equipped to succeed.

In particular, the Investment Banking Industry Scholars program mentors students interested in going to Wall Street. The student investment management fund provides undergraduates the opportunity to manage a real-world investment portfolio worth hundreds of thousands of dollars.

Finance department faculty members are considered among the top in the world. The professional advisory board, comprised of leading professionals from the financial services, manufacturing, energy, investment banking and real estate sectors, provides a sounding board for new ideas and is a resource of jobs for top graduates.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Additional Requirements:}

Freshmen admission requirements: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is \(4.00=\) "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
For students who hold 30 or more transfer credit hours after high school: 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

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see your state or institution listed, please check back as we are always working on creating new partnerships.

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Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students majoring in finance are prepared for careers in:
- consulting
- corporate financial management
- depository institutions
- financial services
- investment banking
- investment management
- portfolio analysis

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Finance
https://wpcarey.asu.edu/undergraduate-degrees
BAC 519
wpcareyfin@asu.edu
480-965-3131

\section*{Food Industry Management, BS (BAFIMBS)}

Campus: Polytechnic

\section*{Program Description:}

The BS program in food industry management is unique and has been developed in close coordination with partners in the food industry to help ensure graduates have the knowledge and skills needed to become immediate leaders in the industry. Students combine core courses in business disciplines (finance, marketing, management, accounting, supply chain management and economics) with courses specific to the food industry.
- environmental management and sustainability
- food industry sales and management
- food marketing strategy
- food retailing
- food supply networks
- futures and options markets
- innovation and food product development
- insurance
- pricing and promotion strategy in food markets
- retail information analysis
- risk management

Each of these courses addresses a different issue in which fundamental concepts, theoretical approaches, analytical methods and industry practice are unique to the food industry.

\author{
Additional Program Fee: Y \\ Second Language Requirement: N \\ First Required Math Course: MAT 210 - Brief Calculus \\ Program Math Intensity: Moderate
}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements
Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to the College of Letters and Sciences will be contacted to select an appropriate major.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The W. P. Carey degree program in food industry management prepares students for business careers in the food industry, which is defined as the group of firms and organizations involved with manufacturing, marketing and distributing food beyond the farm to retail stores, restaurants and institutions such as schools and hospitals. Employing one in six people nationwide, there is a growing demand for professional management in an industry that is becoming increasingly competitive, sophisticated and global.

Potential careers for graduates include:
- brand manager for a food manufacturing firm
- commodities trader for an investment bank or hedge fund
- district manager for a food retailer
- loan officer for a bank with a food-industry portfolio

\section*{Contact Information:}

Business, W. P. Carey School of
Morrison School of Agribusiness
https://wpcarey.asu.edu/undergraduate-degrees
SANTN 230
wpcareyug@asu.edu
480-727-5183
Management, BS (BAMGTBS)
Campus: Polytechnic, Tempe, West, Online

\section*{Program Description:}

The W. P. Carey BS degree program in management prepares students to become effective managers and team leaders by providing theoretical and conceptual knowledge and building critical skills such as:
- analytical research and problem-solving
- communication
- critical thinking
- global applications
- leadership
- personal ethics and integrity
- teamwork

The curriculum includes the fundamentals of the global economy, the world of e-business, ethics, human resource and strategic management, and collaborative team skills. Throughout the program, theories and concepts of management and ethical leadership are enhanced by experiencing and testing these concepts in skill-based exercises, case discussions and real-world, team-based project work.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshmen admission requirements: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is \(4.00=\) "A").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer admission requirements ( 30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

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Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-sciencemanagement)

\section*{Change of Major Requirements:}

Students should refer to the following W. P. Carey website to determine if they meet change of major requirements: https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors). Students ready to change their major should submit their request through W. P. Carey's Advising SOS: https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

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Pima Community College(https://transfer.asu.edu/tag)
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Transfer from another state:

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Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The management major prepares graduates for managerial leadership in a world characterized by:
- corporate accountability
- cross-functional management
- demands for continuous process improvements to enhance the value chain
- ethical decision-making
- growing technological sophistication
- racial, cultural and gender diversity in the workforce
- the fast pace of e-business
- the need for skills in communicating and working with people, directing projects and managing change

Graduates with skills in these areas are likely to be recruited by:
- for-profit and nonprofit organizations
- high-tech firms
- large and small organizations
- management consulting firms
- service and manufacturing firms

The ONET salaries below reflect median salaries, not starting salaries.

\section*{Contact Information:}

Business, W. P. Carey School of Department of Management and Entrepreneurship https://wpcarey.asu.edu/undergraduate-degrees
BA 323
wpcareymgt@asu.edu

\section*{Marketing, BS (BAMKTBS)}

Campus: Tempe, Online

\section*{Program Description:}

Students pursuing the BS in marketing gain an understanding of the science behind consumer behavior and the critical role that marketing plays in all organizations. In addition, they develop marketing skills that provide a competitive advantage in their careers. The nationally ranked and awardwinning marketing faculty share a passion for teaching and mentoring undergraduate students. Faculty members provide many productive ways for students to get involved in the life of the department and work with business partners. The department is home to the Center for Services Leadership, the premier international center for the study of the science of services, and offers distinctive coursework in professional sales, relationship management and sports business.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
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Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

\section*{Transfer Admission Requirements}

Transfer admission requirements ( 30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

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Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-sciencemarketing)

\section*{Change of Major Requirements:}

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Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

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Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Through the proper selection of coursework and other educational experiences, a marketing student may prepare for a variety of careers in areas such as:
- business development
- business-to-business marketing
- customer relationship management
- international marketing
- market research and information management
- marketing communications
- professional sales and relationship management
- retail management
- sales management
- services marketing

The degree program provides fundamentals, flexibility and specialization opportunities.

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees
BAC 460
wpcareymkt@asu.edu

\section*{Marketing (Digital and Integrated Marketing Communications), BS (BAMKDIMCBS)}

Campus: Tempe

\section*{Program Description:}

Designed specifically for the marketing major, this concentration builds on the knowledge provided in the major and prepares marketing students with specialized knowledge and training in the areas of advertising, brand management and digital marketing. The purpose of the concentration in digital and integrated marketing communications within the BS program in marketing is to equip students with cutting-edge knowledge in the marketing communications area so they are well-prepared to assume jobs in the areas of advertising, brand management and digital marketing. This concentration enhances the marketing degree by providing specialized expertise to our graduates in an area that is growing in importance in the marketplace.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
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Readmission requirements: Students must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer admission requirements ( 30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

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\section*{Change of Major Requirements:}

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Transfer from another state:

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Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

While the number and quality of job opportunities in advertising and brand management is relatively small, the number of entry-level positions in digital marketing has exploded. A sampling of career opportunities include:
- digital account manager
- digital marketing analyst
- digital marketing coordinator
- digital marketing specialist
- electronic marketing specialist

\section*{Contact Information:}

Business, W. P. Carey School of Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees
BAC 460
wpcareymkt@asu.edu
480-965-3621

\section*{Marketing (Professional Sales), BS (BAMKTPSBS)}

Campus: Tempe

\section*{Program Description:}

The W. P. Carey BS degree program in marketing with a concentration in professional sales is designed for undergraduate marketing students who are interested in pursuing the many opportunities in professional sales. The curriculum includes courses in professional sales as well as sales management and consumer behavior. This program prepares students to be successful account managers or sales team leaders in both business-to-business and business-to-consumer settings. An internship in sales, as a component of the professional sales concentration, is required.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
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Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
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Additional Requirements:
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Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer admission requirements ( 30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

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\section*{Change of Major Requirements:}

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Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Transfer from an Arizona Community College:
Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:
California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The number of employers interested in hiring professionals for sales roles far exceeds the number of students who are pursuing career opportunities in sales. This concentration prepares students for careers in account management across a variety of industries in the business-tobusiness and consumer products domains.

\section*{Contact Information:}

Business, W. P. Carey School of
Department of Marketing
https://wpcarey.asu.edu/undergraduate-degrees
BAC 460
wpcareymkt@asu.edu
480-965-3621

\section*{Supply Chain Management, BS (BASCMBS)}

Campus: Tempe

\section*{Program Description:}

Supply chain managers coordinate the purchase of raw materials, the manufacturing and the transportation of materials across multiple vendors and multiple countries to provide the services and finished goods sitting on a local store shelf or available through an online retailer. It is a key reason that people can buy an ever-increasing variety of goods and services at remarkably low prices.

The BS degree program in supply chain management provides W. P. Carey School of Business students with an in-depth knowledge of integrated supply chain management. The curriculum focuses on:
- execution systems
- logistics
- negotiations
- operations
- planning
- procurement
- strategy development

Classes are small and use projects and case studies to bring the material to life.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Sustainability, BA

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshmen admission requirements: Students must have a score of 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (scale is \(4.00=\) " A ").

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other degree program outside of the W. P. Carey School of Business. Students who are not admissible to a W. P. Carey business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a business BA program in the W. P. Carey School of Business.

Readmission requirements: Students must meet freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer Admission Requirements:
Transfer admission requirements ( 30 or more semester hours of credit after high school): Students must have a 3.00 transfer GPA and a score of 1160 (prior to March 2016) or 1230 SAT Reasoning (after March 2016) OR 25 ACT score OR the student must have graduated in the top eight percent of their high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey business BA programs or any other business or other degree program outside of the W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social and behavioral sciences program in the College of Integrative Sciences and Arts.

Students with more than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be prompted in My ASU to select a new major.

\section*{Change of Major Requirements:}

Students should visit the W. P. Carey website (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors (https://students.wpcarey.asu.edu/degrees-and-advising/degree-programs/change-majors)) to determine if they meet change of major requirements. Students ready to change their major should submit their request through W. P. Carey's Advising SOS:
https://apps.wpcarey.asu.edu/apps/advising/index.cfm (https://apps.wpcarey.asu.edu/apps/advising/index.cfm).

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
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Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career track progression could lead to the vice president level in supply chain-related areas. Firms recruit ASU supply chain management graduates from around the world and in all sectors of the economy, including:
- health care
- manufacturing
- public and private
- retail
- service

Students from this program are highly sought after and have excellent placements. The following are some positions that supply chain management graduates have obtained:
- buyer or planner
- commodity manager
- distribution manager
- Internet marketing analyst
- inventory specialist
- logistics planner
- materials manager
- operations planner or analyst
- planner or analyst
- product forecaster
- production coordinator
- production line manager
- production scheduler
- quality control specialist
- supply management analyst

\section*{Contact Information:}

Business, W. P. Carey School of Department of Supply Chain Management https://wpcarey.asu.edu/undergraduate-degrees
BA 446
wpcareyscm@asu.edu
480-965-6044
Technological Entrepreneurship and Management, BS (TSTEM2BS)
Campus: Polytechnic, Online

The BS program in technological entrepreneurship and management advances the knowledge and practice of entrepreneurship and innovation. To enhance students' understanding of business fundamentals, the Fulton Schools of Engineering have partnered with the W. P. Carey School of Business to offer a degree that is jointly conferred by both colleges. The degree program prepares students to address social and corporate issues to impact and change the world; create, launch and improve technology-based products, services and ventures; and identify and solve open-ended problems using engineering and technology approaches.

Students receive a foundation in both technology and business fundamentals, with an emphasis on technology entrepreneurship and innovation in one of two focus areas: innovation and operation management or social entrepreneurship.

The program objectives for this degree include:
- demonstrate the ability to identify, analyze and synthesize information to address and solve use-inspired, open-ended problems, assessing their impact on social, cultural and economic environments
- formulate methodologies to advance the knowledge of entrepreneurship and innovation
- launch technology-based products and services from idea generation through actualization
- use quantitative and qualitative methods to demonstrate continuous improvement of products, services, and processes
- utilize a systems approach for the effective design and improvement of entrepreneurial and innovation ventures

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Global Technology and Development, MS
Technology (Management of Technology), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors.Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Small businesses and startups create the majority of new jobs in the U.S. while larger corporations seek individuals who can see the big picture and solve complex problems. Students in the technological entrepreneurship and management program learn the range of skills needed to develop new products, services and business models as well as whole new industries. The technological entrepreneurship and management program prepares students for a wide variety of career possibilities; some examples are technology-based entrepreneurship, product development, consulting, venture capital analysis, business development, market analysis, and technology marketing.

\section*{Contact Information:}

Business, W. P. Carey School of
Tech Entrepreneurship \& Mgmt
https://poly.engineering.asu.edu/tem/bs-technological-entrepreneurship-and-management/
WANER 230
polyadvising@asu.edu
480-727-1874

\section*{Design \& the Arts, Herberger Institute for}

\section*{Architectural Studies, BSD (ARSTDBSD)}

Campus: Tempe

\section*{Program Description:}

Architects design buildings and environments that are useful, sustainable and aesthetically pleasing. This implies an understanding of people's needs, the science and technology of building, and the concepts of aesthetics. The faculty in The Design School offer a BSD in architectural studies. In addition to developing knowledge and skills in architectural design, building technology, landscape architecture and professional practice, students are encouraged to select electives from a broad range of approved courses within the institute and across the university. These electives may be selected to devise a minor, to further professional study or to enrich the student's academic experience in some other fashion.

All students who are admitted to the major must pass a degree milestone to continue in the major at the end of the first year. For more information on the milestone process, students should refer to https://design.asu.edu/resources/students/milestones
(https://design.asu.edu/resources/students/milestones).

This is an eight-semester program requiring sequential completion of studio coursework (or approved equivalent) at any point of entry.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:
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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of the bachelor's degree program who wish to become licensed can complete their professional studies by attending graduate school and earning the accredited professional master's degree. In Arizona, other graduates work for registered architects for several years before taking their licensing examination. Some begin their careers working in small offices of 10 to 20 people; others work in very large firms, industries, corporations or governmental agencies.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu/degree-programs
CDN 162
herbergeradvising@asu.edu
480-965-3536

\section*{Art (Art Education), BFA (FAARTEBFA)}

\section*{Campus: Tempe}

\section*{Program Description:}

The BFA program in art with a concentration in art education involves:
- art learning strategies and processes
- facilitation of the teaching of art
- policymaking in art
- the study of art

The program focuses on public and private K-12 instruction, art in higher education and educational programs in art museums. Students investigate issues in art teaching and learning from multiple perspectives, including:
- art inquiry
- context
- development
- studio
- visual culture

In addition to their art education coursework, students are required to take coursework in the various studio programs offered in the School of Art.

Students must submit a BFA declaration form after successful completion of the art foundational coursework to be admitted to the major.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

\section*{Program Math Intensity: General}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200 -level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Transfer Admission Requirements:
Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Art Education concentration upon admittance to the BFA program in art

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

Graduates who also complete the state certification requirements for an art specialist certificate can teach in public and private elementary schools, middle schools and high schools. Graduates who do not seek state certification may find opportunities for jobs with art museums and recreational or community service groups that offer art instruction.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-education
ART 102
herbergeradvising@asu.edu
480-965-8521

\section*{Art (Art History), BA (FAARTHBA)}

Campus: Tempe, Online

\section*{Program Description:}

The BA in art with a concentration in art history is a comprehensive degree program designed to train students to engage with visuality in multiple ways. It offers a diverse curriculum intended to foster critical understanding of the aesthetics, production, patronage and consumption of art. Internationally recognized faculty offer classes across many cultures and time periods, geographies and multiple approaches and methodologies.

\section*{Additional Program Fee: Y}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen students applying to the Herberger Institute School of Art enter ASU as art exploratory majors in the School of Art. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically students in their second year interested in studio art and art education will submit a portfolio for review once they have completed their core requirements and are completing the last of the 12 hours of 200 -level art requirements, or if they are interested in art history or museum studies they will submit a declaration form in the semester in which they complete 30 hours.

Transfer Admission Requirements:
Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-art-history?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

An ASU student who would like to change a major to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates in art history at the bachelor's degree level find employment opportunities in commercial art galleries, entry-level jobs with art publications and in museums. A graduate degree is essential for professional jobs; a master's degree prepares individuals to teach at the community college level or to gain entry into museums, auction houses and publishing companies. The doctorate is a necessity for employment as a university or college teacher and for responsible administrative posts in the museum and publishing world.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-history-museum-studies
ART 102
herbergeradvising@asu.edu
480-965-8521

\section*{Art (Art Studies), BA (FAARTSTDBA)}

Campus: Tempe

\section*{Program Description:}

The art studies curriculum offers students a broad educational foundation in the arts and General Studies. The BA program in art with a concentration in art studies is a transdisciplinary program featuring coursework in art history, studio art, performing arts and a range of arts-related courses throughout the university. This concentration offers students a great deal of flexibility in planning coursework. The scope of offerings in art is unparalleled at smaller institutions and the ability to combine art classes with offerings from other disciplines at ASU makes this a uniquely open
degree. An art studies student can assemble an art-related curriculum focused on individual student needs in consultation with a faculty advisor.
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Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

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Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen may apply directly to the art studies program; there is no portfolio review for this major.

Transfer Admission Requirements:
Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)

Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates work in arts-related fields such as:
- arts administration
- galleries
- service-related art fields

Career opportunities are also available with employers who seek graduates with a well-rounded humanities education.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-studies
ART 102
herbergeradvising@asu.edu
480-965-8521

\section*{Art (Ceramics), BFA (FAARTCBFA)}

Campus: Tempe

\section*{Program Description:}

The BFA program in art with a concentration in ceramics provides a stimulating and challenging environment for artistic and intellectual growth. With the realization that discipline, familiarity with historical precedents, and freedom go hand in hand with creative activities, the area strikes a balance between the acquisition of traditional skills and the promotion of independence and innovation.

Responsibility is placed on the individual student to find personally meaningful content and an effective means to express that content within the ceramic arts. The ceramics program features a complete and varied line of kilns, wheels and other equipment. World-renowned faculty members ensure that students of the program learn the techniques and concepts that will enable their work to take any direction they wish. A strong guest artist schedule enhances the program and the Ceramics Research Center at the ASU Art Museum, with its collection of more than 3,000 pieces, provides unparalleled opportunities to study and research ceramics.

Students must submit a BFA declaration form after successful completion of the art foundational coursework to be admitted to the major.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200 -level art requirements. Students interested in art history or museum studies submit a declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Ceramics concentration upon admittance to the BFA program in art.

\section*{Transfer Admission Requirements:}

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Ceramics concentration upon admittance to the BFA program in art.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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\section*{Transfer from an Arizona Community College:}

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Gila Community College(https://transfer.asu.edu/tag)

Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of the undergraduate and graduate programs work as artists in the field, selling their works through commercial galleries, commissions and to private collectors. Some artists work as designers and consultants to the commercial ceramic industry; others set up their own businesses, producing handcrafted functional ware, architectural tiles and one-of-a-kind works.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/ceramics
ART 102
herbergeradvising@asu.edu
480-965-8521

\section*{Art (Digital Photography), BFA (HIARTDPBFA)}

\section*{Campus: Online}

\section*{Program Description:}

The BFA program in digital photography at ASU teaches students to master the technical, aesthetic and conceptual aspects of photography in the information age. Through assignments, readings, lectures, critiques, discussion and projects, students work with classmates, artists and faculty to develop and refine their own creative vision and comprehensive knowledge of the theory, practice and history of photography. Not bound by traditional schedules or the limitations of location, this program's flexibility creates a unique community of instructors and students and provides excellent studio-practice art education to a wide and diverse student population. The degree culminates in a capstone course dedicated to producing a self-defined final portfolio of accomplished work.

\section*{Additional Program Fee: Y}

Second Language Requirement: \(N\)
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/art-digital-photographybfa)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities available to students with a degree in this concentration include positions as:
- agents and business managers of artists and performers
- camera operator for television, video and motion picture
- commercial and industrial designers
- commercial photographer or producer in the field of theater, television, radio and motion picture
- director of the stage, television, radio and motion picture
- editor of film and video
- fine artist
- multimedia artist and animator
- post-secondary teacher in the field of art, drama and music
- technician of audio and video equipment

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art

\section*{Art (Drawing), BFA (FAARTDBFA)}

Campus: Tempe

\section*{Program Description:}

The BFA program in art with a concentration in drawing offers a learning environment for creative, intellectual and technical growth that leads to quality art practice and professionalism. The program encourages a wide spectrum of approaches to contemporary drawing as visual expression, ranging from traditional to innovative. Students work under the guidance of a large, full-time faculty of active professionals who are nationally and internationally recognized. Visiting artists of national stature enhance the program with lectures and individual undergraduate critiques.

Students must submit a BFA declaration form after successful completion of the art foundational coursework to be admitted to the major.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 142 OR MAT 119

\section*{Program Math Intensity: Genera}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Drawing concentration upon admittance to the BFA program in art.

Transfer Admission Requirements:
Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates complete the program with drawing skills that enable them to apply for positions that require knowledge in drawing or two-dimensional conceptual skills. Further education, either formal or informal, is usually necessary to refine their skills in a very competitive marketplace. Many graduates continue their education in an MFA graduate program, which allows them to develop their talent further and to teach. Some take jobs in related fields, such as galleries and museums, allowing them to continue producing their own creative work.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for School of Art
https://art.asu.edu/degree-programs/drawing-painting
ART 102
herbergeradvising@asu.edu
480-965-8521

\section*{Art (Fibers), BFA (FAARTFBFA)}

Campus: Tempe

The BFA program in art with a concentration in fibers cultivates an environment that stimulates creative and intellectual growth. Coursework ranges from the spinning and processing of raw fiber to digital textile printing. With concentrations in techniques such as weaving, dyeing, textile printing and fiber sculpture, students are encouraged to discover their individual artistic voice. Throughout the program, students are challenged to utilize and interpret textile traditions while considering innovative and interdisciplinary approaches to contemporary practices.

Students must submit a BFA declaration form after successful completion of the art foundational coursework to be admitted to the major.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

\section*{Program Math Intensity: Genera}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200 -level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Fibers concentration upon admittance to the BFA program in art.

Transfer Admission Requirements:
Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Fibers concentration upon admittance to the BFA program in art.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not
see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to establish their own studios and begin making art or design fabrics for use as interior fabrics or as one-of-a-kind garments. Students are also prepared to begin a graduate program. Some undergraduates have gone to New York City to work in the field of designing textiles. Others prefer to focus on their own art for exhibition. Graduates also set up their own studios and design fabrics that are wearable or for interior use while others make their living by doing commissioned work for interior spaces.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/fibers
ART 102
herbergeradvising@asu.edu
480-965-8521

\section*{Art (Intermedia), BFA (FAARTIBFA)}

Campus: Tempe

\section*{Program Description:}

The BFA program in art with a concentration in intermedia is conceptually driven, with a transdisciplinary approach to art-making. The broad-based curriculum builds on theories of socially engaged art practice and tactical media that carry the aims of social change and democratic engagement in a variety of contexts. Students are empowered to explore new avenues for self-expression, collaboration and community action. Coursework develops students' understanding of themselves as situated, contemporary artists as they learn to analyze significant cultural movements, national and international, from the present and from the recent past. The program covers a range of traditional and emerging forms and orientations reflecting the professional practices of the growing team of faculty members.

Currently, there is an emphasis on performance, installation, 3D printing, digital sculpture, public and place-based art, digital animation, and experimental and documentary video. Faculty also teach special topics including a recent studio seminar on walking as art practice and another that
investigates the engagement of women in the field of art and technology. Collaboration and study across other areas in the School of Art, including sculpture, fibers and photography, are encouraged and supported.

Students must submit a BFA declaration form after successful completion of the art foundational coursework to be admitted to the major.

Additional Program Fee: \(Y\)

\section*{Second Language Requirement: N}

First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200 -level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Intermedia concentration upon admittance to the BFA program in art.

Transfer Admission Requirements:
Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Intermedia concentration upon admittance to the BFA program in art.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities depend on the emphasis selected. Possibilities include:
- computer graphics and animation
- museum or gallery installation
- positions in the music or entertainment industry
- videography

Professions could include:
- independent artist
- media consultant
- set designer
- teacher

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/intermedia
ART 102
herbergeradvising@asu.edu
480-965-8521

\section*{Art (Metals), BFA (FAARTMBFA)}

Campus: Tempe

\section*{Program Description:}

The BFA program in art with a concentration in metals offers a wide range of traditional and nontraditional approaches to metals:
- attention to detail
- creativity
- critical thinking
- emphasizing craft skills
- metalworking

A well-equipped studio with a wide variety of metal-smithing tools is offered. Students explore the close relationship with the School of Art's sculpture and foundry programs, learn important entrepreneurial skills, and receive a strong foundation in technical vocabulary and methods for working with metal while being encouraged to experiment with alternative materials and techniques.

Students have the opportunity to gain knowledge and skills through additional educational opportunities that include:
- conferences and symposia
- internship possibilities
- lectures
- visiting artists
- visits to artist studios, museums and exhibitions
- workshops

ASU is located in proximity to numerous galleries and museums as well as local organizations such as:
- The Arizona Artist-Blacksmith Association
- The Arizona Designer Craftsmen
- Metalink

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements. Freshman (https://students.asu.edu/freshman/requirements)

Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200 -level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

\section*{Transfer Admission Requirements:}

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates find opportunities in jewelry firms or work in independent production as one-of-a-kind jewelers in their own businesses. Many students further their opportunities by going on to complete the MFA.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
http://art.asu.edu/
ART 102
herbergeradvising@asu.edu
480-965-8521

\section*{Art (Museum Studies), BA (FAARTMSBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in art with a concentration in museum studies undergraduate program at ASU is one of the most rigorous in the U.S.

Museum studies students explore:
- art galleries
- art history
- art museums
- public art programs
- visual arts organizations

The program ensures that students are knowledgeable in:
- art history
- critical writing skills
- foreign languages
- museums, galleries and visual arts organizations

The curriculum includes art history courses taught by faculty with diverse specialties. Museum professionals and arts administrators teach specialized classes in their areas of expertise. Internships enable students to work directly with working arts professionals in their field of interest.

Students must take courses in
- art history
- galleries and museums
- research
- small business

Coursework may also include classes in nonprofit management and arts policy.

Students must also demonstrate an ability to read at least one foreign language.

Additional Program Fee: Y
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
OR MAT 142 OR MAT 119

Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Creative Enterprise and Cultural Leadership, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen students applying to the Herberger Institute School of Art enter ASU as art exploratory majors in the School of Art. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically students in their second year interested in studio art and art education submit a portfolio for review once they have completed their core requirements and are completing the last of the 12 hours of 200 -level art requirements, or if they are interested in art history or museum studies they submit a declaration form in the semester in which they complete 30 hours.

Transfer Admission Requirements:
Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards
must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Coconino Community College(https://transfer.asu.edu/tag)
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Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Museum studies graduates find employment in art galleries, art-based organizations and entry-level positions with art publications and museums. A graduate degree is necessary for professional positions. An MA prepares individuals to teach at community colleges and to gain entry into positions at museums, auction houses and publishing companies. The PhD is necessary for employment as a faculty member at a university or for administrative posts in museums and higher education.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/art-history-museum-studies
ART 102
herbergeradvising@asu.edu
480-965-8521
Art (Painting), BFA (FAARTPABFA)
Campus: Tempe

\section*{Program Description:}

The BFA program in art with a concentration in painting offers a learning environment for creative, intellectual and technical growth that leads to quality art practice and professionalism. The program encourages a wide spectrum of approaches to contemporary painting as visual expression, ranging from traditional to innovative. Students work under the guidance of a large, full-time faculty of active professionals who are nationally and internationally recognized. Visiting artists of national stature enhance the program with lectures and individual undergraduate critiques.

To be admitted to the major, students must submit a BFA declaration form after successful completion of the art foundational coursework.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200 -level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Painting concentration upon admittance to the BFA program in art.

\section*{Transfer Admission Requirements:}

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Painting concentration upon admittance to the BFA program in art.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates complete the program with the painting skills that enable them to apply for positions that require knowledge in painting or twodimensional conceptual skills. Further education, either formal or informal, is usually necessary to refine their skills in a very competitive marketplace. Many graduates continue their education in an MFA graduate program, which allows them to develop their talent further and to teach. Some take jobs in related fields, such as galleries and museums, allowing them to continue their own creative work.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/drawing-painting/
ART 102
herbergeradvising@asu.edu
480-965-8521

\section*{Art (Photography), BFA (FAARTPHBFA)}

Campus: Tempe

\section*{Program Description:}

Students in the BFA program in art with a concentration in photography are offered a solid education in the creation and analysis of photographs as a form of creative expression. Students work in a wide range of photographic media including specialized 19 th-century processes, traditional black-and-white and state-of-the-art digital output.

The internationally recognized photography faculty at ASU are diverse, representing and encouraging a wide range of approaches to the creation of photo-based art. Students learn to be self-disciplined and self-directed to understand complex ideas around how images function in their work and to develop a strong sense and control of the craft of photography. The Northlight Gallery engages students and provides opportunity to learn about
gallery and museum practice through mounting exhibitions and working with artists and the collection.

Students must submit a BFA declaration form after successful completion of the art foundational coursework to be admitted to the major. Students applying to study photography must also submit a portfolio. Students should see the photography admissions page for details.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
All art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200 -level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Transfer Admission Requirements:
Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

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Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A degree in the arts offers students a pathway to a rich and varied choice of careers. Students with a photography degree may work as independent studio photographers or contract for commercial work for firms, museums, galleries, individuals and other artists. The bachelor's degree program is essential for advanced study leading to the terminal MFA. This advanced degree offers opportunities in:
- curatorial work in galleries, museums and historical collections
- history or studio areas
- nonprofit arts organization management
- university teaching

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/photography
ART 102
herbergeradvising@asu.edu
480-965-8521

\section*{Art (Printmaking), BFA (FAARTPMBFA)}

Campus: Tempe

\section*{Program Description:}

The BFA program in art with a concentration in printmaking provides a complete studio experience with regular courses in:
- book arts
- digital processes
- intaglio
- lithography
- papermaking
- photogravure
- relief
- screenprint
- other graphic applications
are encouraged to pursue a personal direction, the faculty encourage students to become well-rounded printmakers by experiencing and understanding many media, processes and approaches. No style, technique or aesthetic approach is stressed over another, so the individual quality of each student's work is the essential measure of achievement. Collaboration, experimentation and transdisciplinary approaches to making art are encouraged, and students often work with other areas in the School of Art, such as photography, intermedia, painting and drawing, and sculpture.

To be admitted to the major, students must submit a BFA declaration form after successful completion of the art foundational coursework.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Additional Requirements:}

Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200 -level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Printmaking concentration upon admittance to the BFA program in art.

\section*{Transfer Admission Requirements}

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Printmaking concentration upon admittance to the BFA program in art.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select
where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Trained printmakers are working artists, practicing the expression of a personal understanding of their place in the world. They may find employment as artists or printmakers in schools of all levels teaching the execution and appreciation of visual art. They also work in fine art print studios, executing original prints for other artists. Printmaking skills such as screenprinting or photomechanical and digital techniques, acquired for the production of art, also have commercial, nonart applications that may afford skilled employment. Artists with printmaking skills may also work with graphic designs, illustrations and signage or may work in museums, conservation, publishing, galleries and in other art-related activities. Additionally, their art may sell successfully in the open marketplace.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for School of Art
https://art.asu.edu/degree-programs/printmaking
ART 102
herbergeradvising@asu.edu
480-965-8521

\section*{Art (Sculpture), BFA (FAARTSBFA)}

\section*{Campus: Tempe}

\section*{Program Description:}

The BFA program in art with a concentration in sculpture recognizes the broad, transdisciplinary nature of sculpture today. A wide range of media now falls within an expanded definition of sculpture. Coursework includes:
- architectural sculpture
- foundry
- interactive and kinetic sculpture
- neon
- small metals
- wood
- video and sound installation

While classes run the gamut of the contemporary sculpture environment, there also is an emphasis on helping students put today's creations in the contexts of the history of sculpture and the larger field of contemporary art. Critical inquiry is augmented by courses in the art history program. Visiting artists, curators and critics connect students to the contemporary context.

To be admitted to the major, students must submit a BFA declaration form after successful completion of the art foundational coursework.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Currently, all art students are admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements that include foundational coursework to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division coursework in the studio. There is no portfolio review process for admission to the School of Art.

Students in their second year who are interested in studio art and art education obtain a signed BFA declaration form after completing the core requirements and during completion of the last of the 12 hours of 200 -level art requirements. Students interested in art history or museum studies submit a major declaration form in the semester in which they complete 30 credit hours. The student's major is changed upon successful completion of the major declaration form. Students may choose to remain in and complete the Bachelor of Arts (art studies).

Beginning Fall 2019, students will be admitted directly to the Sculpture concentration upon admittance to the BFA program in art.

\section*{Transfer Admission Requirements:}

Transfer students who have completed the foundational core and pre-art requirements may submit a major declaration form before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two-year degree and have completed the foundational core and pre-art requirements, apply and submit a declaration form in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Beginning Fall 2019, transfer students will be admitted directly to the Sculpture concentration upon admittance to the BFA program in art.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Transfer from an Arizona Community College:

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to embark on a lifetime exploration of the many aspects of 3D art. Positions are available in:
-3D design
- fabrication and design of exhibitions
- the motion picture industry
- set design
teaching
- welding and foundry technician work

Many students also prefer to establish their own studios after graduation.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/degree-programs/sculpture-metals-woods
ART 102
herbergeradvising@asu.edu
480-965-8521
Arts (BA in the Arts), BA (FAATSBA)
Campus: Tempe

\section*{Program Description:}

The BA in the arts is an interdisciplinary degree program designed for students who are passionate about the arts and interested in combining knowledge about multiple arts disciplines. Students will gain an increased understanding of the theoretical, historical and cultural forces that shape the arts through an open-ended path for the exploration and development of a range of skills that will be valuable for advanced study in multiple areas.

The major includes a common core for all students, and students choose a focus from arts administration or entertainment design or the student may design a focus that is subject to approval by the institute's standards committee and the dean's office.

Additional Program Fee: Y
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Creative Enterprise and Cultural Leadership, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)

Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

As the population in the state of Arizona grows, numerous arts organizations are being developed to provide cultural and artistic experiences for our residents. These organizations will need and demand individuals with the necessary critical-thinking skills who understand the impact the arts have on society and who will be passionate employees committed to the arts. This program provides the skill set necessary for such careers as:
- arts administrators
- arts critics
- entertainment designers
- media arts authors and publishers
- museum curators and directors
- public art specialists

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
https://herbergerinstitute.asu.edu/degrees/ba_arts/
CDS 101
herbergeradvising@asu.edu
480-965-4495

\section*{Dance, BFA (FADANBFA)}

Campus: Tempe

\section*{Program Description:}

The School of Film, Dance and Theatre provides a dynamic and culturally diverse learning environment in which students develop as creative artists, scholars and educators. The BFA program in dance offers a transdisciplinary curriculum that emphasizes collaboration and a holistic approach to education. The program encourages the thought that artists of the 21 st century need to develop multiple skills for success in the arts and related fields.

The core values of the program include creativity, research, leadership, reflection, humanity and context. These values are embedded in a broad range of academic experiences that emphasize:
- creative practices --- the study of the creative process and dance-making using improvisation, choreography and interdisciplinary approaches
- movement practices --- the study of the theory, history and technique of a range of dance forms and mind-body practices, including contemporary ballet, postmodern contemporary dance, somatic practices and urban dance practices
- dance and digital arts
- dance history, ethnography and philosophy
- seminars

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Admission to the BFA in dance is selective and based on an interview process. Students are admitted to ASU as dance interview students and must successfully complete an interview and audition before enrolling in the dance major. If a student passes the interview, the School of Film, Dance and Theatre will change the student's major to the BFA in dance. In the event the student is admitted to ASU but not selected as a dance major or misses the interview application deadline, the student enters ASU as a dance interview student and will need to successfully pass the dance interview and audition milestone in the first semester in order to gain admission into the program.

Interview days take place in November, February and April of each year. To ensure a smooth curricular progression, all prospective dance students, including transfer students, are strongly encouraged to participate in the interview day during the semester prior to their intended date of enrollment. More information on the interview process and deadlines can be found at https://filmdancetheatre.asu.edu/degree-programs (https://filmdancetheatre.asu.edu/degree-programs).

Additional Requirements:

Dance Interview Days 2017-18

Materials due November 10, 2017 for November 18, 2017 interview.

Materials due February 9, 2018 for February 17, 2018 interview.

Materials due March 30, 2018 for April 7, 2018 interview.

Transfer Admission Requirements:
Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The comprehensive academic foundation of the Bachelor of Fine Arts degree program in dance prepares students to be leading dance professionals of the 21st century. Graduates of the program have the expertise to pursue professions as choreographers, performers, educators, community artists, scholars and much more. After leaving ASU, many graduates:
- conduct academic research
- curate or produce dance festivals and events
- direct or manage performing art companies, studios or dance-related organizations
- facilitate community partnerships and projects
- produce dance media for performance or instruction
- pursue certification in somatic practices (Laban Movement Analysis, Feldenkrais, Alexander Technique, Body-Mind Centering, etc.)
teach and design curriculum
- work as a dance critic
- work in the areas of health and wellness (fitness, yoga, massage therapy, etc.)
- work in the field of arts management and administration
- work in technical theatre and dance production
- write for scholarly publications

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu
GHALL 232
fdt@asu.edu
480-965-5337

\section*{Dance (Dance Education), BFA (FADANEBFA)}

Campus: Tempe

\section*{Program Description:}

The BFA program in dance with a concentration in dance education prepares students for certification to teach dance in K-12 schools in the state of Arizona. Students in this degree program are required to complete additional state certification requirements. The School of Film, Dance and Theatre provides a dynamic and culturally diverse learning environment where students develop as creative artists, scholars and educators. Studies in dance cultures, music, digital media, dance history, philosophy and criticism, movement science, somatics and stage and screen production enhance the rich educational setting. Creativity and research, the core program values, are embedded in a broad range of academic experiences emphasizing movement and creative practices, artistic process, leadership and pedagogy.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Additional Requirements:}

Admission to the BFA in dance is selective and based on an interview process. Students are admitted to ASU as dance interview students and must successfully complete an interview and audition before enrolling in the dance major. If a student passes the interview, the School of Film, Dance and Theatre will change the student's major to the BFA in dance. In the event that the student is admitted to ASU but not selected as a dance major or misses the interview application deadline, the student enters ASU as a dance interview student and will need to successfully pass the dance interview and audition milestone in the first semester in order to gain admission into the program.

Interview days take place in November, February and April of each year. To ensure a smooth curricular progression, all prospective dance students, including transfer students, are strongly encouraged to participate in the interview day during the semester prior to their intended date of enrollment. More information on the interview process and deadlines can be found at https://filmdancetheatre.asu.edu/degree-programs (https://filmdancetheatre.asu.edu/degree-programs).

Additional Requirements:

Dance Interview Days 2017-18

Materials due November 10, 2017 for November 18, 2017 interview.

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Transfer Admission Requirements:
Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The concentration in dance education lays the foundation for a career in teaching in public and private settings. Students earn an Arizona teaching certification while pursuing the dance education degree, and they can expect to find employment in one of many thriving middle school and high school dance programs throughout the state or in more informal community settings.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232
fdt@asu.edu
480-965-5337

\section*{Design Studies, BA (ARDSNBA)}

Campus:

\section*{Program Description:}

The BA in design studies is a four-year, nonstudio program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:
- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

It is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories: communication for design, design history and general design

It provides a design education, general and specific, to students who seek opportunities in the broader design sector or in graduate education.

Students may undertake the program in one of two specific concentrations: design studies, which allows students to discover the myriad possibilities of design as a subject area as well as the flexibility that it provides for further exploration; or design management, which offers a selection of courses in management and human communication that complement design.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Although a specific career path is not the principal intention, graduates of the program have become involved in sales and marketing in the design sector; others have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
http://herbergerinstitute.asu.edu/degrees/ba_design/
CDS 101
herbergeradvising@asu.edu
480-965-4495
Design Studies (Design Management), BA (ARDSNMBA)
Campus:

\section*{Program Description:}

The BA in design studies is a four-year, nonstudio program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:
- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

It is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories: communication for design, design history and general design.

It provides a design education, general and specific, to students who seek opportunities in the broader design sector or in graduate education.

The concentration in design management offers a selection of courses in management and human communication that complement design and allows for more focused study in these areas.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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\section*{Transfer Agreements}

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Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Although a specific career path is not the principal intention, graduates of the program have become involved in sales and marketing in the design sector; others have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for Dean, Herberger Institute for Design and the Arts
http://herbergerinstitute.asu.edu/degrees/ba_design/
CDS 101
herbergeradvising@asu.edu
480-965-4495

\section*{Digital Culture, BA (HIDGCBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in the dynamic 21 st century.

Armed with skills and judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques.

This program is also offered as an accelerated degree with an MA in Creative Enterprise and Creative Leadership. More information can be found on the Creative Enterprise and Cultural Leadership website: https://herbergerinstitute.asu.edu/research-and-initiatives/enterprise-and-entrepreneurship-programs/curb-enterprise-leadership/master-of-arts (https://herbergerinstitute.asu.edu/research-and-initiatives/enterprise-and-entrepreneurship-programs/curb-enterprise-leadership/master-of-arts).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Creative Enterprise and Cultural Leadership, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

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\section*{Transfer Agreements:}

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Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities include the following fields:
- audio
- comparative literature
- computing
- creative writing
- technical writing
- technology
- visual media

Digital culture alumni have obtained careers as:
- designers
- graphic designers
- engineers
- programmers
- software specialists
- special effects artists
-3D modelers
- visual media artists

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/
STAUF B 217
herbergeradvising@asu.edu
480-965-9438

\section*{Digital Culture (Art), BA (HIDGCABA)}

Campus: Tempe

\section*{Program Description:}

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in the dynamic 21 st century.

The program is for students wishing to specialize in visual composition aspects of new media. Students complement their knowledge of digital culture with discipline-specific courses in the School of Art focused on the historical and theoretical aspects of visual arts, foundational visual arts skills and hands-on knowledge of visual composition through digital means.

Armed with skills and judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21 st century. Some go on to invent fresh techniques.

\section*{Digital Culture - Art Concentration}

The digital culture program with a concentration in art is for students wishing to specialize in visual composition aspects of new media. Students complement their knowledge of digital culture with discipline-specific courses in the School of Art focused on the historical and theoretical aspects of visual arts, foundational visual arts skills and hands-on knowledge of visual composition through digital means.

Additional Program Fee: \(Y\)
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
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\section*{Change of Major Requirements}

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\section*{Career Opportunities:}

Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:
- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:
- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- 3D modeling and fabrication
- visual media

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\section*{Digital Culture (Arts and Design Studies), BA (HIDCADSBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in the dynamic 21 st century.

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Digital Culture - Arts and Design Studies Concentration

The digital culture program with a concentration in arts and design studies is for students wishing to integrate transdisciplinary studies in design and the arts into new media applications.

Students complement their knowledge of new media with broad-based transdisciplinary studies in design and the arts.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
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\section*{Digital Culture (Design), BA (HIDGCDBA)}

Campus: Tempe

\section*{Program Description:}

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Digital Culture - Design Concentration

The digital culture program with a concentration in design allows students to specialize in hybrid (physical and digital) product and space design. Students complement their knowledge with an understanding of the principles of space and product design as well as the historical and theoretical aspects of design, and they develop integrative design approaches to the digital and physical elements of hybrid products and spaces.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

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\section*{Digital Culture (English), BA (HIDGCENBA)}

Campus: Tempe

\section*{Program Description:}

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Digital Culture - English Concentration

The digital culture program with a concentration in English is designed for students who wish to explore the historical, scientific and theoretical intersections of art, media and technology. Sharing of stories and media through electronic communities, participatory art-making and creativity forums on the web, gaming, digital movies and effects, mediated public spaces and electronic design are only a few of the new activities that are defining and evolving culture. Students in the major will assist in the establishment, evolution and proliferation of such culture at the state, national and international level. Students will use tools of inquiry to examine, analyze and create works of art through a hands-on approach to communication, writing, rhetoric and literacies in collaboration with the English department.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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Yavapai College(https://transfer.asu.edu/tag)

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Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities include fields in which the following are sought: technology commentary, future studies, design fiction, technical writing, creative writing, comparative literature and fields in which collaboration is needed.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
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https://artsmediaengineering.asu.edu/degree-programs/digital-culture
STAUF B 217
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\section*{Digital Culture (Film), BA (HIDGCFBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in the dynamic 21 st century.

Armed with skills and judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21st century. Some go on to invent fresh techniques.

\section*{Digital Culture - Film Concentration}

The digital culture program in film is for students wishing to integrate digital aspects of film into new media. Students complement their knowledge of digital culture with discipline specific courses in the School of Film, Dance and Theatre that focus on the foundations of filmmaking practices, historical and theoretical aspects of film, knowledge of the film industry and hands-on knowledge of digital processes in filmmaking processing skills.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
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\section*{Change of Major Requirements:}

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\section*{Transfer Agreements:}

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Transfer from another state:

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Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Upon graduation, digital culture students have a wide array of career opportunities in new media, involving the fields of:
- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:
- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Digital culture alumni have received job opportunities in:
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- 3D modeling and fabrication
- visual media

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/degree-programs/digital-culture
STAUF B 217
herbergeradvising@asu.edu
480-965-9438

\title{
Digital Culture (Graphic Information Technology), BA (HIDGCTEBA) \\ Campus: Tempe
}

\section*{Program Description:}

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in the dynamic 21 st century.

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Digital Culture - Graphic Information Technology Concentration

This digital culture program in graphic information technology is offered in partnership with the Ira A. Fulton Schools of Engineering. Students complement their knowledge of new media with technology and new media entrepreneurship skills, knowledge of legal and ethical issues for technology, and additional skills in graphic communication, digital illustration and design methodology.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Digital culture alumni have received job opportunities in:
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- journalism
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- software engineering
- special effects
- 3D modeling and fabrication
- visual media

\section*{Digital Culture (Interdisciplinary Arts and Performance), BA (HIDCIAPBA)}

Campus: Tempe

\section*{Program Description:}

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Digital Culture - Interdisciplinary Arts and Performance Concentration

This digital culture program in interdisciplinary arts and performance is offered in partnership with the New College of Interdisciplinary Arts and Sciences. The program focuses on a transdisciplinary and collaborative approach to the arts, technology and performance. It emphasizes the traditions of transdisciplinary, avant-garde and experimental arts and on contemporary art and performance. Courses include digital media arts, music and electronic sound art, performance studies, theatre and performance practice, and digital graphics.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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\section*{Career Opportunities:}

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Design \& the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/degree-programs/digital-culture
STAUF B 217
herbergeradvising@asu.edu
480-965-9438

\section*{Digital Culture (Media Processing), BA (HIDGCMPBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in the dynamic 21 st century.

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Digital Culture - Media Processing Concentration

This digital culture program in media processing is offered in partnership with the Ira A. Fulton Schools of Engineering. The program is designed for students who desire to specialize in media processing aspects of new media. Students complement their knowledge with a more advanced understanding of programming, data structures, signals processing and system architecture aspects of new media.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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Dine College(https://transfer.asu.edu/tag)

Eastern Arizona College(https://transfer.asu.edu/tag)
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\section*{Digital Culture (Music), BA (HIDGCMBA)}

\author{
Campus: Tempe
}

\section*{Program Description:}

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Graduates interested in continuing their education are well prepared to apply for the top interdisciplinary new media programs in the nation.

Digital Culture - Music Concentration

In the digital culture program in music, students complement their knowledge of digital culture with discipline-specific courses in the School of Music. These courses focus on understanding the foundations, historical and theoretical structures of commercial and popular music, and the principles of electronic music composition and digital sound.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

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Upon graduation, digital culture students have a wide array of career opportunities in new media to choose from, in fields such as:
- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:
- diagnostic, monitoring, and assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU

Digital culture alumni have received job opportunities in:
- audio and video
- engineering
- graphic design
- illustration
- iOS development
- journalism
- programming
- software engineering
- special effects
- 3D modeling and fabrication
- visual media

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
https://artsmediaengineering.asu.edu/degree-programs/digital-culture
STAUF B 217
herbergeradvising@asu.edu
480-965-9438

\section*{Digital Culture (Theatre), BA (HIDGCTBA)}

\section*{Campus: Tempe}

\section*{Program Description:}

The BA program in digital culture equips students with the technical skills to create computational media and the cultural skills to know when or why to apply them. Students learn to create computational media, computation combined with objects, sound, video, time, space, culture and bodies; breathe behavior into media, objects or systems by programming; and think critically about how computation impacts lives and how culture makes a difference in how people experience computational media, a critical skill in the dynamic 21 st century.

Armed with skills and judgment, graduates work in cultural communication, marketing, design, social media, health, education, entertainment and creative arts, and all areas in which culture is shaped by technology and computational media. All students gain techniques to change the world and communicate using contemporary computational media, a vital power in the 21 st century. Some go on to invent fresh techniques.

The digital culture program in theatre is for students who desire to integrate principles of design and production with digital culture. Students complement their knowledge of digital culture with discipline specific courses in the School of Film, Dance and Theatre that focus on understanding the fundamentals and principles of theatre design, including scene, lighting, sound, costume and multimedia design, while developing art and technical direction and digital design skills.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:
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- computing (Apple, Microsoft)
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The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex sociotechnical problems, such as:
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https://artsmediaengineering.asu.edu/degree-programs/digital-culture
STAUF B 217
herbergeradvising@asu.edu
480-965-9438

\section*{Environmental Design, BS (HIEDSBS)}

Campus: Tempe

\section*{Program Description:}

The BS program in environmental design offers an integrated curriculum in environmental design primarily in a nonstudio format. This undergraduate program is designed to create a deep awareness and knowledge of issues that influence the design of built environments and the design of artifacts in general.

The program of study emphasizes general knowledge and design research as well as focus areas. Focus areas include histories and theories of design; innovation, technology and design strategies; and sustainability in environmental design. The curriculum provides special understanding of theories, technologies, social issues and management aspects related to the student's chosen focus area. While studio courses cannot be taken as electives, students take career-specific design electives, and the degree prepares students for all graduate programs in The Design School.

The program itself is not a professional degree program but provides a broad base of skills and knowledge in environmental design.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Creative Enterprise and Cultural Leadership, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program may take on roles in offices, businesses, public institutions and industries that require an awareness of issues that affect environmental design. Additionally, graduates may choose to apply to graduate programs in related disciplines to pursue professional or other graduate degrees.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
herbergeradvising@asu.edu
480-965-3536

\section*{Fashion, BA (HIFSHBA)}

Campus: Tempe

\section*{Program Description:}

The BA degree program in fashion at ASU combines history, business practices and hands-on studio experience to prepare students for a variety of roles in this important industry. This program is distinguished from other fashion programs in the U.S. through its integration with other research disciplines in the university. Students have the opportunity to pursue tracks in marketing and merchandising, costuming, wearable technology, sustainability, management and leadership, international experience, and fashion and culture. In the capstone experience, students develop a substantial project within their focus track. Opportunities for internships and study abroad further advance students' professional goals. Through the leadership of well-known industry professionals, the bachelor's degree in fashion is connected globally to leaders in the industry.

\section*{Additional Program Fee: Y}

Second Language Requirement: \(N\)
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

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\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)

Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This program prepares students to enter a variety of roles in the fashion industry including as fashion designers, merchandise display and window designers, textile and apparel production management, fabric designers, marketing researchers and other fashion business analysts, supply chain managers for the apparel industry, fashion critics, curators and many other related positions.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Art
https://art.asu.edu/
School of Art
herbergeradvising@asu.edu
480-965-8521

\section*{Film (Film and Media Production), BA (FAFLMBA)}

Campus: Tempe

\section*{Program Description:}

The School of Film, Dance and Theatre offers a BA in film with a concentration in film and media production. Students pursuing this concentration develop a comprehensive and practical knowledge of production, awareness and impact of media and entertainment on audiences and culture and an understanding of the role of the artist in society. Students have access to digital cameras, lighting and sound equipment, post-production software and facilities, and other resources and technologies that will give them an opportunity to produce a final capstone project of exceptional technical quality.

Within this concentration, students have a choice between three upper-division tracks of study: directing, producing and media technology. Each of these focused courses of study is supported by the degree-wide emphasis on ethical filmmaking practices, innovative creative expression and preparation for a career as an industry professional.

All students enter as majors in the filmmaking practices concentration. After completing the required five core film degree courses (for 15 credits), students are eligible to apply to the studio-based concentration in film and media production. Students who enter ASU as freshman typically apply for the film and media production program in their third or fourth semester; transfer students may apply earlier depending on academic record, experience and preparation.

Additional Program Fee: Y
Second Language Requirement: \(N\)
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Additional Requirements:}

All film students will be admitted to ASU into the Bachelor of Arts in film, filmmaking practices concentration. Students who wish to pursue the highly selective, studio-based Bachelor of Arts in film, film and media production concentration must complete the 15 -hour film core and successfully pass an interview and review of their creative work to enter the concentration. This interview and creative work review generally takes place in the third or fourth term at ASU.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "" \(\mathrm{A} " \mathrm{"}\) ). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The film and media production concentration provides students with the knowledge and experience to prepare them to enter careers in media and entertainment as:

\section*{- cinematographers}
- directors
- editors
- producers
- screenwriters

The bachelor's degree program is an excellent broad-based foundation for work in the profession or to prepare students for further training at graduate schools or conservatories.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232
fdt@asu.edu
480-965-5337

\section*{Film (Filmmaking Practices), BA (FAFPRBA)}

Campus: Tempe

\section*{Program Description:}

Students who pursue the BA program in film with a concentration in filmmaking practices receive grounding in fundamental production skills; entertainment and media ethics; feature, short, and episodic screenwriting; and general film and media industry history and practices.

Students have the option of two tracks of study in the upper division: screenwriting or preprofessional. Students who choose the track in screenwriting are required to take multiple writing courses at the intermediate and advanced levels. Students in the preprofessional track chose among a series of course options in each of these areas: writing, producing, and film and media technology. Production experience is regularly available through select lower-division courses that provide creative coursework options, the upper-division course FMP 300, and credited opportunities to work on projects produced by students, faculty, and the School of Film, Dance and Theatre. All students complete a year-long senior project, initiated and developed by the students and supported with dedicated faculty mentorship.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Creative Enterprise and Cultural Leadership, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The filmmaking practices concentration provides preprofessional students with the knowledge and experience to prepare them for entry-level positions in media and entertainment production, producing and film management, or to enter advanced graduate-level education. Screenwriting allows students to develop a diverse and unique writing portfolio and an understanding of the creative and professional skills required to establish and maintain a successful career as a writer.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232
fdt@asu.edu
480-965-5337

\section*{Graphic Design, BSD (ARGRABSD)}

Campus: Tempe

\section*{Program Description:}

The faculty in The Design School offer the BSD in graphic design.

Graphic designers are responsible for designing how information is communicated. Forms of communication include print, video, film and electronic (Web). Graphic designers are concerned with:
- appearance
- choosing the appropriate mechanism for communication
- clarity of information and its effectiveness
- how communication is transferred and received

This program places an emphasis on strategic communication, developed through a design process that includes research, analysis, conceptualization, planning and realization. The process leads to innovative visual communication design solutions for contemporary design problems that are local to global in scope.

All students who are admitted to the major must pass a degree milestone at the end of the first year to continue in the major. For more information on the milestone process, students should visit https://design.asu.edu/resources/students/milestones
(https://design.asu.edu/resources/students/milestones).

This is an eight-semester program requiring sequential completion of studio coursework (or approved equivalent) at any point of entry.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Based on a diversified portfolio upon graduation, students opting for the graphic design profession gain employment in:
- advertising and marketing design
- brand and corporate identity design
- broadcast (TV graphics) design
- interaction and interface design
- museum or exhibition design
- publication design
- visual communication design
- Web design

Specific examples of graphic designers' work include:
- annual reports
- books
- environmental graphics
- information design
- motion graphics
- multimedia presentations
- publications
- Web sites

Students may also pursue graduate studies leading to careers in design education and other fields of professional endeavor in design.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu/degree-programs
CDN 162
herbergeradvising@asu.edu
480-965-3536

\section*{Industrial Design, BSD (ARINDBSD)}

Campus: Tempe

\section*{Program Description:}

Industrial designers are responsible for the design of product and service systems that people use in their everyday lives. The BSD program in industrial design at ASU focuses on a new model of transdisciplinary product development called integrated innovation. Using this model of innovation, students systematically work through a matrix of four questions:
- What is valuable to users?
- What is possible through engineering?
-What is desirable to business?
-What is good for society and the environment?

The goal of the program is to help students learn how to create product and service systems that:
- benefit society while minimizing impacts on the environment
- can be realized through appropriate technology and engineering
- create measurable value for business
- satisfy people's needs

All students who are admitted to the major must pass a degree milestone to continue in the major at the end of the first year. For more information on the milestone process, students should visit https://design.asu.edu/resources/students/milestones (https://design.asu.edu/resources/students/milestones).

This is an eight-semester program requiring sequential completion of studio coursework (or approved equivalent) at any point of entry.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

After completing the program successfully, graduates have the option of working as designers in several capacities:

They may obtain employment as members of in-house design teams at corporations in a variety of industries including, but not limited to:
- consumer goods
- furniture
- health care and medical products
- packaging design
- sports and outdoor goods
- toys
- trade show and exhibit design
- transportation and mobility device design
- user interface design

Graduates may obtain employment with consulting firms that design products and services for a variety of clients. They may obtain employment with nonprofit institutions or nongovernmental organizations addressing specific social or environmental problems. They may pursue entrepreneurship opportunities; some graduates have established their own design and manufacturing ventures; or graduates may pursue teaching a variety of courses in art and design schools, colleges or universities, part time or full time.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu/degree-programs
CDN 162
herbergeradvising@asu.edu
480-965-3536
Interior Design, BSD (ARINTBSD)
Campus: Tempe

\section*{Program Description:}

Coursework in the BSD program in interior design examines the context and spaces in which individuals and groups live and work.

Interior designers create environments within buildings that meet the physical and psychological needs of individuals and institutions, providing a useful, rich and rewarding environment for their lives. Interior design involves the design of space, equipment and furniture. It requires substantial technical and organizational understanding; sensibility to form, lighting, color and texture; and an awareness of design history and theory.

All students who are admitted to the major must pass a degree milestone at the end of the first year to continue in the major. For more information on the milestone process, students should visit https://design.asu.edu/resources/students/milestones
(https://design.asu.edu/resources/students/milestones).

This is an eight-semester program requiring sequential completion of studio coursework (or approved equivalent) at any point of entry.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates find employment opportunities with interior design firms or architecture firms and corporations, and governmental entities of any size. Firms may specialize in interior design for residential, commercial, retail, hospitality, institutional and health care spaces. Career specialties include historic restoration, branding, sustainability, new product innovation and incorporation of new technology.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu/degree-programs
CDN 162
herbergeradvising@asu.edu
480-965-3536

\section*{Landscape Architecture, BSLA (ARPLABSLA)}

Campus: Tempe

\section*{Program Description:}

The BSLA program offers students the opportunity to engage with the community in applied projects that focus on designing sustainable outdoor environments and improving the ecological and social health of the urban environment

Undergraduate landscape architecture program projects can range from large-scale work encompassing urban design, landscape reclamation, open space preservation planning, and landscape ecological design to projects at the more intimate scale of a neighborhood park or residential back yard. Emerging areas of focus include biotechnical design; urban agriculture; greenways, green roofs and living walls; and healing environments. Students complement their design learning with electives from a broad range of approved courses.

All students must pass a degree milestone at the end of the first year to continue in the major. For more information, students should visit https://design.asu.edu/resources/students/milestones (https://design.asu.edu/resources/students/milestones).

This is an eight-semester program requiring sequential completion of studio coursework (or approved equivalent).

Additional Program Fee: Y

First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is 4.00 = "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree program is designed to prepare students for landscape architecture professional practice and advanced study at the graduate level, and graduates have found employment in nationally recognized firms working with notable landscape architects in large multinational firms or in public agencies. Graduates also have gone on to pursue graduate study at universities with distinguished graduate programs in landscape architecture and allied design fields.

The U.S. Bureau of Labor Statistics projects employment for landscape architects will grow 16 percent from 2010 to 2020, about as fast as the average for all occupations. The bureau also notes that "employers prefer to hire entry-level landscape architects who have internship experience,
which significantly reduces the amount of on-the-job training required." The bachelor's degree program has an internship requirement meant to address this preference and better prepare graduates for employment.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
The Design School
https://design.asu.edu
CDN 162
herbergeradvising@asu.edu
480-965-3536
Music, BA (FAMUSBA)
Campus: Tempe

\section*{Program Description:}

The BA program in music provides students with a broadly based liberal arts degree applicable to careers in music and many other fields. The music curricular core provides more flexibility than a BMus, leading students to develop mainstream and alternative musical competencies; to explore music as human history, cultural artifact and social behavior; and to pursue other areas of interest.

Additional Program Fee: Y
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Creative Enterprise and Cultural Leadership, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at http://music.asu.edu/admissions/undergraduateauditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements:
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to work in various professional or entrepreneurial capacities, including:
- music criticism and research, ethnomusicology and musicology
- music entrepreneurship, concert management and promotion
- music publishing
- performing in community and professional ensembles in a variety of styles and traditions
- teaching in a private studio or community program

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

\section*{Music (Music and Culture), BA (HIMUSMCBA) \\ Campus: Tempe}

\section*{Program Description:}

The BA program in music with a concentration in music and culture provides students with a broadly based liberal arts degree applicable to careers in music and many other fields. The music curricular core is combined with elective flexibility, leading students to develop mainstream and alternative musical competencies; to explore musics as human history, cultural artifact and social behavior; and to pursue other areas of interest. This is a liberal arts-based degree program in which students have a higher percentage of elective courses, allowing them to tailor both the General Studies courses and the music electives to suit their career goals.

\section*{Additional Program Fee: Y}

Second Language Requirement: Yes
First Required Math Course: MAT 117-College Algebra
Or MAT 119 or MAT 142

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Review audition information at http://music.asu.edu/admissions/undergraduate-auditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Audition process for admittance to music and culture concentration:
- Submit a writing sample, which will be evaluated by all musicology faculty members.

Submit evidence of musicianship broadly defined (basic notational literacy plus live audition on, for example, didgeridoo or gospel-style composition, or documented transdisciplinary installation including music), which will be evaluated by all musicology faculty.
- Attend an interview with at least three musicology faculty members.
- Each student will be matched with a musicology advisor at the time of acceptance. The advisor will assist students in the choice of ensembles (as qualified) and electives to support their programs of study. Students must audition and be accepted into large ensembles following established procedures.
- Students who wish to take studio lessons as part of the degree must audition for the appropriate performance faculty members. Students should follow the BA in music audition requirements.

Application Deadlines:Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Spring 2018: The deadline to apply for admission to this program is Oct. 16, 2017.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements:
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.
Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program prepares students for potential careers in fields that require skilled written communication, the ability to conduct research both in electronic and print media, critical and logical thinking, the dissection of an argument and careful time management. In addition to the careers listed below, graduates may pursue jobs in music and medical humanities or copyright and entertainment law. Graduates are prepared to work in various professional capacities, including:
- music criticism and research, ethnomusicology and musicology
- music entrepreneurship, concert management and promotion
- music in culture, music blogging
- music publishing, program annotation
- performing in community and professional ensembles in a variety of styles and traditions
- teaching in a private studio or community program
- work as a music librarian
- work in music-related fields

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/musicology
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

\section*{Music Education, BMUS (FAMUSEBM)}

Campus: Tempe

\section*{Program Description:}

The BMus program in music education is designed for students interested in pursuing careers as music teachers in the public schools. The degree program also prepares students for K-12 teaching certification.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at http://music.asu.edu/admissions/undergraduateauditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Spring 2018: The deadline to apply for admission to this program is Oct. 16, 2017.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements:
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to teach in public and private school music programs that offer a variety of music classes, including general music, choir, band, orchestra, strings and other innovative music programs.

Graduates also are prepared to work in various professional or entrepreneurial capacities, including:
- performing in community and professional ensembles in a variety of styles and traditions or as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school and community programs as artist-in-residence
- teaching in a private studio or community program
- working in music-related fields such as media production, music business, publishing, marketing and education

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/music-education
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

\section*{Music Therapy, BMUS (FAMUSTHBM)}

Campus: Tempe

\section*{Program Description}

The BMus program in music therapy prepares students for a career in the health care and special education professions. Music therapists use carefully planned music interventions to achieve desired changes in client individualized behavior and functioning. Music therapy is a profession in which engagement in active music-making helps a client achieve nonmusical therapeutic goals. Educating the potential music therapist requires both a wide range of musical skills and the ability to work with people in a therapeutic manner. Music therapy students have many opportunities to develop their clinical skills. Students also study:
- human anatomy
- musical improvisation
- popular music styles
- psychology
- songwriting
- special education
- world music

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at http://music.asu.edu/admissions/undergraduateauditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Spring 2018: The deadline to apply for admission to this program is Oct. 16, 2017.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements:
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

Graduates are eligible to sit for the music therapy certification examination given by the Certification Board for Music Therapists. Positions are available regionally and nationally in hospitals, schools, rehabilitation centers, nursing homes and other health care facilities. Graduates are prepared to work in:
- community music therapy and wellness
- geriatric care
- mental health
- physical rehabilitation
- special education
- veteran and military populations

A music therapy career may also provide an opportunity for private practice with flexible hours.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/music-therapy
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

\section*{Performance (Collaborative Piano), BMUS (FAMUSPPBM)}

Campus: Tempe

\section*{Program Description:}

The BMus in performance with a concentration in collaborative piano offers private instruction in both solo and collaborative piano, offers faculty coaching of chamber music repertoire as well as offers ample opportunity for extensive collaborative performance experiences. The program focuses on the core repertoire of art song, piano chamber music and selected works from the operatic, musical theatre and oratorio repertoire. Collaboration within the School of Music involves all performance areas, including:
- classes and opportunities with the Lyric Opera Theatre
- concerts with large ensembles and choirs
- duo recitals with instrumental and voice colleagues
- performances of great chamber music literature

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at http://music.asu.edu/admissions/undergraduateauditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission

Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Spring 2018: The deadline to apply for admission to this program is Oct. 16, 2017.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to work in various professional or entrepreneurial capacities, including:
- performing as a choral, collaborative or orchestral pianist or in music theatre and opera pit ensembles and chamber music ensembles
- recording and studio work
- teaching in a private studio and community program
- working as a vocal coach or in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/piano
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

\section*{Performance (Guitar), BMUS (FAMUSPGBM)}

Campus: Tempe

\section*{Program Description:}

The BMus in performance with a concentration in guitar is a program that focuses on the study of classical guitar literature and techniques. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue careers as professional musicians. The course of study includes extensive performance experiences.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at http://music.asu.edu/admissions/undergraduateauditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements:
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute or one of its programs must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to work in various professional or entrepreneurial capacities, including:
- performing as a concert soloist or in chamber music ensembles or as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school programs or serving on state or community arts councils as artist-in-residence
- recording and studio work
- teaching in a private studio or community program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/strings
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

\section*{Performance (Jazz), BMUS (FAMUSPJBM)}

Campus: Tempe

\section*{Program Description:}

The BMus in performance with a concentration in jazz places an emphasis on the improvisational aspects of jazz. The curriculum combines jazz performance, composition and pedagogy in a program that allows the student to express himself or herself musically while emphasizing the skills necessary to pursue a career as a professional musician. The study of jazz performance can be a suitable background for work in:
- contemporary composition
- film scoring, writing and arranging
- performance
private instruction
- recording studios
- teaching jazz pedagogy and other related fields in the music industry

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at http://music.asu.edu/admissions/undergraduate-auditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Spring 2018: The deadline to apply for admission to this program is Oct. 16, 2017.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements:
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to work in various professional or entrepreneurial capacities, including:
- accompanying
- jazz composing or arranging
- performing as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- recording and studio work
- teaching in a private studio or community program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/jazz-studies
MUSIC E167
MusicAdmissions@asu.edu
480-965-3371

\section*{Performance (Keyboard), BMUS (FAMUSPKBM)}

Campus: Tempe

\section*{Program Description:}

The BMus in performance with a concentration in keyboard is a program that focuses on the study of literature and techniques of the piano or organ. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experience.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should isit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at http://music.asu.edu/admissions/undergraduateauditions (http://music.asu.edu/admissions/undergraduate-auditions).

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Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Spring 2018: The deadline to apply for admission to this program is Oct. 16, 2017.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements:
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.
institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to work in various professional or entrepreneurial capacities, including:
- performing as a concert soloist or in chamber music ensembles
- performing as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school programs or serving on state or community arts councils as artist-in-residence
- recording and studio work
- teaching privately or in a professional music school, a college or a university program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs

\title{
Performance (Music Theatre), BMUS (FAMUSPMBM)
}

\author{
Campus: Tempe
}

\section*{Program Description:}

The BMus in performance with a concentration in music theatre is an intensive, performance-oriented program designed to hone all the skills necessary for the complete musical theatre artist. Training includes private voice lessons every semester of study as well as specialized instruction in acting, dance, audition techniques, technical production, repertoire classes, scene study and performance. A unique feature of this program includes an innovative sequence of musical theatre performance courses throughout the degree, designed to synthesize all the abilities necessary to succeed as a professional musical theatre performer in the 21 st century.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Review audition information at http://music.asu.edu/admissions/undergraduate-auditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Spring 2018: The deadline to apply for admission to this program is Oct. 16, 2017.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements:
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}
cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This degree program is designed for individuals who plan a career as a performing singer and actor or actress in opera, operetta, musicals and other forms of musical theatre. Graduates become conductors, teachers, singers and actors or actresses and are prepared to work in various professional capacities, including performance:
- at universities, colleges and schools
- in major opera houses
- in national touring companies
- on Broadway

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for School of Music
https://music.asu.edu/opera-musical-theatre
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

\section*{Performance (Orchestral Instrument), BMUS (FAMUSPOBM)}

\author{
Campus: Tempe
}

\section*{Program Description:}

The BMus in performance with a concentration in an orchestral instrument focuses on the study of music literature and techniques on a specific orchestral instrument. Goals of study include building and emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experience in large ensembles, as a soloist and as a chamber musician.

Additional Program Fee: Y

\section*{Second Language Requirement: N}

First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at http://music.asu.edu/admissions/undergraduateauditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Spring 2018: The deadline to apply for admission to this program is Oct. 16, 2017.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to work in various professional or entrepreneurial capacities, including:
- performing as a concert soloist, as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks, or performing in orchestras, chamber music ensembles, music theatre and opera pit ensembles
- presenting school and community programs
- recording and studio work
- teaching privately or as part of a college or university program
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for School of Music
https://music.asu.edu/degree-programs
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069
Performance (Voice), BMUS (FAMUSPVBM)
Campus: Tempe

\section*{Program Description:}

The BMus program in performance with a concentration in voice focuses on the study of vocal technique, literature and performance while emphasizing the skills necessary to pursue a career as a professional singer. The program includes extensive performance experience and opportunities to explore many different singing styles.

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at http://music.asu.edu/admissions/undergraduateauditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event an applicant is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Spring 2018: The deadline to apply for admission to this program is Oct. 16, 2017.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements:
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:
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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Transfer from an Arizona Community College:

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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to work in various professional and entrepreneurial capacities, including:
- performing as a soloist, or a stage performer, or a choral singer or as a freelance musician in venues such as art galleries, churches, clubs, cruise ships, resorts, restaurants and theme parks
- presenting school programs, or state or community arts councils as artist-in-residence
- recording and studio work
- teaching in a private studio and community program
- working in music-related fields such as media production, music business, publishing, marketing or arts administration

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/voice
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

\section*{Performance and Movement, BA (HIPERMVBA)}

Campus: Tempe

\section*{Program Description:}

The BA in performance and movement is an inclusive, transdisciplinary degree program that encourages students to develop collaborative approaches to learning and professional industry skills in the performing arts. This program is grounded in cultivating community practice through theatre, dance and music. The bachelor's degree program is located within the ecosystem of Phoenix, the sixth largest urban center in the United States, and enabling students to understand, deconstruct and uplift diverse artistic modes across media and encouraging the student to create a flexible degree program that intersects and engages these areas of interest. This degree program offers a number of focus areas: dance and theatre, music theatre, social and partnership dance, and urban arts.

Dance and theatre --- The dance and theatre focus area is designed for dancers who seek experience working with theatrical performance and acting; actors and performers who seek to balance text and voice work with movement exploration; and writers and directors who want to explore a wide range of approaches to live performance.
performance and dance. Students are offered a variety of courses within the School of Music and the School of Film, Dance and Theatre. This unique academic program allows students to blend key elements of traditional musical theatre curriculum with an expanded focus on foundational courses that provide skills and tools to be a well-rounded theatre artist.

Social and partnership dance --- The social and partnership dance focus area is an innovative program that allows students to explore multiple styles and approaches in social and partnership dance both in formal classroom study and informal student-centered community events. The focus area seeks to prepare future Latin social and ballroom dance leaders with pedagogical, performance and community-building strategies to support the need for serving local and national community engagement in social dance as a means to create social transformation and change.

Urban arts --- The urban arts focus area is designed for the student interested in melding intersectional embodied practice, social justice and urban arts culture by offering a critical look at the historical, social and practical application of urban arts scholarship and culture. The program focus spans various forms of urban artistry and expression through thought-provoking in-studio courses and hands-on practical application and connects students with scholars and urban arts practitioners, to embrace the interdisciplinary nature of urban arts: dance, music, visual and voice.

Additional Program Fee: \(Y\)
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree in performance and movement provides an excellent broad-based foundation for work in the arts or entertainment professions or readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis combined with a focus on physical presence prepares graduates for a variety of occupations in both performance and nonperformance fields. Opportunities may include work with:
- arts entrepreneurship
- professional performing
- studio ownership and management
- themed entertainment

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232
fdt@asu.edu
480-965-5337
Theatre, BA (FATHEBA)
Campus: Tempe

\section*{Program Description:}

The BA program in theatre provides students with a rigorous academic and hands-on theatre education within the context of a liberal arts degree. The program offers specialty coursework in the following areas:
- film
- design and production
- new work development
- performance
- theatre and performance studies
- theatre for youth

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Creative Enterprise and Cultural Leadership, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)

Additional Requirements:
Students interested in the BA in theatre are admitted directly into the major by indicating their degree preference on their ASU admission application.

Students interested in the BA in theatre, BA in theatre with a concentration in acting, or BA in theatre with a concentration in design and production will enter as BA theatre majors. Once students begin to complete classes at ASU in the BA theatre program, they may apply to a concentration in either acting or design and production.

Transfer Admission Requirements:
Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Transfer from an Arizona Community College:

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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Transfer from another state:

Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree program in theatre provides an excellent broad-based foundation for work in the arts or entertainment professions or readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis prepares graduates for a variety of occupations in both theatre and nontheatre fields. Opportunities may include work with:
- arts entrepreneurship
- commercial entertainment
- production companies in theatre, television or film
- schools

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232
fdt@asu.edu
480-965-5337

\section*{Theatre (Acting), BA (FATHEABA)}

Campus: Tempe

\section*{Program Description:}

The BA program in theatre with a concentration in acting provides students with a rigorous academic and hands-on theatre education that emphasizes performance in both live theatre and recorded media. Within the context of a comprehensive liberal arts education, the program prepares students for both advanced graduate study in the field and entry-level careers in acting and performance. The program offers specialty coursework in the following areas:
- film
- movement
- new work development
- performance styles
theatre for youth
- voice and speech

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Students interested in the BA in theatre are admitted directly into the major by indicating their degree preference on their ASU admission application.

Students interested in the BA in theatre, BA in theatre with a concentration in acting, or BA in theatre with a concentration in design and production will enter as BA theatre majors. Once students begin to complete classes at ASU in the BA theatre program, they may apply to a concentration in either acting or design and production.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree program in theatre with a concentration in acting provides an excellent broad-based foundation for work in the profession. It prepares students for advanced graduate study and independent career pursuits in performance. It offers students advanced study that can lead to careers in professional theatre, film, television, media, education and other related arts disciplines.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232

\section*{Theatre (Design and Production), BA (FADSNPRBA)}

\section*{Campus: Tempe}

\section*{Program Description:}

The BA program in theatre with a concentration in design and production provides students with a rigorous academic and hands-on theatre education with an emphasis on design and production for performance. Within the context of a comprehensive liberal arts education, the program prepares students for both advanced graduate study in the field and for entry-level careers in entertainment design and production. The program offers specialty coursework in the following areas:
- costume design and technology
- lighting design and technology
- media design and technology
- scenic design and technology
- sound design and technology
stage management
- technical direction
Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
OR MAT 117 OR MAT 119

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements. Freshman (https://students.asu.edu/freshman/requirements)

Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Students interested in the BA in theatre are admitted directly into the major by indicating their degree preference on their ASU admission application.

Students interested in the BA in theatre, BA in theatre with a concentration in acting, or BA in theatre with a concentration in design and production will enter as BA theatre majors. Once students begin to complete classes at ASU in the BA theatre program, they may apply to a concentration in either acting or design and production.

Transfer Admission Requirements:
Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum and subject to departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree program in theatre provides an excellent broad-based foundation for work in the profession or readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis prepares graduates for a variety of occupations. The design and production concentration offers students advanced study that can lead to careers as designers or technicians in the performing arts and the entertainment industry.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Film, Dance and Theatre
https://filmdancetheatre.asu.edu/
GHALL 232
fdt@asu.edu
480-965-5337

\section*{Theory and Composition (Composition), BMUS (FAMUSTCBM)}

Campus: Tempe

\section*{Program Description:}

Students pursuing the BMus in theory and composition must choose a concentration in either theory or composition, and completion of the requirements for this concentration result in the award of one degree in either theory or composition. Students who select the concentration in composition focus on developing techniques for writing music. The School of Music offers students the opportunity to study with composers who have established national and international reputations. This program may be used as the first step toward a master's degree or doctorate in music composition or another graduate academic music degree.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N

\section*{Program Math Intensity: Genera}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at http://music.asu.edu/admissions/undergraduateauditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines. Submission of a prescreening portfolio is required for all composition applicants. Applicants may review audition information at "a href="https://music.asu.edu/admissions/undergraduate-auditions">https://music.asu.edu/admissions/undergraduate-auditions.

Spring 2018: The deadline to apply for admission to the Bachelor of Music in composition is Oct. 2, 2017. A prescreening portfolio is required, uploaded to the online School of Music Application.

Fall 2018: The deadline to apply for admission to the Bachelor of Music in composition is Dec. 1, 2017. A prescreening portfolio is required, uploaded to the online School of Music Application.

Transfer Admission Requirements:
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to work in various professional or entrepreneurial capacities, including:
- arranging
- composing
- performing in community and professional ensembles in a variety of styles and traditions
- presenting school programs, or state or community arts councils as artist-in-residence
- teaching in a private studio and community program
- teaching theory and composition
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field.

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/composition-theory
MUSIC E167
MusicAdmissions@asu.edu
480-965-3371

\section*{Theory and Composition (Theory), BMUS (FAMUSTTBM)}

Campus: Tempe

\section*{Program Description:}

Students pursuing the BMus in theory and composition must choose a concentration in either theory or composition, and completion of the requirements for this concentration result in the award of one degree in either theory or composition. Students who select the concentration in theory focus on the theoretical study of music. The School of Music offers students the opportunity to study with theorists who have established national and international reputations. This program may be used as the first step toward a master's degree or doctorate in music theory or another graduate academic music degree.

Additional Program Fee: Y

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Students should visit https://music.asu.edu/admissions/undergraduate-steps-to-apply (https://music.asu.edu/admissions/undergraduate-steps-to-apply) for details. Admission to the School of Music is based on an audition. Live auditions take place on campus in November (spring admission) and in January and February (fall admission) of each year. Applicants may review audition information at http://music.asu.edu/admissions/undergraduateauditions (http://music.asu.edu/admissions/undergraduate-auditions).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event a student is admitted to ASU but not to the School of Music or misses the audition deadline, the student will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Students should visit http://music.asu.edu/admissions/undergraduate-deadlines-fees (http://music.asu.edu/admissions/undergraduate-deadlines-fees) for complete music deadlines.

Spring 2018: The deadline to apply for admission to this program is Oct. 16, 2017.

Fall 2018: The deadline to apply for admission to this program is Jan. 5, 2018.

Transfer Admission Requirements:
Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

\section*{Change of Major Requirements:}

An ASU student who would like to change majors to one offered by the Herberger Institute for Design and the Arts must have a minimum cumulative GPA of 2.50 (scale is \(4.00=\) "A"). Students should refer to https://students.asu.edu/changingmajors
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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\section*{Transfer from a Maricopa Community College in Arizona:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to work in various professional capacities, including:
- arranging
- composing
- performing in community and professional ensembles in a variety of styles and traditions
- presenting school programs, or state or community arts councils as artist-in-residence
- teaching in a private studio or community program
- teaching theory and composition
- working in music-related fields such as media production, music business, publishing and marketing

Many graduates pursue a master's degree or a doctorate in music or in another professional field

\section*{Contact Information:}

Design \& the Arts, Herberger Institute for
School of Music
https://music.asu.edu/degree-programs/composition-theory
MUSIC E167
MusicAdmissions@asu.edu
480-965-3371

\section*{Engineering, Ira A. Fulton Schools of}

\section*{Aeronautical Management Technology (Air Traffic Management), BS (ESAMTATBS)}

Campus: Polytechnic

\section*{Program Description:}

The BS program in aeronautical management technology with a concentration in air traffic management provides a technical foundation in the air traffic control procedures used by air traffic controllers in air traffic control towers and air traffic control radar facilities. Students gain a strong background in aircraft operations, management skills and business principles through coursework specific to air traffic control and aviation. As a part of the degree program, students are required to take courses that will qualify them to earn their airline dispatcher certificate.

This is an intensive program of classroom study and laboratory practice using state-of-the-art air traffic control simulators to enhance and reinforce classroom study. Students develop the following skills:

\footnotetext{
- analytical thinking
}
- clear and concise communication
- problem-solving
- teamwork

The Aviation Accreditation Board International accredits this program and the Federal Aviation Administration certifies flight and ground instruction.

\author{
Additional Program Fee: N \\ Second Language Requirement: N \\ First Required Math Course: MAT 170 - Precalculus \\ Program Math Intensity: Moderate
}

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Technology (Aviation Management and Human Factors), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)
Additional Requirements:
To be considered for employment by the Federal Aviation Administration, graduates of the program need to be aware of minimum requirements for employment. See https://www.faa.gov/jobs/career_fields/aviation_careers (https://www.faa.gov/jobs/career_fields/aviation_careers/) for more information. Graduates of the program are not guaranteed employment by the Federal Aviation Administration. Students who do not have U.S. citizenship may be admitted to the program but will not be eligible for employment by the Federal Aviation Administration.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)

Gila Community College(https://transfer.asu.edu/tag)
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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Federal Aviation Administration's 2016 Controller Workforce Plan has projected that the agency plans to hire more than 7,400 new controllers over the next five years to keep pace with the expected attrition rate and traffic growth. The total number of planned hires for the period of 2016-2025 is 12,088 new controllers. Increases in the volume of air traffic will require more controllers to handle the additional work. New computerized systems will assist controllers by automatically making many of the routine decisions. This will allow controllers to handle more traffic, thus increasing their productivity.

To prepare for this challenge, students receive training in the methodologies and technologies that are currently being developed for the next generation of air traffic control systems. Despite the obvious demand for new controllers in the immediate future, competition to get into the FAAapproved training programs is expected to remain intense as there generally are many more applicants than there are openings. Graduates who have met all the FAA requirements will be eligible for consideration for employment.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)}

Campus: Polytechnic

\section*{Program Description:}

The air transportation management concentration, under the BS program in aeronautical management technology, provides students with a strong foundation of aviation concepts, including aviation law, policy and human factors as well as technical knowledge focusing on power plants, structures and aerodynamics. Students then progress into courses focusing on business and management and operational aspects of aviation such as airline administration and airport planning. All students finish the program by participating in an internship within industry and completion of a capstone project.

This program prepares students for leadership positions within airlines, airports, government, consulting and entrepreneurial enterprises.

The Aviation Accreditation Board International accredits this program.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Technology (Aviation Management and Human Factors), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Transfer from an Arizona Community College:

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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A degree in air transportation management prepares graduates for these careers:
- airline manager
- airline operations manager
- airport manager
- aviation consulting
- entrepreneurial ventures
- fixed based operations
- general aviation operations manager
- governmental positions with the Federal Aviation Administration, Department of Transportation and National Transportation Safety Board

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/air-transportation-management-bs/
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)}

Campus: Polytechnic

\section*{Program Description:}

Students in the professional flight concentration learn to fly in an academic environment that prepares graduates for careers as professional pilots. Flight training is offered by an ASU-approved flight provider in late-model aircraft equipped with state-of-the-art avionics. The Polytechnic campus is adjacent to the Phoenix-Mesa Gateway Airport where flight instruction takes place. Students may take advantage of pathway agreements for guaranteed interviews with regional air carriers.

This program is for students who are seriously interested in becoming professional airline pilots. Graduates are prepared to assume responsibilities in a wide variety of technically related areas within professional aviation flight operations.

The Aviation Accreditation Board International accredits this program and the Federal Aviation Administration certifies flight and ground instruction.

Additional course-related fees apply; students should see the program website for more information.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Technology (Aviation Management and Human Factors), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: This major has additional admission requirements including Federal Aviation Administration requirements. Students will be admitted to the preprofessional status and then complete additional requirements for admission to the professional program. See http://innovation.asu.edu/degrees-programs/human-environmental-systems/professional-flight-undergraduate (http://innovation.asu.edu/degrees-programs/human-environmental-systems/professional-flight-undergraduate) for more information.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The professional flight concentration offers students private pilot, commercial pilot and flight instructor certificates as well as instrument pilot, instrument instructor and multiengine pilot ratings. With these flight qualifications and the technically based bachelor's degree, the graduate has a wide variety of career opportunities, including flight crew service on commercial and business aircraft.

Career opportunities include:
- airline pilot
- corporate pilot

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/professional-flight-bs/
WANER 201
polyadvising@asu.edu
480-727-1874

\title{
Aeronautical Management Technology (Unmanned Aerial Systems), BS (TSAMTUASBS) Campus: Polytechnic
}

\section*{Program Description:}

The unmanned aerial systems concentration prepares students for careers in the rapidly growing area of unmanned aerial systems, including operations, remote sensing, data collection and analysis. The concentration incorporates all aviation management technology core courses and unmanned aerial systems concentration courses. This provides an overview of unmanned aerial systems operations followed by detailed knowledge of unmanned aerial systems-specific systems and technology (ground control stations; data links; flight planning and operations; search, detect and avoid technologies; and payloads) and unmanned aerial systems sensor operations. A critical aspect of this academic area of study is the data capture and transfer of the sensor information collected from the unmanned aerial vehicle. This innovative concentration brings together the most up-to-date and relevant aspects facing multiple industries today by addressing flight system planning and operations and the employment of the systems in the congested National Airspace System.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Technology (Aviation Management and Human Factors), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Transfer from an Arizona Community College:
Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students graduating from this program will find various employment opportunities as unmanned aerial vehicle pilots and sensor operators in both the U.S. and worldwide. This concentration prepares students to operate small to mid-range platforms that will be used by emergency responders, forestry, agriculture, energy and oil, and other similar industries. Entry-level pay is competitive for this highly specialized field.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/unmanned-aerial-systems-bs/
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)}

Campus: Tempe

\section*{Program Description:}

The aerospace engineering curriculum provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems. The aeronautics concentration, under the BSE in aerospace engineering, emphasizes engineering and the design of aircraft, helicopters, missiles and other vehicles that fly through the atmosphere. Topics in required courses cover:
- aerodynamics
- aerospace materials
- aircraft structures
- flight mechanics
- propulsion
- stability and control

Required astronautics topics include:
- attitude control
- orbital mechanics

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org/).

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:

\section*{Aerospace Engineering, MS}

Mechanical Engineering, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum

TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Change of Major Requirements:}

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should see https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

\section*{Career Opportunities:}

A majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace engineering include:
- aeronautical and space systems integration
- configuration development
- material and structural design
- propulsion engineering
- space mission design and analysis
- vehicle and component analysis using computer-aided tools
- vehicle design and performance
- wind tunnel and flight testing

The aerospace engineering program has the following educational objectives:
- Through volunteering, entrepreneurial endeavors, community service, employment, etc., graduates of the aerospace engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability. Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after completing their degrees:
- employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within the organization
- admission into a graduate degree program in aerospace engineering or other technical field
- admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
http://semte.engineering.asu.edu/aerospace-undergraduate/
ECG 202
semte@asu.edu
480-965-2335

\section*{Aerospace Engineering (Astronautics), BSE (ESAEASBSE)}

\section*{Campus: Tempe}

\section*{Program Description:}

The aerospace engineering curriculum provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems.

The astronautics curriculum covers:
- attitude determination and control
- elective topics in aeronautics
- gas dynamics
- orbital mechanics
- rocket propulsion
- space environment
space structures
- telecommunications

Students in the astronautics concentration culminate their major study with a capstone design project that incorporates the multiple disciplines involved in the creation of a space-going vehicle.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Aerospace Engineering, MS
Mechanical Engineering, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Additional Requirements:}

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Change of Major Requirements:}

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for information about how to change their major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Transfer from an Arizona Community College:

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Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace engineering include:
- aeronautical and space systems integration
- configuration development
- material and structural design
- propulsion engineering
- space mission design and analysis
- vehicle and component analysis using computer-aided tools
- vehicle design and performance
- wind tunnel and flight testing

The aerospace engineering program has the following educational objectives:
- Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the aerospace engineering program demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability. Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after completing their degrees:
- employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within their organization
- admission into a graduate degree program in aerospace engineering or other technical field
- admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
http://semte.engineering.asu.edu/aerospace-undergraduate/
ECG 202
semte@asu.edu
480-965-2335

\section*{Aerospace Engineering (Autonomous Vehicle Systems), BSE (ESAEAVSBSE)}

Campus: Tempe

\section*{Program Description:}

Emerging emphasis on autonomous aircraft technology and operations in both military and civilian sectors signals a new era within the aeronautical community focused on autonomous vehicles and systems. The autonomous vehicle concentration will provide graduates with knowledge and skills required for any career in aerospace engineering plus those specific to unmanned aerial vehicles and systems. The concentration curriculum is structured so that students will have general exposure to the engineering of autonomous aircraft plus track courses in one area important to this field. The tracks are guidance, navigation and control; and communications. Both tracks are intended for aerospace engineering students. All paths through this concentration satisfy accreditation criteria for aerospace engineering.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Aerospace Engineering, MS
Mechanical Engineering, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

\section*{Freshman Admission:}
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Change of Major Requirements:}

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students who earn a degree in this concentration will be prepared for a career in the aerospace industry, focusing on unmanned vehicles.

The aerospace engineering program has the following program educational objectives:
- Through volunteering, entrepreneurial endeavors, community service, employment, etc., graduates of the aerospace engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.
Graduates of the aerospace engineering program should have attained one or more of the following objectives within a few years after completing their degrees:
- employment in aerospace or other field in a position that capitalizes on the skills and abilities gained through the degree in aerospace engineering, in positions of increasing responsibility and leadership within the organization
- admission into a graduate degree program in aerospace engineering or other technical field
- admission into a professional degree program, such as law or business, in accordance with the specific interests and abilities of the graduate

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
http://semte.engineering.asu.edu/aerospace-undergraduate/
ECG 202
semte@asu.edu
480-965-2335

\section*{Air Traffic Management, BS (TSATMBS)}

Campus: Polytechnic

\section*{Program Description:}

The air traffic management program provides a technical foundation in the air traffic control procedures used by air traffic controllers in air traffic control towers and air traffic control radar facilities. Students gain a strong background in aircraft operations, management skills and business principles through coursework specific to air traffic control and aviation. As a part of the degree program, students are required to take courses that will qualify them to earn their airline dispatcher certificate.

This is an intensive program of classroom study and laboratory practice using state-of-the-art air traffic control simulators to enhance and reinforce classroom study. Students develop the following skills:
- analytical thinking
- clear and concise communication
- problem-solving
- teamwork

The Aviation Accreditation Board International accredits this program and the Federal Aviation Administration certifies flight and ground instruction.
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Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

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\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Technology (Aviation Management and Human Factors), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
To be considered for employment by the Federal Aviation Administration, graduates of the program need to be aware of minimum requirements for employment. See https://www.faa.gov/jobs/career_fields/aviation_careers/
(https://www.faa.gov/jobs/career_fields/aviation_careers/) for more information. Graduates of the program are not guaranteed employment by the Federal Aviation Administration. Students who do not have U.S. citizenship may be admitted to the program but will not be eligible for employment by the Federal Aviation Administration.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)

Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Federal Aviation Administration's 2015 Controller Workforce Plan has projected that the agency plans to hire more than 6,300 new controllers over the next five years to keep pace with the expected attrition rate and traffic growth. The total number of planned hires for the period of 2015-2024 is 10,241 new controllers. Increases in the volume of air traffic will require more controllers to handle the additional work. New computerized systems will assist controllers by automatically making many of the routine decisions. This will allow controllers to handle more traffic, thus increasing their productivity.

To prepare for this challenge, students receive training in the methodologies and technologies that are currently being developed for the next generation of air traffic control systems. Despite the obvious demand for new controllers in the immediate future, competition to get into the FAAapproved training programs is expected to remain intense as there generally are many more applicants than there are openings. Graduates who have met all the FAA requirements will be eligible for consideration for employment.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/air-traffic-management-bs/
WANER 201
technology@asu.edu
480-727-1874

\section*{Applied Computer Science, BS (TSACSBS)}

Campus: Polytechnic

\section*{Program Description:}

The BS program in applied computer science provides students with an education that targets the computing profession. Students will learn to use mathematics, science and economics, along with technological knowledge and skill in the application of programming languages and software processes, to design, analyze, implement and test software systems and applications. The program is problem- and project-based, using the languages, tools and methods of computing best practices. Graduates gain significant exposure to team-based software development through industry-driven projects.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The current demand for software and computer hardware personnel is high, and the starting salaries for these employees are typically well above the average. Graduates find opportunities as members of an engineering team in software applications areas such as:
- databases
- embedded systems
- game development
- graphics
- mobile systems
- networks
- security
-Web applications

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Software Engineering
https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/
PICHO 245
cidse.undergrad@asu.edu
480-727-3520

\section*{Campus: Polytechnic}

\section*{Program Description:}

The BAS program is a transfer pathway specifically for students who have earned a community college AAS degree. The goal of the program is to provide students with management, leadership, critical thinking and communication skills along with significant work in a professional specialization. Students must complete an Associate of Applied Science degree to be eligible for this program. AA and AS students are not eligible for this program

This program allows students who have earned an Associate of Applied Science degree from a regionally accredited institution to transfer 60 credit hours toward a Bachelor of Applied Science degree at ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. The Bachelor of Applied Science curriculum builds on the general education content of the Associate of Applied Science and includes four blocks of credits: general studies, core, concentration and assignable credits.

The ASU General Studies requirements will be completed through upper-division coursework. The applied science core curriculum includes content in management and organization, professional communication, statistical processes and computer competency. The concentration has a 20-credit hour minimum of specialization courses. The assignable credits (six credit hours) are traditional electives selected in consultation with an advisor to enhance the curriculum. Assignable credit also can be used to strengthen math and science capabilities or computer skills.

Students in the Bachelor of Applied Science program can select one of six specialty concentrations shown below. Students who choose to create their own specialty should select the courses in conjunction with an advisor.
- aviation management technology
- electronic and energy systems
- graphic information technology
- Internet and Web development
- manufacturing technology and management
- operations management technology

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: ASC 315-Numeracy in Technology

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The wide range of concentrations provides graduates diverse career opportunities. Bachelor's degree program coursework gives the graduate greater skills to be successful as a professional working in a technical area. Graduates have the ability to supervise and manage people in highly specialized technical and service industry positions.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Tech Entrepreneurship \& Mgmt
https://poly.engineering.asu.edu/degrees/undergraduate-degrees/applied-science/
WANER 201
technology@asu.edu
480-727-1874

\section*{Applied Science (Aviation), BAS (TSAMTABAS)}

Campus: Polytechnic

\section*{Program Description:}

This program allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.

The concentration in aviation is for students who have received training and education in some aspect of the air transportation industry, such as air transportation management, flight or aviation maintenance, as part of their associate degree.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue)

Additional Program Fee: N

\section*{Second Language Requirement: N}

First Required Math Course:
Any math course with the MA general studies designation will satisfy the math requirement.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. Not available for freshmen.

\section*{Change of Major Requirements:}

Students interested in changing to this BAS program must have completed a related AAS degree at a regionally accredited college. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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\section*{Transfer from a Maricopa Community College in Arizona:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

Students receive an orientation in management practices that prepares them for advanced positions in the aviation management field.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Aviation Programs
https://poly.engineering.asu.edu/aviation/
WANER 201

\section*{Applied Science (Electronic Energy Systems), BAS (TSEESBAS)}

Campus: Polytechnic

\section*{Program Description:}

The BAS program is flexible, designed specifically for students who have earned an AAS from a regionally accredited institution.

The electronic and energy systems concentration serves students with an electronics background via three paths or emphasis areas: alternative energy, electronic systems and integrated electronic systems (focused on the semiconductor industry).

The alternative energy technologies emphasis explores various alternative energy resources. This program provides hands-on laboratory experience on energy conversion and storage technologies, including photovoltaics, fuel cells, batteries, electrolyzers and supercapacitors.

The electronic systems emphasis allows students to continue to develop a knowledge of electrical and electronic fundamentals, with an applications perspective and a focus on the general topics of microcontrollers and advanced digital controllers and how these are used in industry.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N

\section*{Second Language Requirement: N}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

\section*{Transfer from an Arizona Community College}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)

Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from the alternative energy emphasis are able to work in a number of different companies involved in alternative energy. These companies may be traditional energy production companies expanding into new production technologies or start-up companies involved in solar energy or fuel cells.

Graduates from the electronic systems emphasis are able to work as members of engineering teams in applied design, product development, manufacturing, production or operations. They may also be employed in technical services capacities, including field engineering, marketing or sales.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu
WANER 201
technology@asu.edu
480-727-1874

\section*{Applied Science (Graphic Information Technology), BAS (TSGITBAS)}

Campus: Polytechnic

\section*{Program Description:}

The BAS program with a concentration in graphic information technology allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a Bachelor of Applied Science degree at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.

This concentration in graphic information technology prepares graduates in the cross-media design technologies that includes Web design and development; 2D-3D animation; commercial photography and video; digital design, print and publishing.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: N}

\section*{Second Language Requirement: N}

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Technology (Graphic Information Technology), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)

Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Students applying to this program must have completed an Associate of Applied Science degree in a similar field such as computer graphic design, digital arts, digital photography, eLearning design specialist, game technology, graphic design, animation and Web publishing design, graphic design: visual communication, information technology; Web and graphic design, media arts; desktop publishing, media art; Web design, multimedia, multimedia and business technology, and video production technology.

\section*{Change of Major Requirements:}

Students interested in changing to this BAS degree must have completed a related AAS degree at a regionally accredited university in a similar program, such as graphic design, animation, visual communication, Web design and development, commercial photography and video, etc. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Because the program combines technical course work with management content, graduates are prepared to assume supervisory positions such as:
- art director
- commercial photographer or videographer
- front-end Web designer or developer
- graphic designer
- production manager
- user experience (UX) designer
- user interface (UI) designer

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Graphic Information Technology
https://poly.engineering.asu.edu/git/bas-graphic-information-technology/
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Applied Science (Internet and Web Development), BAS (TSIWDBAS)}

Campus: Polytechnic, Online

\section*{Program Description:}

The BAS program with a concentration in Internet and Web development allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a Bachelor of Applied Science degree at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.

The concentration in Internet and Web development focuses on the development of websites, including user experience design, usability, multimedia design, emerging Web technologies, and cross-media and cross-platform graphic applications. All courses for this program are available both on campus and online through ASU Online.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Technology (Graphic Information Technology), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Students applying to this program must have completed an Associate of Applied Science degree in Web design, Web development, media arts; digital animation, media arts; Web design, Web developer, Web designer, and graphic design, animation, and Web publishing design.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-applied-science-internet-and-web-development?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

Students interested in changing to this Bachelor of Applied Science degree, must have completed a related Associate of Applied Science degree at a regionally accredited university. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:
Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This degree program prepares graduates for careers in website design and development, usability, and user experience design.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Graphic Information Technology
https://poly.engineering.asu.edu/git/bas-internet-and-web-development/
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Applied Science (Manufacturing Technology and Management), BAS (TSMETFBAS) \\ Campus: Polytechnic}

\section*{Program Description:}

The BAS program is a flexible, 60 credit hour degree designed specifically for students who have earned an AAS from a regionally accredited institution.

The manufacturing technology and management concentration provides a broad understanding of the complex world of manufacturing.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program
(http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. Not available for freshmen.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Typically, students who graduate with this bachelor's degree concentration work in manufacturing, production or operations.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu
WANER 201

\section*{Applied Science (Operations Management), BAS (TSIMCOBAS)}

Campus: Polytechnic, Online

\section*{Program Description:}

The BAS program with a concentration in operations management prepares students for supervisory and management functions in industry, manufacturing, public service and other service organizations. Graduates will be able to provide strategic focus to meet organizational objectives by implementing best practices, managing people and creating value.

This program allows students who have an applicable AAS from an accredited institution to transfer 60 credit hours toward a Bachelor of Applied Science degree at ASU. Students pursuing this degree may have more than 60 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. Students should work with their academic advisor to ensure their courses will meet degree requirements.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N

\section*{First Required Math Course:}

Any math course with the MA general studies designation will satisfy the math requirement.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-applied-science-operations-management-technology?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

Students interested in changing to this Bachelor of Applied Science degree, must have completed a related Associate of Applied Science degree at a regionally accredited college. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
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Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:
California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree program in operations management technology prepares undergraduate students for supervisory and management functions in industry, manufacturing, public service and other service organizations.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Tech Entrepreneurship \& Mgmt
https://poly.engineering.asu.edu/tem/
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Biomedical Engineering, BSE (ESBMEBSE)}

Campus: Tempe

\section*{Program Description:}

Biomedical engineering applies principles of engineering to the study and resolution of problems in biology and medicine.
Graduates are trained to apply their skills in an ethical, sustainable and environmentally responsible manner to make contributions that address societal and individual needs.

The program objective is to prepare high-quality graduates with a broad-based education in biomedical engineering for productive employment, graduate study or professional programs, especially in human and animal medicine, biotechnology and related biology-based engineering fields; for continued development of technical knowledge, awareness and leadership abilities so graduates may address domestic or global issues in human health; and for preparation to ethically and responsibly contribute to society by drawing from an integrated, transdisciplinary biomedical engineering education that focuses on sustainability and environmentalism.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Biomedical Engineering, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their
academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Secondary Criteria
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Biomedical engineers are primarily employed in:
- governmental regulatory agencies
- hospital and research facilities
- medical and educational institutions
- medical device, biotechnology and pharmaceutical industries

In industry, they may work in all aspects of product development including:
- business development
- manufacturing
- marketing
- quality
- regulatory
- research and design
- sales

Because of their background in both the engineering and medical fields, they often serve a coordinating or interfacing function and provide a key role for transdisciplinary teams. Government positions may involve evaluating new technologies, testing product quality and safety, and setting standards.

In the hospital, biomedical engineers serving in a clinical engineering function may provide advice on the selection and use of medical equipment and supervise performance testing and maintenance. Biomedical engineers may also build customized devices for special health care, rehabilitation or research needs.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Harrington Bioengineering Program
https://sbhse.engineering.asu.edu/
ECG 334
sbhse-advising@asu.edu
480-965-3028
Chemical Engineering, BSE (ESCHEBSE)

\section*{Program Description:}

Chemical engineering deals with the application of chemistry, physics and mathematics to the process of converting raw materials or chemicals into more useful or valuable forms. Chemical engineering also involves the design of valuable new materials and chemical products.

The BSE offered in the chemical engineering program builds on a broad base of knowledge within the basic and mathematical sciences and engineering, and it offers excellent career opportunities. Chemical engineers are engaged in the development and production of a diverse range of products, including high-performance materials needed for aerospace, automotive, biomedical, electronic and environmental applications. The modern discipline of chemical engineering is intertwined with biology and biomedical engineering.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Chemical Engineering, MS
Materials Science and Engineering, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to https://engineering.asu.edu/admission-requirements (https://engineering.asu.edu/admission-requirements/) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Chemical engineers have traditionally played a key role in industries as varied as:
- artificial fibers
- ceramics
- food
- glass
- petrochemicals
- petroleum
- plastics
- primary metals
- specialty chemicals

There are also many newer fields with great demand for chemical engineering graduates, such as: semiconductors, biotechnology, biomedical engineering, modern materials (composites, superconductors) and the solution of environmental problems.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Chemical Engineering Program
https://semte.engineering.asu.edu/chemical-undergraduate/

\section*{Civil Engineering, BSE (ESCEEBSE)}

Campus: Tempe

\section*{Program Description:}

Civil engineering majors in the Ira A. Fulton Schools of Engineering have three choices within the accredited BSE program:
- civil engineering
- civil engineering with environmental engineering concentration
- civil engineering with sustainable engineering concentration

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by ABET.

Civil engineering involves the analysis, planning, design, construction, maintenance and application of sustainable practices in all areas of urban infrastructure for government, commerce, industry and the public domain. These include airports, bridges, canals, dams, factories, office towers, roadway systems, schools, tunnels and subway systems, and water purification facilities.

Civil engineers are concerned with the impact their projects have on the public and the environment; they coordinate the needs of society with technical and economic feasibility.

The curriculum exposes students to the following areas of civil engineering, with a strong emphasis on sustainability:
- construction engineering
- environmental engineering
- geotechnical engineering
- hydrosystems engineering
- structures
- transportation

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Civil, Environmental and Sustainable Engineering, MSE
Civil, Environmental, and Sustainable Engineering, MS
Construction Engineering, MSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum

TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5 , 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)

Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

ASU graduates with a bachelor's degree in civil engineering readily find employment. Civil engineers work in many different types of companies, from large corporations to small, private consulting firms or governmental agencies. A civil engineering background is an excellent foundation for jobs in management and public service. Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business. The bachelor's degree program prepares graduates for the fundamentals of engineering examination, the professional engineering examination and for graduate degree programs.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
https://ssebe.engineering.asu.edu/civil-environmental-sustainable-home/degree-undergrad/
CAVC 437
sebe.advising@asu.edu
480-965-0595

\section*{Civil Engineering (Environmental Engineering), BSE (ESCEEEBSE)}

Campus: Tempe

\section*{Program Description:}

Civil engineering majors have three choices within the accredited BSE program:
- civil engineering
- civil engineering with environmental engineering concentration
- civil engineering with sustainable engineering concentration

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by ABET.

Civil engineering with a concentration in environmental engineering is a transdisciplinary field based on traditional civil engineering principles and on chemistry, biology and geology. Environmental engineers are involved with:
- air pollution technology
- analysis of the fate and transport of pollutants
- application of sustainable practices in all areas of urban infrastructure
- construction of hazardous waste containment systems
- design and operation of water and wastewater treatment systems
- remediation of contaminated soils and waters
- surface water quality management
- water conservation and reuse

The curriculum also exposes students to other traditional civil engineering areas.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Civil, Environmental and Sustainable Engineering, MSE
Civil, Environmental, and Sustainable Engineering, MS
Construction Engineering, MSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5,2016 ) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

ASU graduates with a bachelor's degree in civil engineering with a concentration in environmental engineering find employment in:
- consulting firms
- industry
- municipalities
- regulatory agencies

The growth of environmental engineering positions has been balanced by the growing number of students entering the field, resulting in a stable job market.

A civil engineering background is an excellent foundation for jobs in management and public service. International opportunities are abundant and are likely to expand. The bachelor's degree program in civil engineering prepares graduates for the fundamentals of engineering examination, the professional engineering examination and graduate degree programs.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
http://ssebe.engineering.asu.edu/prospective-students/civil.html
CAVC 437
sebe.advising@asu.edu
480-965-0595
Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)
Campus: Tempe

\section*{Program Description:}

Civil engineering majors have three choices within the accredited BSE program:
- civil engineering
- civil engineering with environmental engineering concentration
- civil engineering with sustainable engineering concentration

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by ABET.

The bachelor's degree in civil engineering with a concentration in sustainable engineering incorporates systems modeling and life cycle approaches to assessing the resiliency and material selection across all areas of urban infrastructure, or built environment, currently addressed within the civil engineering degree. The program is designed to provide students with exposure to material from several disciplines that comply with the principles of economic, social and ecological sustainability and apply them to traditional civil engineering areas.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).

Additional Program Fee: Y
Second Language Requirement: \(N\)
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Civil, Environmental and Sustainable Engineering, MSE
Civil, Environmental, and Sustainable Engineering, MS
Construction Engineering, MSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

\section*{Freshman Admission:}
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5 , 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

Civil engineers with knowledge of sustainable engineering may find employment in many different types of companies: from large corporations to small, private consulting firms or governmental agencies. Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business. The bachelor's degree in civil engineering prepares graduates for the fundamentals of engineering examination, the principles and practice of engineering examination, and for graduate degrees.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of

Civil, Environmental and Sustainable Eng Program
https://ssebe.engineering.asu.edu/civil-environmental-sustainable-home/degree-undergrad/
CAVC 437
sebe.advising@asu.edu
480-965-0595

\section*{Computer Science, BS (ESCSEBS)}

Campus: Tempe

\section*{Program Description:}

Computer science professionals design, analyze and improve the quality of computer software and systems for a variety of applications, including:
- artificial intelligence
- computer vision
- graphics
- information management
- multimedia
- networking
- security

Examples of projects a computer scientist might work on include:
- computer networking
- database and information systems
- distribution processing systems
- gaming systems
- next-generation computing systems
- search engines
- software engineering
- Web services

The BS program in computer science focuses on the design of computers, computational processes for problem-solving and information transfer and transformation with an emphasis on improving software and system quality, security, performance and usability. The program supports the evolution of the computing and informatics disciplines: the integration of computer and information sciences with engineering, science and other disciplines.

Accredited by the Computing Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Science (Art, Media and Engineering), MS
Computer Science (Big Data Systems), MCS
Computer Science (Big Data Systems), MS
Computer Science (Biomedical Informatics), MS
Computer Science (Cybersecurity), MCS
Computer Science (Cybersecurity), MS
Computer Science, MCS
Computer Science, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)

\section*{Additional Requirements:}

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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\footnotetext{
Transfer from an Arizona Community College
}

Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Computer science graduates secure employment in a variety of capacities ranging from computer and software design to development of information technologies. Their jobs are often distinguished by the high level of theoretical expertise applied to solving complex problems and to the creation and application of new computing technologies. Some computer science-related jobs may include:
- creating computer games and graphics systems
- designing artificial intelligence systems
- developing mobile computing applications
- developing network security applications
- discovering data management and mining solutions for large scale data analytics
- inventing and implementing more efficient computing systems for managing data and information, including information retrieval and search on the Internet

With the theoretical foundation built into the program, computer science graduates can excel in system and software development as well as in designing effective computing solutions for emerging and challenging problems in modern society. Skills in system development and research can lead to entrepreneurial activity that produces innovative computing products and services.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequirementsbscs/
CTRPT 105
cidse.undergrad@asu.edu
480-965-3199

\section*{Computer Science (Cybersecurity), BS (ESCSEIBS)}

Campus: Tempe

\section*{Program Description:}

The BS program in computer science with a concentration in cybersecurity provides students with the knowledge and skills needed to build dependable and secure information systems and networks and to ensure the integrity and quality of information being stored, processed and transmitted.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on information assurance courseware at ASU, students should refer to http://ia.asu.edu/education.php (http://ia.asu.edu/education.php).

Accredited by the Computing Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org/).

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Science (Art, Media and Engineering), MS
Computer Science (Big Data Systems), MCS
Computer Science (Big Data Systems), MS
Computer Science (Biomedical Informatics), MS
Computer Science (Cybersecurity), MCS
Computer Science (Cybersecurity), MS
Computer Science, MCS
Computer Science, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Additional Requirements:}

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

\section*{Freshman Admission:}
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5,2016 ) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/)
for the major change requirements for this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students enrolled in the cybersecurity concentration are eligible for federal fellowships, such as the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program. For more information on the scholarship programs, students should see http://ia.asu.edu/scholarship.php (http://ia.asu.edu/scholarship.php)

Graduates with a degree in computer science with a cybersecurity concentration find employment in a variety of capacities ranging from computer system and software development to research on information assurance technologies. Some related jobs may include:
- analyzing computer forensic data
designing secure information systems and databases
- developing secure software
- information security consulting
- secure computer and network applications

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequirementsbscs/
CTRPT 105
cidse.undergrad@asu.edu
480-965-3199

\section*{Computer Science (Software Engineering), BS (ESCSESBS)}

Campus: Tempe

\section*{Program Description:}

The software engineering concentration is appropriate for computer science students seeking careers as software engineers. Students learn advanced processes, methodologies and tools for developing and testing large and small software applications in emerging areas such as:
- databases
- enterprise systems
- interoperable systems
- mobile computing
- service-orientated computing

They also learn information assurance concepts and techniques, or principles of human-computer interaction and methods, for developing these applications. The curriculum prepares students to assume leadership roles in software development organizations and to practice professional standards and emerging software technology to the software engineering life-cycle activities

Accredited by the Computing Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org/).

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Science (Art, Media and Engineering), MS
Computer Science (Big Data Systems), MCS
Computer Science (Big Data Systems), MS
Computer Science (Biomedical Informatics), MS
Computer Science (Cybersecurity), MCS
Computer Science (Cybersecurity), MS
Computer Science, MCS
Computer Science, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5 , 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Transfer from an Arizona Community College:

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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are plentiful for software engineers. Graduates of this program possess the knowledge and skills to work across the spectrum of software development process activities, including:
- architecture
- coding
project management
- quality assurance
- requirements engineering
- testing

Careers include:
- software analyst
- software architect
- software engineer
- software task leader
- software tester

Graduates of the software engineering concentration find employment in large and small organizations that develop, deploy and manage software systems. They work on all types of projects that include large, complex engineering systems, distributed banking, financial and government software and gaming.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequirementsbscs/
CTRPT 105
cidse.undergrad@asu.edu
480-965-3199

\section*{Computer Systems Engineering, BSE (ESCSEBSE)}

Campus: Tempe

\section*{Program Description:}

The computer systems engineering program focuses on the analysis, design, testing, integration and evaluation of hardware and software systems. The curriculum is grounded in many engineering disciplines, including the applications of science and technology to the design of:
- computer architecture
- computer security
digital circuits
- distributed and embedded systems
- networking
- operating systems

Students engage in the design of integrated hardware and software solutions for computing, communication and control applications. They practice many aspects of engineering activities, such as the development of:
- computer networks
- embedded and ubiquitous systems
- high-performance computer systems
- individual digital components

Students become skilled at interfacing different pieces of hardware and software components and integrating systems and products with new capabilities and improved quality and performance.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org/).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Engineering (Computer Systems), MS
Computer Science (Art, Media and Engineering), MS
Computer Science (Big Data Systems), MCS
Computer Science (Big Data Systems), MS
Computer Science (Biomedical Informatics), MS
Computer Science (Cybersecurity), MCS
Computer Science (Cybersecurity), MS
Computer Science, MCS
Computer Science, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Additional Requirements:}

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5 , 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Computer systems engineers are employed in industry, government, education and consulting firms where they engage in the design, development and operation of hardware and software systems of computer and networking equipment.

Computer systems engineers often find themselves focusing on engineering problems or challenges of emerging computer systems, from chips to device controllers, embedded systems and high-performance computing servers. Their jobs usually involve the research, design and development of computer hardware and software for practical applications. Their work can result in innovative, state-of-the-art products that integrate computing and communication capabilities, such as those in:
- avionics and space vehicles
- digital television and photography
- intelligent highways and control systems for vehicles
- mobile devices and smart applications
- new apparatuses for health care and for the sight-impaired or others with physical disabilities
- security and defense systems

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-systems-engineering-bse/
CTRPT 105
cidse.undergrad@asu.edu

\section*{Computer Systems Engineering (Cybersecurity), BSE (ESCSEIBSE)}

\section*{Campus: Tempe}

\section*{Program Description:}

The cybersecurity concentration in the computer systems engineering BSE degree program provides students with the knowledge and skills needed to build dependable and secure information systems and networks and to ensure the integrity and quality of the information being stored, processed and transmitted.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on information assurance courseware at ASU, students should refer to http://ia.asu.edu/education.php (http://ia.asu.edu/education.php).

\section*{Additional Program Fee: Y}

Second Language Requirement: \(N\)
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Science (Art, Media and Engineering), MS
Computer Science (Big Data Systems), MCS
Computer Science (Big Data Systems), MS
Computer Science (Biomedical Informatics), MS
Computer Science (Cybersecurity), MCS
Computer Science (Cybersecurity), MS
Computer Science, MCS
Computer Science, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

\section*{Freshman Admission:}
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5 , 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT
combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students enrolled in the cybersecurity concentration are eligible for federal fellowships such as the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program. For more information on the scholarship programs, students should visit http://ia.asu.edu/scholarship.php (http://ia.asu.edu/scholarship.php).

Graduates with a degree in computer systems engineering with a concentration in cybersecurity find employment in a variety of capacities ranging from computer systems and software development to research on information assurance technologies. Some related jobs may include:
- analyzing computer forensic data
- designing secure information systems and networks
information security consulting
- information systems security engineering
- network security engineering

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-systems-engineering-bse/
CTRPT 105
cidse.undergrad@asu.edu
480-965-3199

\section*{Construction Engineering, BSE (ESCONBSE)}

Campus: Tempe

\section*{Program Description:}

The BSE program in construction engineering focuses on a combination of design and management topics, preparing students for a career in the engineering and construction industry. The program prepares students who wish to gain a professional engineering license while working at the interface of design and construction, and it is attractive for students interested in a career that emphasizes the construction of infrastructure.

The degree program makeup includes engineering design and construction management courses with a focus on sustainability and building information modeling topics. Construction management content includes:
- construction methods
- contract management
cost and schedule control
- people management
- project estimating

The curriculum's design content includes structures, geotechnical engineering and transportation. Students are further prepared with the computer, management, technical and people skills needed to succeed. This degree is the third in the Southwestern U.S. and one of about 20 worldwide.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Construction Engineering, MSE Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
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below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

\section*{Freshman Admission:}
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The construction engineering graduate is prepared to begin as a field engineer, project engineer or project designer working for:
- construction companies
- design firms
- facility owners
- material suppliers
- specialty subcontractors

Graduates have unique skills to be able to take on the role of integrator in the delivery of design-build projects or development activities. As the graduate's career progresses, they should be able to take on leadership roles in the delivery of sustainable facilities in the built environment and then progress through successively higher levels of management responsibility. The graduate should be particularly attuned to design and construction of heavy civil and industrial facilities meeting the infrastructure needs of society.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Construction Engineering
https://ssebe.engineering.asu.edu/construction-engineering-home/degree-undergrad/
CAVC 437
sebe.advising@asu.edu
480-965-0595

\section*{Construction Management, BS (ESCONMGTBS)}

Campus: Tempe

\section*{Program Description:}

The BS program in construction management allows students to specialize in commercial, heavy, residential and specialty construction and facility management. Students learn to organize, lead and manage the building construction business processes related to real estate, facility and infrastructure projects. Construction management is the most vital function on a job site. Construction managers represent the interests of the building owner or the contractor and interact with architects, engineers, subcontractors, vendors and suppliers to ensure the success of the construction projects in the built environment. This program focuses on the business of construction and technology, such as building information modeling.

Students learn:
- the basics of design
- the construction methods specific to each type of construction (heavy, residential, commercial, specialty)
- how to estimate, schedule and control the costs of a project
- the process of sustainable or green construction
- what it takes to manage the people involved and the various types of contracts

Students are prepared with the computer, management, technical and people skills needed to succeed. This is one of two construction programs in the state of Arizona and one of approximately 80 accredited programs in the nation.

Additional Program Fee: \(Y\)
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Construction Management, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.50 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The construction management program provides a foundation for students who wish to pursue careers as project managers, project engineers, estimators or schedulers and eventually become principals of firms engaged in the construction of industrial, commercial or residential projects.

The heavy construction emphasis area prepares students for careers related to public works such as highways, airports, bridges, utility systems and water or waste treatment facilities.

The commercial and residential emphasis areas prepare students for careers in real estate development, home production systems, commercial construction, health care and special industrial building projects. Students are also prepared to enter the sustainable or green construction market.

The specialty construction emphasis prepares students to organize, lead and manage the building process at the subcontractor level and prepares students for careers as contractors working with mechanical and electrical systems. It also prepares students for careers in management at specialty contracting firms, such as control systems, electrical distribution or heating, ventilation and air conditioning systems for large and complex facilities such as data centers, health care organizations and semiconductor manufacturing plants as well as commercial facilities.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
https://ssebe.engineering.asu.edu/construction-management-home/degree-undergrad/
CAVC 437
sebe.advising@asu.edu
480-965-0595

\section*{Construction Management (Concrete Industry Management), BS (ESCONIMBS)}

Campus: Tempe

\section*{Program Description:}

The Del E. Webb School of Construction offers the BS in construction with a concentration in concrete industry management. Concrete industry management graduates are broadly educated, articulate managers grounded in basic construction management, who are knowledgeable about concrete technology and techniques, and are able to manage people and systems and to promote products or services in the concrete industry.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Additional Requirements:}

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

\section*{Freshman Admission:}
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:
Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The concrete industry management concentration provides a foundation for students who wish to pursue careers as project managers, estimators, schedulers or a combination of all three at an executive level. Concrete industry management career opportunities include:
- advanced mixing technology or equipment manufacturing
- cement
- concrete or general contracting
concrete production
- development
- field sales
- operations
- project and production management
- technical service

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction http://ssebe.engineering.asu.edu/prospective-students/construction-management.html ECG 251
sebe.advising@asu.edu
480-965-0595

\section*{Electrical Engineering, BSE (ESEEEBSE)}

Campus: Tempe, Online

\section*{Program Description:}

The goal of the electrical engineering undergraduate program is to prepare graduates for positions as electrical engineers. Faculty in the Ira A. Fulton Schools of Engineering offer a BSE in electrical engineering. Following initial coursework in mathematics and sciences, the foundation classes build a solid base of engineering knowledge. The electrical engineering curriculum includes a number of required upper-division electrical engineering and technical elective courses in such areas as:

\footnotetext{
circuits
communication, signal processing and control systems
- computer engineering
- electromagnetics
- power
- solid-state devices
}

Approved technical elective courses provide students with an opportunity either to broaden their background in electrical engineering or to study, in greater depth, technical subjects in which they have special interest.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/ (http://www.abet.org/).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Computer Engineering (Electrical Engineering), MS
Electrical Engineering, MSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)
Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

\section*{Freshman Admission:}
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-engineering-electrical-engineering?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

Current ASU students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates with the bachelor's degree in electrical engineering find many exciting opportunities in industry. These include:
- communication equipment and network providers
- computer and peripheral device manufacturers and defense organizations
- consulting companies
- electric power utilities
- semiconductor chip designers and manufacturers

The program also prepares graduates for continued learning experiences, either in a formal graduate program or in continuing education applications.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of Electrical Engineering Program https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

\section*{Program Description:}

The goal of the electric power and energy systems concentration is to prepare graduates for positions in industries dealing with generation, transmission and utilization of electric power. Generation includes conventional power generation (fossil fuel and nuclear) and alternative energy systems, including solar, wind and fuel cells.

Students in this program complete the foundation courses in math, science and engineering. They are then required to take the pathway course in electric power and complete nine of the 15 technical elective credit hours with power classes. In addition, the senior design capstone project focuses upon the area of electric power and energy systems.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org/).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Electrical Engineering, MSE
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

\section*{Freshman Admission:}
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5 , 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/electrical-engineering-electric-power-and-energy-systems-bse)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities for graduates with a concentration in electric power and energy systems include:
- consulting engineering firms
- employment in utility companies
- entrepreneurial opportunities
- power equipment manufacturers
- research and design organizations
- state, federal and municipal agencies

This concentration also prepares students to pursue graduate degrees in the areas of:
- power generation
- power systems
- power transmission and distribution
- renewable and sustainable energy sources

The program also prepares graduates for continued learning experiences, either in a formal graduate program or in continuing education applications.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
https://ecee.engineering.asu.edu/
GWC 209
askee@asu.edu
480-965-3424

\section*{Electronics Engineering Technology (Alternative Energy Technologies), BS (TSEETABS)}

Campus: Polytechnic

\section*{Program Description:}

The curriculum of the BS program in electronics engineering technology serves the needs of students interested in applied aspects of electronics technology. The electronics engineering technology program has a practice-based approach and uses laboratories to make electronics technology real to students. Major components of the program include:
- design
- electronics-related technical courses
- engineering science
- general education
- science and mathematics

The alternative energy technologies concentration explores the demands of energy resources in the new economy. This program strives to educate individuals in the use of energy sources such as solar, wind, ocean, geothermal and biomass and provides hands-on laboratory experience on several energy conversion and storage technologies, including photovoltaics, fuel cells, batteries, electrolyzers and supercapacitors.

Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates have an understanding of energy and power technology, how materials and components contribute to the performance of electronic systems, and how to exploit the power of integrated electronics to enhance productivity and technology solutions. The alternative energy technologies concentration is designed to prepare graduates for careers in alternative energy as related to electric power conditioning, control systems, electronics and instrumentation. The specific positions might include:
- application interface
- environmental and reliability analysis
- policy analysis
- process control
- system design
- technology analysis

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu
WANER 201
technology@asu.edu
480-727-1874
Electronics Engineering Technology (Electronic Systems), BS (TSEETEBS)
Campus: Polytechnic

\section*{Program Description:}

The curriculum of the BS degree program in electronics engineering technology serves the needs of students interested in applied aspects of electronics technology. The electronics engineering technology program has a practice-based approach and uses laboratories to make electronics technology real to students. Major components of the program include:
- design
- electronics-related technical courses
- engineering science
- general education
- science and mathematics

The field of electronics engineering technology applies mathematics, science and economics, along with state-of-the-art electronics techniques, materials and devices to solve technological problems and to produce useful products. The concentration in electronic systems, under the Bachelor of Science in electronics engineering technology, allows students to develop a broad-based knowledge of electrical and electronic fundamentals with an applications perspective.

Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\author{
Additional Program Fee: Y \\ Second Language Requirement: N \\ First Required Math Course: MAT 265-Calculus for Engineers I \\ Program Math Intensity: Substantial
}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College

Arizona Western College(https://transfer.asu.edu/tag) Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates have an understanding of energy and power technology, how materials and components contribute to the performance of electronic systems, and how to exploit the power of integrated electronics to enhance productivity and technology solutions. The electronic systems concentration prepares students for careers in:
- control applications
- electronics applications
- instrumentation applications
- power systems applications

Engineering technologists typically work as members of engineering teams in:
- applied design
- manufacturing
- operations
- product development
- production

They may also be employed in technical services capacities, including:
- field engineering
- marketing
- sales

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu
WANER 201
technology@asu.edu
480-727-1874

\section*{Electronics Engineering Technology (Integrated Electronic Systems), BS (TSEETINBS)}

Campus: Polytechnic

\section*{Program Description:}

The curriculum of the BS degree program in electronics engineering technology serves the needs of students interested in applied aspects of electronics technology. The electronics engineering technology program has a practice-based approach and uses laboratories to make electronics technology real to students. Major components of the program include design, electronics-related technical courses, engineering science, general education and science and mathematics.

The integrated electronic systems concentration explores the processes and technology used to develop, design, manufacture and exploit integrated electronic functions on silicon, in packages and on boards. The program provides hands-on laboratory experience in integrated circuit device fabrication and manufacturing in a setting that emulates industry.

Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: Y

First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates have an understanding of energy and power technology, how materials and components contribute to the performance of electronic systems, and how to exploit the power of integrated electronics to enhance productivity and technology solutions. Upon completion of this concentration, graduates are prepared for careers in the microelectronics industry. Graduates secure positions in:
- diverse scientific engineering teams
- field applications
- integrated circuit processing
- system integrators
- testing

\section*{Engineering, BSE (TSEGRBSE)}

Campus: Polytechnic

\section*{Program Description:}

The ABET-accredited BSE in engineering program prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the engineering program, students apply engineering fundamental knowledge and design thinking to real projects every semester.

In the Bachelor of Science in Engineering program, students choose a disciplinary concentration where they develop in-depth knowledge in a specific area, as well as a secondary focus area. This flexibility allows students to tailor their degree to achieve their individual career and life goals.

Students can choose from the following concentrations:
- automotive systems
- electrical systems
- mechanical engineering systems
- robotics

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: Y
Second Language Requirement: \(N\)
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in Engineering program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies and small businesses, as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/bse-engineering
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Engineering (Automotive Systems), BSE (TSEGRASBSE)}

Campus: Polytechnic

\section*{Program Description:}

The ABET-accredited BSE engineering program prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the automotive systems concentration of the Bachelor of Science in Engineering program first build a broad engineering foundation to which they add skills and knowledge necessary for vehicle design and testing. The concentration curriculum focuses on automotive engineering fundamentals, including powertrain engineering and chassis system design as well as hands-on projects that involve designing, analyzing and building of actual automotive systems. Graduates in this concentration will be able to provide leadership in automotive engineering settings, especially automotive testing and hybrid propulsion systems, which are intrinsically transdisciplinary in nature.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Engineering, MS
Manufacturing Engineering, MS
Secondary Education (Teacher Certification), MEd
Technology (Management of Technology), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)

\section*{Career Opportunities:}

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in Engineering program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek. Graduates from the automotive concentration are prepared for employment in automotive-related companies, from large original equipment manufacturing companies and their testing grounds to smaller specialty or aftermarket companies. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Because of the transdisciplinary nature of the Bachelor of Science in Engineering, graduates also have opportunities to perform functions that traditionally have been done by mechanical, manufacturing, automation and development engineers.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/bse-engineering
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Engineering (Electrical Systems), BSE (TSEGRESBSE)}

\author{
Campus: Polytechnic
}

\section*{Program Description:}

The ABET-accredited BSE in engineering program prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the Bachelor of Science in Engineering program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the electrical systems concentration of the Bachelor of Science in Engineering program first build a broad engineering foundation to which they add skills and knowledge necessary to contribute electrical subject matter expertise in transdisciplinary engineering teams. This expertise includes theory and application of sensors, actuators, microcontrollers and microprocessors, as well as the integration of these components into electrical and mechatronic systems. The electrical systems curriculum also provides significant hands-on experience designing and implementing electrical and mechatronic systems to meet the needs of users.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org)

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: Y
Second Language Requirement: \(N\)
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Engineering, MS
Manufacturing Engineering, MS
Secondary Education (Teacher Certification), MEd
Solar Energy Engineering and Commercialization, PSM
Technology (Management of Technology), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Transfer from an Arizona Community College:

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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in Engineering program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Engineers with electrical expertise are in high demand in many industry sectors, especially manufacturing, utilities, and communications and defense systems. Electrical systems also pervade the service sectors such as health care, finance, education and entertainment. Graduates from this program have the broad base of technical knowledge and operational skills that make them invaluable members of multidisciplinary engineering teams, well-suited for employment across a broad spectrum of engineering endeavors.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of

\title{
Engineering (Humanitarian Engineering), BSE (TSEGRHEBSE)
}

\author{
Campus: Polytechnic
}

\section*{Program Description:}

The ABET-accredited BSE engineering program prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the Bachelor of Science in Engineering program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the humanitarian engineering concentration first build a broad engineering foundation to which they add the skills and knowledge necessary to adapt water and energy systems to local and developing-world needs. They work with ASU's Global Resolve organization to learn to identify and implement appropriate technological and cultural solutions. Graduates of the concentration will be positioned to work on transdisciplinary teams addressing vital engineering needs of communities in the developing world. They have real-world experience with the challenges and opportunities inherent in this environment and impact lives by solving real problems.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org)

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Secondary Education (Teacher Certification), MEd
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Gila Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in Engineering program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek. The humanitarian engineering concentration prepares students for graduate school in civil engineering, sustainability and development; it also prepares students for careers in general engineering applications, disaster relief and aid, and nongovernmental organization development work both in the U.S. and globally. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/bse-engineering
WANER 201
technology@asu.edu
480-727-1874

\section*{Engineering (Mechanical Engineering Systems), BSE (TSEGRMEBSE)}

Campus: Polytechnic

\section*{Program Description:}

The ABET-accredited BSE engineering program prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the BSE program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the mechanical engineering systems concentration of the Bachelor of Science in Engineering program first build a broad engineering foundation to which they add skills and knowledge necessary to contribute mechanical subject matter expertise in transdisciplinary engineering teams. This expertise includes theory and application of materials, machine design, thermal fluid systems, and energy and power from a systems perspective. The mechanical systems curriculum also provides significant hands-on experience designing and implementing mechanical systems to meet the needs of users.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Engineering, MS
Manufacturing Engineering, MS
Secondary Education (Teacher Certification), MEd
Technology (Management of Technology), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)

\section*{Career Opportunities:}

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The BSE program enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Engineers with mechanical expertise are in high demand in many different industry sectors, including transportation, agriculture, a wide variety of process industries, product development, manufacturing, and energy and defense systems. Mechanical engineers also work in close collaboration with other engineering disciplines in a wide variety of fields, including biomedical, building and construction, transportation, and aerospace. Graduates from this program have a broad base of technical knowledge and operational skills that make them invaluable members of multidisciplinary engineering teams, well-suited for employment across the whole spectrum of applications.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/bse-engineering
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Engineering (Robotics), BSE (TSEGRRBSE)}

Campus: Polytechnic

\section*{Program Description:}

The ABET-accredited BSE program in engineering prepares graduates to collaborate across disciplines to design and build solutions to real-world problems. In the program, students apply fundamental engineering knowledge and design thinking to real projects every semester.

Students in the robotics concentration of the Bachelor of Science in Engineering program first build a broad engineering foundation to which they add skills and knowledge necessary to contribute robotics subject matter expertise in transdisciplinary engineering teams. This expertise includes electromechanical systems, sensor and actuator integration, embedded digital systems application, and design and analysis of dynamic systems. The robotics curriculum also provides significant hands-on experience designing and implementing robotics systems to meet the needs of users.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Engineering, MS
Manufacturing Engineering, MS
Secondary Education (Teacher Certification), MEd
Technology (Management of Technology), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in Engineering program enables students to develop sophisticated technical skills in tandem with the professional skills of communication; teamwork and collaboration; and self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Robotics plays an increasingly important role in many different industries, including manufacturing, automotive, defense systems, biomedical devices and aerospace. Graduates from this program have a broad base of technical knowledge in the design and implementation of robotic electro-mechanical systems. In addition, they have the operational and communication skills that make them invaluable members of multidisciplinary engineering teams, well-suited for employment across the whole spectrum of applications.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs

\section*{Engineering Exploration, (TSEGRPRE)}

\author{
Campus: Tempe
}

\section*{Program Description:}

Engineering exploration provides an opportunity for students to become aware of the diverse engineering and technology related programs within the Ira A. Fulton Schools of Engineering on both the Tempe and Polytechnic campuses; to develop the knowledge and skills to succeed at ASU; and to develop the confidence and motivation to select a major in the Fulton Schools. Engineering exploration is not a degree-granting program. Students in the exploration program may transfer into a Fulton Schools degree-granting program once they meet the published transfer admission requirements for their desired program. All students are required to change their major at the end of three semesters.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Prospective students may not apply to the engineering exploration program. Freshman applicants to Ira A. Fulton Schools of Engineering programs will be considered for engineering exploration if they are not admitted to their first choice. Please contact Engineering@asu.edu (mailto: engineering@asu.edu) for questions regarding admission and program eligibility.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Since this program does not grant a degree, students must choose a major for degree completion. Career opportunities are specific to the ultimate major of choice.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Dean, Ira A. Fulton Schools of Engineering
https://engineering.asu.edu
BYENG 697BA
engineering@asu.edu
480-965-1726

\section*{Engineering Management, BSE (ESEMGBSE)}

Campus: Tempe, Online

\section*{Program Description:}

The BSE program in engineering management is designed to provide the graduate with skills for effective management and leadership of engineering-driven enterprises. The curriculum provides a breadth of engineering science and design with depth in one specific area suitable for practice. This knowledge is augmented with an understanding of business practices, organizational behavior and management skills to enable the graduate to succeed in the management of a scientific or engineering enterprise. Topics covered include project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management, in addition to product design and process development. Graduates have a deep understanding of at least one industry sector based upon the focus area courses.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org/).

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Economics, BS

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Industrial Engineering, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission requirements for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission requirements. Students should select a second major choice when applying for admission to a degree program in the Ira A. Fulton Schools of Engineering.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see https://students.asu.edu/international/future/undergrad (https://students.asu.edu/international/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5 .

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- Admission may be granted with one deficiency in no more than two competency (https://students.asu.edu/admission/competencies) areas.

Deficiencies in both math and laboratory science are not acceptable.

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 2.75 for less than 24 transfer hours, and
- satisfy the freshmen admission requirements

Transfer students with more than 24 transferable college credit hours:
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- if Admission Services requires submission of a high school transcript, admission may be granted with one deficiency in no more than two competency (https://students.asu.edu/admission/competencies) areas. Deficiencies in both math and laboratory science are not acceptable.

Concurrent degree admission requirements: Engineering Management, BSE and Economics, BS:
- minimum 1250 SAT combined evidence-based reading and writing plus math score ( 650 minimum on SAT math) or minimum 29 ACT combined score (29 minimum on ACT math), and
- 3.00 minimum ABOR GPA

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/engineering-engineering-management-bse?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)

Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

An engineering management graduate is prepared to begin as a:
- production supervisor
- project management team member or lead
- supply logistics engineer
- system specification and customer relationship management specialist or similar role

Graduates are ready to progress through successively higher levels of management responsibility.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Industrial, Systems \& Operations Engineering Prgm
https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/engineering-management-bse/
CTRPT 105
cidse.undergrad@asu.edu
480-965-3199

\section*{Environmental Engineering, BSE (ESEVEBSE)}

Campus: Tempe

\section*{Program Description:}

The environmental engineering BSE degree program educates tomorrow's engineers to solve complex environmental problems and design systems at the human, urban, and planetary scale. Environmental engineers are actively involved with:
- air quality monitoring and air pollution control technology
- analysis of fate and transport of pollutants
- application of sustainable design principles
- design of solid waste management systems
- design of hazardous waste containment systems
- design and operation of water and wastewater treatment systems
- remediation of contaminated soil, sediment, and water
- water quality, water conservation, and water reuse

In recognition of the interdisciplinary nature of environmental engineering challenges, the degree incorporates courses from other programs in the Fulton Schools of Engineering including chemical engineering and environmental resources management. Engineering courses build on strong foundation in chemistry, biology, geology, physics and mathematics. Courses cover fundamental engineering concepts applied to environmental processes and environmental engineering design, as well as applied learning experiences including required internship or research experience and capstone design course.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with more than 24 transferable college credit hours:

Primary
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admissions Services requires submission of a high school transcript)

Secondary Criteria
minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from the environmental engineering program have career opportunities in both the private and public sectors. The private sector consulting industry in environmental engineering is growing as greater environmental awareness and emerging novel pollutants require continual refinement of regulations and environmental system design standards. We seek to accredit the BSE in environmental engineering to allow graduates to pursue professional licensure that enables environmental engineers to design and build drinking water and wastewater treatment facilities, contaminated soil and water remediation systems, and hazardous and solid waste confinement systems. In the public sector, municipalities and regulating agencies require a knowledgeable workforce to understand how public policy can improve human health and ecosystem services through environmental engineering processes.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering \& Built Envirnmt
https://ssebe.engineering.asu.edu/environmental-engineering/
CAVC 437
sebe.advising@asu.edu
480-965-0595

\section*{Environmental and Resource Management, BS (TSETMBS)}

Campus: Polytechnic

\section*{Program Description:}

The BS program in environmental and resource management provides critical scientific and management skills for graduates who work in industry or government to ensure the health of natural ecosystems and mitigate the environmental impact of our industrial world.

The curriculum combines a strong foundation in biology, chemistry, physics and mathematics, with a solid grounding in environmental law and policy. Students learn to apply environmental technologies to drinking water and wastewater treatment, management of hazardous and solid wastes, and control of industrial and mobile sources of air pollution. They study OSHA regulations on health and safety and strategies to protect workers in hazardous environments. International environmental issues and legal frameworks are included along with U.S. environmental laws.

Graduates with these skills are in high demand and can find work in industry, governmental management and regulatory agencies, or in policymaking organizations.

An accelerated BS/MS degree option is available in which up to nine hours of the bachelor's degree may be applied toward the 33 hours required for the master's degree in environmental and resource management. A special application is required for this option.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Environmental and Resource Management (Water Management), MS
Environmental and Resource Management, MS
Technology (Environmental Technology Management), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, lllinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are firmly grounded in the scientific, technical and legal problems facing environmental managers in today's business climate. They are prepared to be environmental, health and safety professionals in industrial settings such as manufacturing, mining, oil and gas or environmental engineering consulting forms. They also assure compliance with OSHA and EPA requirements in laboratories at pharmaceutical companies, water treatment plants or academic labs. On the regulatory side, graduates work for agencies such as the U.S. Environmental Protection Agency or state and county departments of environmental quality.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Environmental and Resource Management
https://poly.engineering.asu.edu/erm
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Graphic Information Technology, BS (TSGITBS)}

Campus: Polytechnic, Online

\section*{Program Description:}

The cross-media nature of the graphic information industry requires graduates to understand the full spectrum of graphic technology, publishing processes and current business practices. The BS program in graphic information technology is preparation for a seamless career as a graphic technologist encompassing Web design and development, printing and digital publishing, commercial photography and videography, and 2D-3D animation. This is an intensive program of study emphasizing theory and hands-on laboratory practice. Students develop the following skills:
- commercial photography and videography
- multimedia and interactive technologies
- premedia, digital publishing and print technologies
- project and content management
- technical imaging
- user experience design
- Web design and development

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Journalism and Mass Communication, BA

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Technology (Graphic Information Technology), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:
- 3.75 minimum ABOR GPA
- no English competency deficiencies
- 960 SAT Reasoning (or 1040 if taken prior to March 5, 2016) or 22 ACT score

Transfer Admission Requirements
Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-graphic-information-technology-concentration?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective general studies requirements.

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

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Transfer from another state:

California(https://transfer.asu.edu/california Illinois(https://transfer.asu.edu/illinois)

\section*{Career Opportunities:}

Graphic information technology prepares graduates for technical and management positions in the graphics industry in such diverse areas as:
- commercial photography and videography
- graphic design
- planning and evaluation of print, Internet, multimedia and computer-based communication
- premedia, digital printing and publishing
- quality assurance of graphic products
- technical and digital media production
- Web design and development
- user-experience design
user interface design

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Graphic Information Technology
https://poly.engineering.asu.edu/git/bs-graphic-information-technology
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Graphic Information Technology (Gaming), BS (TSGITGBS)}

Campus: Polytechnic

\section*{Program Description:}

The cross-media nature of the graphic information industry requires graduates to understand the full spectrum of graphic technology, reproduction processes and current business practices. The BS program in graphic information technology prepares graduates for a seamless transition into a career as a graphic technologist encompassing Web development and Internet technologies, printing and digital publishing, commercial and technical imaging, and gaming technologies. Graduates of the Bachelor of Science in graphic information technology with a concentration in gaming will be able to critically analyze, design and develop the various game appearance and art assets needed to create video games. Students will learn and apply the latest game visual development skills, tools and technologies. Students develop the following skills:
- commercial photography and videography
document design
- gaming and simulation technologies
- multimedia and interactive technologies
- premedia, digital publishing and print technologies
- project and content management
- technical imaging
- user experience design
- Web design and development

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Technology (Graphic Information Technology), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from the video game art focus may work on PC, mobile apps and console video games as modelers, texture artists for characters and environments, as well as character animators and riggers.

Graduates with a concentration in gaming will find employment in a variety of capacities ranging from computer and software design to graphic design and graphics arts. Students specializing in video game production are skilled at asset management, 3D rendering and animation including technically challenging tasks like skinning, rigging and texturing for game asset production. Salaries can range from \(\$ 50,000\) to \(\$ 125,000\) per year, depending on experience and market demand.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of Graphic Information Technology https://poly.engineering.asu.edu/git/
WANER 201
technology@asu.edu

\section*{Human Systems Engineering, BS (ESHSEBS)}

Campus: Polytechnic

\section*{Program Description:}

The BS program in human systems engineering in the Ira A. Fulton Schools of Engineering provides students with an understanding of the science of human performance and with experience using methods and tools to apply this understanding to design and problem-solving in a wide variety of domains such as product usability, learning design, sports performance, and workplace and hospital safety.

A broad range of professions need experts in human factors to work on problems that involve an understanding of human performance. Interest areas include user experience, aviation human factors, cognitive performance, consumer psychology, transportation human factors, patient safety, effective teamwork, health psychology, learning optimization, social cognition, threat detection and sports psychology.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Human Systems Engineering, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)

Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The human systems engineering program prepares students for industry and government positions in a career such as a:
- game designer
- human factors engineer
- human systems integrator
- interface designer
- user experience designer
- usability engineer

Graduates may work as a member of a product or system design team.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu/hse/
WANER 240J
polyadvising@asu.edu
480-727-1874
Human Systems Engineering (User Experience), BS (ESHSEUEBS)
Campus: Polytechnic

\section*{Program Description:}

The BS degree program in human systems engineering with a concentration in user experience combines topics in psychology, the Web, human factors, visual displays and technical communications to make products and services useful, usable and desirable. Students learn how to research customer needs, identify criteria for successful products and services, prototype those products and services, and refine them through usability testing and other user-centered methods.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
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\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Increasingly, companies are searching for professionals to help them make products and services more usable and desirable. In recent years, CNN, U.S. News \& World Report and other news organizations have rated user experience as one of the top emerging careers, with benefits that include high pay, opportunity to telecommute, low stress and high job growth.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu/hse/
WANER 240
polyadvising@asu.edu
480-727-1874

\section*{Industrial Engineering, BSE (ESIEEBSE) \\ Campus: Tempe}

\section*{Program Description:}

Industrial engineering is concerned with the design, improvement, installation and operation of integrated systems of people, materials, information, equipment and energy. The purpose is to determine efficient ways to make a product or to provide a service. Industrial engineering draws upon specialized knowledge and skill in the mathematical, physical and social sciences together with the principles and methods of engineering analysis and design.

The underlying concepts for the BSE program in industrial engineering include certain business principles but emphasize the use of mathematics and information technology to build models to describe, understand and optimize system performance. Depending on the subspecialties involved and the intended application, industrial engineering may also be known as operations management, management science, operations research, systems engineering or manufacturing engineering.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org/).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Industrial Engineering, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see \(\mathrm{http}: / / \mathrm{global} . a s u . e d u / f u t u r e / u n d e r g r a d\) (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

\section*{Primary Criteria}
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates in industrial engineering are prepared to design and manage systems for a wide range of organizations. They find exciting career opportunities in all types of manufacturing and service industries, including:
- banking and finance
- defense and government
- health care
- hospitality, sports and entertainment
- management consulting
- manufacturing (e.g., aerospace, automotive, semiconductor)
- software industry
- telecommunication
- transportation and logistics

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of Industrial, Systems \& Operations Engineering Prgm
https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/industrial-engineering-bse/degreerequirementsbseie/
CTRPT 105
cidse.undergrad@asu.edu
480-965-3199
Industrial and Organizational Psychology, BS (ECPSYBS)

\section*{Campus: Polytechnic}

\section*{Program Description:}

Americans spend more than 54 percent of their waking hours at work. As a result, students who want to make a real impact on peoples' lives are beginning to focus on the psychology of work. Industrial and organizational psychology helps organizations identify the right job candidates to hire, determine the best job fit for each worker, design enjoyable and effective workplaces, and determine the appropriate work-life balance for employees in the organization. Finally, one specialty, human factors, focuses on designing tools and products that are easy to use and reduce human error.

In addition to strong education in human learning, memory, emotion, judgment and social psychology, which prepare students for employment or graduate school, students can choose to focus in two of five focus areas:
- consumer psychology
- human resources and organizational behavior
- human systems engineering
- learning technology
- user experience

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue)

Additional Program Fee: N

\section*{Second Language Requirement: N}

First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Human Systems Engineering, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Some students pursue master's or doctoral degrees, but many career opportunities exist for graduates with bachelor's degrees, especially in the areas of human resources, human factors design, user experience and consumer behavior.

We routinely place our qualified undergraduate students in internships in leading companies or government agencies in the fields of technology, transportation, training, defense and health care. According to the 2012 Occupational Outlook Handbook, published by the U.S. Department of Labor, industrial and organizational psychology is one of the best-paying specialties in psychology, and demand for industrial and organizational psychologists is growing at a rate of about 29 percent annually.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Human Systems Engineering
https://poly.engineering.asu.edu/degrees/
WANER 201
technology@asu.edu
480-727-1874
Informatics, BS (ESCPIBS)
Campus: Tempe

\section*{Program Description:}

Informatics is about discovering, developing and understanding computer applications that improve people's lives. The BS program in informatics prepares skilled professionals who take a transdisciplinary, user-oriented perspective toward information and computing systems, apply current informatics methods to address society's needs, and contribute to the next generation of such systems.

The informatics bachelor's degree program provides an option for students interested in a flexible program in applied information and computing technologies. The program provides skills in design and implementation of computer systems while offering opportunities for building applications used by people in many fields. Students learn to develop software for devices of all sizes, from supercomputers to cell phones and even smaller. The challenges of informatics include designing, developing and applying tools that model, aid or automate activities within science, engineering, business, geography, education and entertainment.

Informatics careers center on solving problems through the design and creation of information systems, user interfaces, mobile technologies and social media.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
or MAT 265-Calculus for Engineers I

Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission requirements for a Bachelor of Science in informatics are higher than minimum university admission requirements. Students should select a second major choice when applying for admission to a degree program in the Ira A. Fulton Schools of Engineering.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://students.asu.edu/international-admission (http://students.asu.edu/international-admission)) and admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5 .

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed.

Transfer Admission Requirements
Transfer students with fewer than 24 transferable college credit hours:
- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed, and - minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer students with more than 24 transferable college credit hours:

Primary Criteria
- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed (if Admission Services requires submission of a high school transcript).

\section*{Secondary Criteria}
- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Students can view change of major requirements for the Ira A. Fulton Schools of Engineering at https://engineering.asu.edu/admissionrequirements/ (https://engineering.asu.edu/admission-requirements/).

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates have the ability to develop future information technology solutions that place a strong emphasis on user needs and provide the ability to adapt and change dynamically with society's needs. This makes the informatician a strong candidate for jobs in:
- management consulting firms
- technology research centers
- technology start-ups

Additionally, the program prepares students for graduate programs that offer an emphasis in emerging technologies.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of Computer Science and Engineering Program
https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/informatics-bs/degreerequirementsbsinform/
CTRPT 105
cidse.undergrad@asu.edu
480-965-3199
Information Technology, BS (TSIFTBS)
Campus: Polytechnic, Online

\section*{Program Description:}

Information technology is for those who want to be responsible for designing or architecting, selecting, implementing and managing computer-based information solutions. Information technology students learn to design and create effective networking technology solutions to today's knowledgebased problems.

In the BS degree program in information technology, students create project solutions to hone technical, team and personal development and presentation skills. Integrated laboratory and lecture courses provide students with the necessary skills to become valued contributors within any organization in an information technology role. In addition to selecting a primary focus area (networking and security, information systems or enterprise computing), students create their own secondary focus area that meets their specific career objectives. Each student is required to successfully complete an industry-based capstone project prior to graduation.
enterprise computing. They design and create network architectures, configure and administer complex computer and database systems, analyze security issues, and support enterprise usage involving information technology.

The networking and security focus explores the tools, frameworks, technologies and processes underlying the design, development, deployment and support of computer networks. This includes a background that embraces confidentiality, integrity and availability in networking architectures and security analysis.

The information systems focus provides students with the concepts associated with database structure, including cloud computing, database security and control, structured query language programming, and database management systems.

The enterprise computing focus provides students will an understanding of the enterprise and how information technology is used to further business interests. It includes many aspects of using technology to support the overall enterprise, including operations, funding and promotion. Students learn how technology can be used in business strategy and creating innovative new ways to support business.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Information Technology, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-information-technology?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Eastern Arizona College(https://transfer.asu.edu/tag)
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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of the information technology bachelor's degree program are well-qualified for careers in any IT discipline. This degree couples technical skills with the business skills needed to develop, create or manage technical functions. Some graduates may pursue careers as technical support staff or security analysts based on the focus area and secondary skills they achieve.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Information Technology
https://poly.engineering.asu.edu/it/
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Manufacturing Engineering, BS (TSMEGRBS)}

Campus: Polytechnic

\section*{Program Description:}

Successful manufacturing enterprises balance design, sustainability and quality with production to prosper in the global marketplace. Manufacturing engineering combines manufacturing processes (e.g., how materials are altered in either shape or properties) and the processes of manufacturing (e.g., design and management of manufacturing systems).

The BS program in manufacturing engineering prepares graduates to:
- analyze, synthesize and control manufacturing operations using statistical methods
- collaborate across disciplines to design and build solutions to real-world problems
- design innovative products and the equipment, tooling and environments necessary for their manufacture
- model, simulate and analyze manufacturing production processes for both small- and large-scale environments
- provide technological leadership

The curriculum is project-based, hands-on, teamwork-oriented and delivered in outstanding fabrication facilities. Graduates of this program become key team members who create and implement processes for making such varied products as airplanes, surgical instrument, toys and foodstuffs.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Manufacturing Engineering, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors.Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Engineers collaborate on transdisciplinary teams to design, manufacture and deliver innovative technological products and services. The Bachelor of Science in Engineering program in manufacturing engineering enables students to develop sophisticated technical skills in tandem with the professional skills of communication, teamwork and collaboration, and self-motivation and adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. The program's emphasis on open-ended design and project-based learning supports the development of entrepreneurial skills and attitudes, and some students start companies of their own.

Graduates typically work as manufacturing engineers in a variety of companies, large and small. They are often members of design and development teams, cooperating with other people within and outside of their company. Career employment opportunities include direct manufacturing support, manufacturing management, and quality control and assurance. Due to a strong, broad and practical engineering skill set, graduates are highly valuable in small or new startup companies. Program graduates are well-placed and command top salaries.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/engineering/manufacturing-engineering/
WANER 201
polyadvising@asu.edu
480-727-1874

\section*{Manufacturing Engineering Technology (Mechanical), BS (TSMETMBS)}

Campus: Polytechnic

\section*{Program Description:}

Manufacturing is in a period of dramatic transformation. Future manufacturing will involve a global supply network to enable innovation, design and integration of products and services. At its core, manufacturing engineering is about creating and delivering products and services that have value to customers and society.

Manufacturing engineers are key team members in the production of products such as automobiles, airplanes, electronic devices, surgical instruments, toys, building products and foodstuffs. Manufacturing engineers design the processes to make products with the required functionality, to desired quality standards based on customers needs, at the best possible price and in environmentally friendly ways. The manufacturing curriculum is project-based and provides students a hands-on, team-based learning environment. The manufacturing program has outstanding fabrication facilities that are a hallmark of the program.

Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates typically work as manufacturing engineers in a variety of companies, large and small. They are often members of design and development teams, cooperating with other people in and outside of their company. Career employment opportunities include:
- direct manufacturing support
- manufacturing management
- quality control and assurance

Due to a strong, practical engineering skill set, graduates are valuable in small companies or new start-up companies. Program graduates are wellplaced and command top salaries in their engineering careers.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu
WANER 201
technology@asu.edu
480-727-1874
Materials Science and Engineering, BSE (ESMSEBSE)
Campus: Tempe

\section*{Program Description:}

Materials engineers are responsible for designing and developing advanced materials for a wide variety of engineering applications. Courses in materials teach students in the BSE program in materials science and engineering about the design of materials and how to process them to improve their structure, properties and performance. Materials engineers are in demand by almost every industry, from automotive to aerospace to biomaterials to nanotechnology.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Materials Science and Engineering, MS
Nanoscience, PSM
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)
Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Secondary Criteria}
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

\section*{Change of Major Requirements:}

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to https://engineering.asu.edu/admission-requirements (https://engineering.asu.edu/admission-requirements/) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Materials engineers are in demand in a wide range of industries and professions, including:
- aerospace
- automotive
- computer
- electronics
- energy
- health care
- microelectronics
- nanotechnology
- robotics
- telecommunications

The career paths in these industries offer opportunities to impact technological advances through working in a team environment with engineers from the chemical, electrical, mechanical, aerospace and other engineering disciplines.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of Materials Science and Engineering Program https://semte.engineering.asu.edu/materials-science-undergraduate/ ECG 202
semte@asu.edu

\section*{Mechanical Engineering, BSE (ESMAEMBSE)}

Campus: Tempe

\section*{Program Description:}

Mechanical engineering is a creative, diverse discipline. Mechanical engineers design, build and control the devices, machines, processes and systems that are the mainstay of modern industrialized society.

Students are prepared for a career in mechanical engineering through a curriculum that includes study of the principles governing energy transfer, mechanical design, sensors and control devices, and the application of these principles to the creative solution of practical modern problems.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Aerospace Engineering, MS
Materials Science and Engineering, MS
Mechanical Engineering, MS
Solar Energy Engineering and Commercialization, PSM
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Change of Major Requirements:}

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to https://engineering.asu.edu/admission-requirements/ (https://engineering.asu.edu/admission-requirements/) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates. Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research, in generating creative design and development, and in the production, control, management and sales of the devices and systems needed by society.

The BSE program in mechanical engineering has the following program educational objectives:
- Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the mechanical engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability. Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after completing their degrees:
- employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
- admission into a graduate degree program in mechanical engineering or other technical field.
- admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/mechanical-undergraduate/
ECG 202
semte@asu.edu
480-965-2335

\section*{Mechanical Engineering (Computational Mechanics), BSE (ESMAECBSE)}

Campus: Tempe

\section*{Program Description:}

As mathematical and numerical modeling takes on a much larger role in product development, graduates who are highly skilled in computational and mathematical engineering will be in high demand. The concentration in computational mechanics, under the BSE program in mechanical engineering, is designed to teach students the modern computational tools available for solving large-scale and complex technical problems. The curriculum focuses on high-performance computing and the accurate modeling of large and small scale systems.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Aerospace Engineering, MS
Materials Science and Engineering, MS
Mechanical Engineering, MS
Solar Energy Engineering and Commercialization, PSM
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

\section*{Freshman Admission:}
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5 , 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Change of Major Requirements:}

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer to https://engineering.asu.edu/admission-requirements (https://engineering.asu.edu/admission-requirements/) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research, in generating creative design and development, and in the production, control, management and sales of the devices and systems needed by society. Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates.

The mechanical engineering program has the following program educational objectives:
- Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the mechanical engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.
Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after completing their degrees:
- employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
- admission into a graduate degree program in mechanical engineering or other technical field
- admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/mechanical-undergraduate/
ECG 202
semte@asu.edu
480-965-2335

\section*{Mechanical Engineering (Energy and Environment), BSE (ESMAEEBSE)}

Campus: Tempe

\section*{Program Description:}

The concentration in energy and environment within the BSE in mechanical engineering is designed to prepare students to analyze technical problems in
- air pollution
- climate change
- energy efficiency
- environmental sustainability
- renewable energy
- timely issues facing the global community

Although the primary focus of this program is technical, the general education courses in the areas of the humanities and social and behavioral sciences introduce students to the global, political and societal issues relating to energy and the environment. By focusing on issues such as air pollution, water scarcity and the lack of alternative transportation, this program becomes even more attractive for employers in the greater Phoenix area as well as nationwide.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Aerospace Engineering, MS
Materials Science and Engineering, MS
Mechanical Engineering, MS
Solar Energy Engineering and Commercialization, PSM
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:
- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Admission Services requires submission of a high school transcript)

\section*{Change of Major Requirements:}

Admission requirements for many majors in the Ira A. Fulton Schools of Engineering are higher than university admission standards. Students should refer tohttps://engineering.asu.edu/admission-requirements (https://engineering.asu.edu/admission-requirements/) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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\section*{Transfer from an Arizona Community College}

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Mechanical engineers are employed in virtually every kind of industry. They are involved in generating creative design and development, seeking new knowledge through research, and the production, control, management and sales of the devices and systems needed by society.

Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates. Students completing this concentration have opportunities as environmental consultants; heating, ventilation and air-conditioning engineers; and power plant designers.

The mechanical engineering program has the following program educational objectives:
- Through volunteering, entrepreneurial endeavors, community service, their employment, etc., graduates of the mechanical engineering program will demonstrate commitment to the Sun Devil ideals of global engagement, social embeddedness, social transformation and sustainability.
Graduates of the mechanical engineering program should have attained one or more of the following objectives within a few years after completing their degrees:
- employment in engineering or other fields in a position that capitalizes on the skills and abilities gained through the degree program in mechanical engineering (holding positions of increasing responsibility and leadership within their organizations)
- admission into a graduate degree program in mechanical engineering or other technical field.
- admission into a professional degree program, such as law, business or medicine, in accordance with the specific interests and abilities of the graduate

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Mechanical and Aerospace Engineering Program
https://semte.engineering.asu.edu/mechanical-undergraduate/
ECG 202
semte@asu.edu
480-965-2335

\section*{Mechanical Engineering Technology, BS (TSMECBS)}

Campus: Polytechnic

\section*{Program Description:}

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment used in industry today. Students learn how to produce practical and technically innovative solutions to real-world problems, thereby helping people and the environment.

Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program
(http://students.asu.edu/admission/wue).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements. Freshman (https://students.asu.edu/freshman/requirements) Transfer (https://transfer.asu.edu/index.php?q=transferrequirements) International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The BS program in mechanical engineering technology, including specialty concentrations, offers great flexibility in type of work and location. Employment opportunities exist in companies that design, develop, manufacture, implement and improve products, machinery and systems. Employment areas include:
- engineering design
- manufacturing
- research and development

Companies large and small, in this region and elsewhere, provide a wide range of opportunities for graduates.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu
WANER 201
technology@asu.edu
480-727-1874

\section*{Mechanical Engineering Technology (Aeronautical Engineering Technology), BS (TSMECEBS)}

Campus: Polytechnic

\section*{Program Description:}

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory
to practice in state-of-the-art labs stocked with up-to-date equipment used in industry today. Students learn how to produce practical and technically innovative solutions to real-world problems, thereby helping people and the environment

The aeronautical engineering technology concentration provides a specialization in aircraft, with classes in aircraft systems, design and performance, structures and aerodynamics (including wind tunnel testing).

Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

\section*{Career Opportunities:}

Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The BS program in mechanical engineering technology and its aeronautical engineering technology specialty concentration offer great flexibility in type of work and location. Due to their aeronautical specialty concentration, graduates are prepared to seek employment in aviation-related companies, large and small, in this region and elsewhere, providing a wide range of opportunities for graduates. Employment areas include engineering design, manufacturing, and research and development. Or, since their degree is in mechanical engineering technology, students can seek traditional mechanical engineering employment opportunities in companies that design, develop, manufacture, implement and improve products, machinery and systems.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu
WANER 201
technology@asu.edu
480-727-1874

\section*{Mechanical Engineering Technology (Automation Engineering Technology), BS (TSMECUBS)}

\author{
Campus: Polytechnic
}

\section*{Program Description:}

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment used in industry today. Students learn how to produce practical and technically innovative solutions to real-world problems, thereby helping people and the environment

The automation engineering technology concentration provides a specialization in machine and manufacturing process automation, including robotic systems. Automated assembly and testing are major components of most modern mechanical systems and manufacturing operations.

Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The BS program in mechanical engineering technology with a concentration in automation engineering technology offers great flexibility in type of work and location. Graduates are prepared to seek employment in any company that employs automated manufacturing equipment, large and small, providing a wide range of opportunities for graduates. This very wide spectrum includes food and beverage processing, aerospace and automotive manufacturing, and power companies. Students can also seek traditional mechanical engineering technology employment opportunities in companies that design, develop, manufacture, implement and improve products, machinery and systems.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu
WANER 201
technology@asu.edu
480-727-1874

\section*{Mechanical Engineering Technology (Automotive), BS (TSMECTBS)}

Campus: Polytechnic

\section*{Program Description:}

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment used in industry today. Students learn how to produce practical and technically innovative solutions to real-world problems, thereby helping people and the environment.

The automotive concentration addresses vehicle design. The course configuration is based on the functional structure of an automotive company and emphasizes system integration of power plants, chassis and related systems.

Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The BS program in mechanical engineering technology with a concentration in automotive engineering technology offers great flexibility in type of work and location. Due to the automotive specialty concentration, graduates are prepared to seek employment in automotive-related companies, from large to smaller specialty or aftermarket companies. Students can also seek traditional mechanical engineering employment opportunities in companies that design, develop, manufacture, implement and improve products, machinery and systems.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Engineering Programs
https://poly.engineering.asu.edu/
WANER 201
technology@asu.edu
480-727-1874

\title{
Product Development and Manufacturing Technology, BS (TSMETBS)
}

Campus: Polytechnic

\section*{Program Description:}

Product development and related manufacturing technology is a wide-ranging and dynamic field. Conceiving of products and moving them to market is a complex and fascinating process that begins with an understanding of the humans who will use the product. Then, the prototype must be made, developed and manufactured on a scale that ensures financial success. The BS in product development and manufacturing technology provides students with the opportunity to learn all these facets of successful product development. At its core, product development is about creating and delivering products that have value to customers and society.

People with deep knowledge of product development are key team members in the production of products such as automobiles, airplanes, electronic devices, surgical instruments, toys, building products and foodstuffs. They often work closely with manufacturing engineers in the design of processes to make products with the required functionality, to desired quality standards, based on customer's needs, at the best possible price and in environmentally friendly ways. The product development curriculum provides students a hands-on, team-based learning environment, with students having access to outstanding fabrication facilities.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: Y
Second Language Requirement: \(N\)
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates typically work in product development in a variety of companies, large and small. They are often members of design and development teams, cooperating with other people within and outside the company. Due to a strong, practical skill set, graduates are valuable in established companies of any size or new start-ups. However, other graduates become entrepreneurs developing their own products.

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Tech Entrepreneurship \& Mgmt
https://poly.engineering.asu.edu
WANER 201
technology@asu.edu
480-727-1874

\section*{Software Engineering, BS (TSSERBS)}

Campus: Polytechnic, Online

\section*{Program Description:}

The BS program in software engineering blends engineering, computing, project leadership and software construction. Students learn how to make creative software solutions to today's problems. Software systems are complex, often including millions of lines of code. Graduates of the bachelor's degree program in software engineering possess the knowledge and skills of a defined engineering approach to complex systems analysis, planning, design and construction.

The program has a unique, project-driven curriculum, establishing a new model for software engineering education. The program is built around the concepts of engaged learning, discovery-based education and learn-by-doing. Students complete projects in every semester of the program to provide emphasis in communication, teamwork, critical thinking and professionalism. Students have flexibility in designing their course of study; they select a software engineering application area such as Web and mobile applications or embedded systems as their primary focus, and they may obtain interdisciplinary knowledge through a secondary area of their design.

Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org (http://www.abet.org/).

The accelerated program is only allowed for the software engineering program on the Polytechnic campus.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Software Engineering, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant (see http://global.asu.edu/future/undergrad (http://global.asu.edu/future/undergrad)), then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:
- minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- Admission may be granted with one deficiency in no more than two competency (https://students.asu.edu/admission/competencies) areas.

Deficiencies in both math and laboratory science are not acceptable.

Transfer Admission Requirements:
Transfer students with fewer than 24 transferable college credit hours:
- minimum transfer GPA of 2.75 for less than 24 transfer hours, and
- satisfy the freshmen admission requirements

Transfer students with more than 24 transferable college credit hours:
- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- If Admission Services requires submission of a high school transcript, admission may be granted with one deficiency in no more than two competency (https://students.asu.edu/admission/competencies) areas. Deficiencies in both math and laboratory science are not acceptable.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-software-engineering?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

Current ASU students should refer to https://engineering.asu.edu/admission-requirements (https://engineering.asu.edu/admission-requirements/) for the major change requirements for this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Software engineers solve a broad set of transdisciplinary problems and apply new technologies to improve the quality of life. Graduates design and engineer innovative systems that may include mechanical and electrical components that interact with software. The bachelor's degree program in software engineering is a unique program in which students learn by solving engaging projects, commonly as a member of a development team. The program prepares graduates for advanced study in computing, an allied field, or to enter the computing profession (most commonly as an application software engineer). According to the Bureau of Labor Statistics, software engineers are highly paid, and there is significant growth in the number of employment opportunities. Some software engineering jobs may include:
- creating applications for mobile devices
- creating Web applications
- working on data, network, security or computer systems administration

\section*{Contact Information:}

Engineering, Ira A. Fulton Schools of
Software Engineering
https://cidse.engineering.asu.edu/forstudent/undergraduate/majors/software-engineering-bs/
PICHO 245
cidse.undergrad@asu.edu
480-727-3520

\section*{Technological Entrepreneurship and Management, BS (TSTEM2BS)}

Campus: Polytechnic, Online

\section*{Program Description:}

The BS program in technological entrepreneurship and management advances the knowledge and practice of entrepreneurship and innovation. To enhance students' understanding of business fundamentals, the Fulton Schools of Engineering have partnered with the W. P. Carey School of Business to offer a degree that is jointly conferred by both colleges. The degree program prepares students to address social and corporate issues to impact and change the world; create, launch and improve technology-based products, services and ventures; and identify and solve open-ended problems using engineering and technology approaches.

Students receive a foundation in both technology and business fundamentals, with an emphasis on technology entrepreneurship and innovation in one of two focus areas: innovation and operation management or social entrepreneurship.

The program objectives for this degree include:
impact on social, cultural and economic environments
- formulate methodologies to advance the knowledge of entrepreneurship and innovation
- launch technology-based products and services from idea generation through actualization
- use quantitative and qualitative methods to demonstrate continuous improvement of products, services, and processes
- utilize a systems approach for the effective design and improvement of entrepreneurial and innovation ventures

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: \(Y\)
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with: Global Technology and Development, MS Technology (Management of Technology), MSTech
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

\section*{Change of Major Requirements}

A current ASU student has no additional requirements for changing majors.Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)

Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Small businesses and startups create the majority of new jobs in the U.S. while larger corporations seek individuals who can see the big picture and solve complex problems. Students in the technological entrepreneurship and management program learn the range of skills needed to develop new products, services and business models as well as whole new industries. The technological entrepreneurship and management program prepares students for a wide variety of career possibilities; some examples are technology-based entrepreneurship, product development, consulting, venture capital analysis, business development, market analysis, and technology marketing.

\section*{Contact Information:}

Business, W. P. Carey School of
Tech Entrepreneurship \& Mgmt
https://poly.engineering.asu.edu/tem/bs-technological-entrepreneurship-and-management/
WANER 230
polyadvising@asu.edu
480-727-1874

\section*{Future of Innovation in Society, School for the}

\section*{Innovation in Society, BA (FIFISBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in innovation in society equips students with the tools needed to analyze how science, technology and other social forces shape our present and future. Students cultivate the critical-thinking skills needed to develop creative strategies that steer innovation toward the needs and values of society. This Bachelor of Arts degree is best suited to students interested in the arts, design, humanities and social sciences who want to play a pivotal role in bringing different disciplines together to solve the world's most difficult problems. Students gain skills to synthesize research and theory from the social sciences, humanities, natural sciences and engineering so they can work to build better futures for everyone. This transdisciplinary degree prepares students to navigate complex issues in careers in fields as varied as public service, business, policy and academia.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Global Technology and Development, MS
Science and Technology Policy, MSTP
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Governments, corporations and nongovernmental organizations face rapid change driven by or relating to science and technology. They need people who can respond effectively; people who can develop and implement policy; understand the intersection of science, technology and society; and have the analytical skills to deal with challenges. Students graduating from this program have the skills to work in any of these sectors providing problem-solving, analysis, quality assurance, futuring, and communication and facilitation on issues related to science, technology, innovation and society. Graduates are prepared for professional schools, public service and policymaking, industry, and entrepreneurship; they are also prepared for graduate research in a variety of disciplines.

\section*{Contact Information:}

Future of Innovation in Society, School for the School for the Future of Innovation in Society https://sfis.asu.edu/degree/innovation-society-0 INTDB 256

\title{
Innovation in Society, BS (FIFISBS)
}

Campus: Tempe

\section*{Program Description:}

The BS program in innovation in society equips students with the tools needed to analyze how science, technology and other social forces shape our present and future. Students cultivate the critical-thinking skills needed to develop creative strategies that steer innovation toward the needs and values of society. This Bachelor of Science degree is best-suited to students interested in natural sciences, engineering and quantitative social sciences who want to play a pivotal role in bringing different disciplines together to solve our world's most difficult problems. Students gain skills to synthesize research and theory from the social sciences, humanities, natural sciences and engineering so they can work to build better futures for everyone. This transdisciplinary degree prepares students to navigate complex issues in careers in fields as varied as public service, business, policy and academia.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with: Global Technology and Development, MS Science and Technology Policy, MSTP
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)

Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Governments, corporations and nongovernmental organizations face rapid change driven by or relating to science and technology. They need people who can respond effectively; people who can develop and implement policy; understand the intersection of science, technology and society; and who have the analytical skills to deal with challenges. Students graduating from this program have the skills to work in any of these sectors providing problem-solving, analysis, quality assurance, futuring, and communication and facilitation on issues related to science, technology, innovation and society. Graduates are prepared for professional schools, public service and policymaking, industry, entrepreneurship; they also are prepared for graduate research in a variety of disciplines.

\section*{Contact Information:}

Future of Innovation in Society, School for the School for the Future of Innovation in Society https://sfis.asu.edu/degree/innovation-society INTDSB 256
sfisundergrad@asu.edu
480-727-0627

\section*{Global Management, Thunderbird School of}

\section*{Global Management, BGM (TBTGMBGM)}

Campus: West

\section*{Program Description:}

The BGM degree program draws on Thunderbird School of Global Management's expertise in global management practices and intercultural communication training to provide students with a highly specialized, global business education.

The Bachelor of Global Management program prepares students to take on leadership roles in multinational corporations as well as nongovernmental organizations. Thunderbird's outstanding global management faculty members and strong relationships with global organizations allows students to develop the skills needed to operate effectively in today's globally connected world. Students develop skills that international employers, governments and nongovernmental entities value highly.

The program offers two tracks: the international business, language and culture track, in which two years of foreign language is required; and the international business and culture track, in which there is no foreign language requirement but more emphasis on management-related courses. Students who select the foreign language track may complete coursework in Chinese or Spanish. Speakers of English as a second language can choose the international business and culture track, or choose a third language within the international business, language and culture track.

Students have the opportunity to put the skills they have learned into practice in real-world settings through a required internship. Although the program strongly encourages students to pursue international internships, students may also satisfy this requirement by doing a local internship with an international orientation. Students also complete a senior capstone project of their choice, which draws upon the unique skills they have developed throughout the program. The internship and the capstone project allow students to demonstrate their skills and work experience for potential employers as part of their professional development plan.

Additional Program Fee: Y
Second Language Requirement: Yes

First Required Math Course: MAT 117-College Algebra
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Global Affairs and Management, MA Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of the Bachelor of Global Management degree program have a variety of transferable skills combined with the ability to adapt to everchanging business environments, tolerance for ambiguity and a demonstrated passion for learning about other cultures. Students who complete this
program are equipped to play key roles in multinational corporations and in government as well as nongovernmental organizations. There is demand for global skills in careers such as international business, trade, finance, accounting, human resources, marketing, corporate communications and international relations.

\section*{Contact Information:}

Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degrees/undergraduate/bachelor-global-management
FAB N138
UGAdvising@thunderbird.asu.edu
602-543-0029

\section*{International Trade, BS (TBINTRABS)}

Campus: West

\section*{Program Description}

The BS program in international trade provides rigorous training in skills related to a career in international trade. Students learn the functional disciplines of international business while gaining an in-depth understanding of the political, cultural and economic aspects of doing business in the international market. Supported by Thunderbird's emphasis on a global perspective, students acquire tools to manage supply chains, systematically assess risk, export and import goods and services, and use economic agreements to develop effective strategies for conducting international trade.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 117-College Algebra
Program Math Intensity: Moderate

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Business (Global Logistics Management), BA

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Global Affairs and Management, MA Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Concurrent degree admission requirements:
Students interested in the international trade and business (global logistics management) program must meet general university admission requirements.

Transfer students wishing to pursue the concurrent degree combination must have a 3.00 cumulative transfer GPA and a 3.00 cumulative ASU GPA (if applicable) in addition to meeting the general admission requirements in order to be admitted to this program. If the student does not meet the admission requirements for the concurrent program, they will be placed in the BS in international trade.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Coconino Community College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

There are numerous careers related to international trade, some of which include international country account managers, managers, international sales managers, international business development managers, regional managers, export and import brokers, international consultants, international logistics specialists and global supply chain managers.

\section*{Contact Information:}

Global Management, Thunderbird School of
Thunderbird School of Global Management
https://thunderbird.asu.edu/degrees/undergraduate/bachelor-science-international-trade
FAB N100
UGAdvising@thunderbird.asu.edu
602-543-3000

\section*{Health Solutions, College of}

\section*{Applied Science (Food Service Management), BAS (ECNTRBAS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BAS degree program with a concentration in food service management is designed to complement and enhance the educational preparation of students holding an AAS degree in culinary or hospitality science.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree. This program is not available for freshmen.

\section*{Change of Major Requirements:}

Only students who have completed a Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This degree program prepares students for careers in food production, service, management and marketing. With additional education or professional training, students may also become credentialed as:
- certified dietary managers
- registered sanitarians
- school food service and nutrition specialists

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300

\section*{Applied Science (Health Sciences), BAS (NUHSCBAS)}

Campus: Downtown Phoenix, Online

\section*{Program Description:}

The BAS program with a concentration in health sciences is designed specifically for students who have earned an AAS degree from a regionally accredited institution. In completing the bachelor's degree program, students complete all ASU graduation requirements.

This is a flexible undergraduate degree designed for students entering the health and health care workforce at a variety of levels. Students can complete up to 60 credit hours at a community college prior joining the degree program, at which time they are required to complete as few as 60 additional credit hours at ASU to earn the Bachelor of Applied Science. Degrees can be customized based on student area of interest, including health and aging, health legislation, integrative care, Spanish and health, and community based health outcomes.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree. This program is not available for freshmen.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-applied-science-health-sciences?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

Only students who have earned a Associate of Applied Science are eligible to change their majors to this degree program. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates will be able to return to their original area of expertise in allied health (i.e., radiology, nuclear imaging) and qualify for a managerial position, be an educator or instructor within their field of expertise, or qualify for a higher-grade position within their current place of employment. Other career options include positions such as:
- elder services program coordinator
- health and patient educator
- health maintenance organization or insurance company client coach
- Healthy Start coordinator
- home health care coordinator
- long-term care health and wellness coordinator
- school health and program specialist
- women, infants, children and community nutrition aide

\section*{Contact Information:}

Health Solutions, College of
School for the Science of Health Care Delivery
https://chs.asu.edu/programs/schools/school-science-health-care-delivery/programs
HLTHS 444AA
chs@asu.edu
602-496-3300

\section*{Applied Science (Medical Laboratory Science), BAS (NUMLSBAS) \\ Campus: Downtown Phoenix}

\section*{Program Description:}

The BAS in medical laboratory sciences is designed to provide the academic knowledge and professional skills that allow students to advance their employment opportunities within the fields of medical technology, cytology, clinical laboratory science and related areas.

Medical laboratory scientists, also known as clinical laboratory scientists, are highly skilled professionals who perform analytical tests on blood, tissue and body fluids to provide laboratory information for the detection, diagnosis and treatment of human diseases. There also is a growing trend for medical laboratory scientists to perform wellness laboratory testing aimed at preventing disease. They work independently and have skills and knowledge that are greater in depth and breadth compared to medical laboratory technicians, who typically are graduates of a two-year or community college program.

A detailed description of courses and the transfer path is available through the major map link.

More program information is available through the links below:

Program handbook: https://chs.asu.edu/sites/default/files/mdl_handbook_20170713.pdf
(https://chs.asu.edu/sites/default/files/mdl_handbook_20170713.pdf)

Program schedule: https://chs.asu.edu/sites/default/files/mdl_2017_2019_schedule_20170713.pdf
(https://chs.asu.edu/sites/default/files/mdl_2017_2019_schedule_20170713.pdf)

Additional program information: https://chs.asu.edu/sites/default/files/medical-laboratory-science-program.pdf (https://chs.asu.edu/sites/default/files/medical-laboratory-science-program.pdf)

Course guide: https://chs.asu.edu/sites/default/files/mdl_course_sequence_1718_20170713.pdf
(https://chs.asu.edu/sites/default/files/mdl_course_sequence_1718_20170713.pdf)

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Only students who have been admitted through Phoenix College and who have completed the prerequisite course work, verified by the program director or program advisor, are eligible to apply to this program. The following requirements are a part of the application process and are included in the separate program application, released to those who are considered eligible during a specified application cycle:
- Gain admission to Phoenix College.
- Complete the program application, which should include:
- student information
- coursework
- immunizations
- basic life support or CPR
- fingerprint clearance card
- health declaration
- experience in medical laboratory sciences
- employment observation verification
- references
- Review and sign the checklist.

Submit the materials to:

CHS Student Services

Mail Code 9020 ATTN: MDL Program

Arizona State University

500 N 3rd St
- Apply to Arizona State University.

\section*{Change of Major Requirements:}

Only students who have completed an Associate of Applied Science degree are eligible to declare a Bachelor of Applied Science major at ASU. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Coconino Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Bureau of Labor Statistics reports that 13,000 new laboratory professionals will be needed in the United States each year; however, current training programs graduate only 5,000 students each year. The majority of medical laboratory scientists and technologists work in hospital laboratories. Others work in independent laboratories, reference laboratories, clinics, health maintenance organizations, public health agencies, pharmaceutical firms, research institutions, scientific equipment companies, physicians' offices and as teachers in college clinical laboratory science programs. The working environment is as varied as the types of practice in which medical laboratory scientists are engaged.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/applied-science-medical-laboratory-science
HLTHS 444AA
chs@asu.edu
602-496-3300

\section*{Biomedical Informatics, BS (ESBMIBS)}

Campus: Tempe

\section*{Program Description:}

Biomedical informatics combines information technology, data science and knowledge for improvement in patient health care. The program educates undergraduate students in the informatics knowledge and skills that are so important in today's health care industry.

The program will enable graduates to improve the quality of patient health care and reduce the cost of it by consolidating patient health history and interventions across hospitals and clinics; providing the right information about patient health to clinicians; and, reducing clinical errors and waste. They will be able to minimize the number of hospital visits by managing and monitoring a patient's clinical condition at home, and they will be able to shorten hospital stays and improve the patient hospital experience by providing the patient with faster access to resources.

Graduates will be able to evaluate a patient's condition; make an early detection of disease; support the clinician in making a better, more precise diagnosis and prognosis; plan a treatment for the patient's disease; and track disease progression.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 251-Calculus for Life Sciences
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Biomedical Informatics, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This rapidly expanding field prepares graduates for careers in a wide range of health care settings. Graduates of the program are employed in positions such as biomedical analysts, medical information analysts, software analysts, electronic health records analysts, public health informatics scientists and research associates, among others. Some with interests in life sciences and technology may see this program as a unique way to combine the two. Others may find this degree the first step toward medical school or advanced medical research or to continued graduate-level study in biomedical informatics.

\section*{Contact Information:}

Health Solutions, College of
Biomedical Informatics Program
https://chs.asu.edu/programs/schools/department-biomedical-informatics
HLTHS 444AA
bmi@asu.edu
602-496-3300

\section*{Exercise and Wellness, BS (ECEXERBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS degree program in exercise and wellness provides students with in-depth scientific knowledge and hands-on experiences in the field of promoting health through physical activity and enhancing human performance across a broad range of populations. Students complete a core curriculum of exercise science then have the ability to choose upper-division electives specific to their area of interest. A degree in exercise and wellness prepares students for immediate careers in fitness and provides hands-on skills that can be used in professional schools.

Additional Program Fee: Y

\section*{Second Language Requirement: N}

First Required Math Course: MAT 117 - College Algebra
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Clinical Exercise Physiology, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program may pursue employment locations such as:
- health care systems and medical centers
- lifestyle and weight management consulting firms
- nonprofit disease prevention agencies (e.g., American Heart Association)
- university fitness and wellness centers

Specialty areas may include:
- bariatric weight loss clinic counseling and management
- corporate fitness and worksite wellness

Possible careers titles may include the following:
- athletic trainer*
- fitness center director
- group exercise specialist
- occupational therapist*
- personal training
- physical therapist*
- physical therapy technician
- sports performance coach
- sports performance director
- sports scout
- tactical performance coach
*Advanced degrees or certifications may be required for academic or clinical positions.

Students also are well-prepared for admission into graduate programs in exercise physiology, obesity prevention and management, rehabilitative fields (e.g., physical therapy), and medicine.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/exercise-and-wellness-0
HLTHN, 4th floor
chs@asu.edu
602-496-2644

\section*{Exercise and Wellness (Exercise for Obesity Prevention), BS (NHEXWOPBS) \\ Campus: Downtown Phoenix}

\section*{Program Description:}

The concentration program in exercise for obesity prevention will prepare students to assist others in adopting physical activity behaviors for healthy lifestyles, obesity prevention and weight management. Students will engage in focused study involving the use of exercise to reduce disease risk and improve health in those classified as overweight or obese. Students will learn to assess health and fitness, learn about the etiology and consequences of obesity, receive education on health behavior change, and provide appropriate exercise prescriptions for health and weight management goals. Students in this concentration will be exposed to applied assessment labs and practical internships to gain the knowledge and experience they will need to be competent exercise and health promotion professionals. Graduates will be prepared for the American College of Sports Medicine exam for Certified Exercise Physiologist.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 117 - College Algebra
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
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\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students who complete the bachelor's degree program in exercise and wellness with a concentration in exercise for obesity prevention will be wellsuited for employment in fitness and wellness-oriented locations such as:
- bariatric weight loss clinic counseling and management
- corporate fitness and worksite wellness
- health care systems and medical centers
- lifestyle and weight management consulting
- nonprofit disease prevention agencies (e.g., American Heart Association)
- university fitness and wellness centers

Students also will be well-prepared for admission into graduate programs in exercise physiology, obesity prevention and management, rehabilitative fields (e.g., physical therapy) and medicine.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/exercise-and-wellness-0
HLTHN 4th floor
chs@asu.edu
602-496-2644

\section*{Exercise and Wellness (Fitness and Wellness Specialist), BS (ECEXWBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS program in exercise and wellness provides students with the knowledge and practical skills necessary to assist individuals in reaching optimal health. Students are prepared to pursue nationally recognized and credentialed certifications provided by professional organizations in fields of study related to physical activity, strength and conditioning, or exercise physiology. The exercise and wellness student is also well prepared, with the addition of the prerequisite courses, to continue into graduate schools required for careers in physical therapy, occupational therapy, athletic training or other medical fields.

The exercise and wellness program consists of a carefully designed curriculum emphasizing:
- competency in the instruction of basic and advanced techniques related to flexibility, resistance training and cardiovascular exercise
- competencies required to attain advanced level certifications from professional associations in the field
- foundational knowledge of exercise physiology and applied kinesiology
- methods to understand and help improve individuals with regard to their health behavior choices
- skills in assessing and interviewing clients in preparation for fitness and wellness programming
- skills in designing and manipulating program variables to work with apparently healthy or symptomatic individuals

Students in the exercise and wellness degree program also have the ability to enroll in courses that will enhance their abilities to work with high performance athletes, obese individuals or those at risk for suffering from other hypokinetic diseases.

Employment of fitness and wellness professionals is expected to grow by up to 24 percent through 2020, much faster than other occupations, driven by efforts to reduce health care costs by teaching people about healthy behaviors. The need for exercise and wellness programming and facilities will increase the need for workers in these areas.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 117-College Algebra
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
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Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students who complete the exercise and wellness degree will have enhanced opportunities in fitness and wellness employment settings because
clients and employers prefer to work with people who are more highly prepared and qualified.

Undergraduates in this concentration often pursue careers in such fields as:
- clinical exercise
- corporate fitness
- fitness management
personal training
- sports performance
- wellness center management

Students may also pursue further graduate study in such fields as:
- athletic training*
- cardiac rehabilitation*
- occupational therapy*
- physical therapy*
physician assistant*
*Advanced degrees or certifications may be required for academic or clinical positions

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/exercise-and-wellness-0
HLTHS 444AA
chs@asu.edu
602-496-3300

\section*{Exercise and Wellness (Health Promotion), BS (ECEXWHBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS program in exercise and wellness with a concentration in health promotion provides students a pathway to become a Certified Health Education Specialist. Students will gain the knowledge, skills and expertise to develop and deliver programs that enhance awareness about healthy lifestyle behavior, increase health-enhancing behaviors, decrease health risk behaviors and create environments supportive of healthy lifestyles.

Students are prepared with:
- competencies required to pursue the Certified Heath Education Specialist certification
- foundational knowledge in nutrition, physical activity and stress for chronic disease prevention
- knowledge, skills and ethics for assessing and understanding group and community health needs
- methods for helping people make health behavior changes and teaching people about health risks and behaviors
- skills in designing, implementing, administering and evaluating effective health promotion programs in work site, community, health care and agency settings

A distinctive aspect of the health promotion concentration is an outstanding capstone internship that provides preprofessional experience in health promotion settings.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 117-College Algebra
or MAT 170

\section*{Program Math Intensity: Moderate}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The rising cost of health care has increased the need for individuals with the skills and abilities to provide health education and health promotion programs. As health care costs continue to rise, insurance companies, employers and governments are attempting to find ways to curb costs. One of the more cost-effective ways is to employ health promotion professionals to teach people how to live healthy lives and avoid costly treatments for illnesses. Health promotion professionals work in various environments based on the industry in which they are employed. In public health, nonprofit organizations, corporations and businesses, colleges and universities, and medical care settings, they primarily work in offices. However, they may spend a lot of time away from the office implementing and attending programs, meeting with community organizers, speaking with patients or teaching classes.

Undergraduates in this concentration often pursue careers in such fields as:
- college and university wellness and health promotion
- government health departments and agencies
- health and wellness coaching
- nonprofit disease prevention agencies
- private health care organizations
- wellness centers
- worksite wellness and health promotion

Students may also pursue further graduate study in such fields as:
- health education
- health promotion
- health psychology
- medicine
- occupational therapy
- physician assistant
- public health

Advanced degrees or certifications may be required for academic or clinical positions.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300

\section*{Exercise and Wellness (Strength and Conditioning Specialist), BS (NHEXWSCBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The strength and conditioning specialist concentration is designed for students who want to work with active or athletic populations, including sport and tactical occupations. These students may work with high school, college or professional sports organizations in scholastic or private sports performance training facilities, with tactical sports performance clients (e.g., military, police, firefighters, EMT) in municipal or government-run facilities or with individual clients participating in more active, higher intensity-based fitness programs. Students in this concentration will be exposed to applied assessment labs and practical fieldwork to gain the knowledge they will need to be competent coaches in this field. Graduates will be prepared to sit for the Certified Strength and Conditioning Specialist or the Tactical Strength and Conditioning-Facilitator examinations offered by the National Strength and Conditioning Association (https://www.nsca.com (https://www.nsca.com)) at the completion of their coursework. Students interested in careers in the field of sports medicine (athletic trainers, sports physical therapists, orthopedic surgeons, etc.) may also benefit from the coursework to provide an understanding of the training programs that accompany sports participation.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 117 - College Algebra
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Coconino Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Many graduates of this program go onto careers which include:
- athletic trainer*
- fitness center director
- group exercise specialist
- personal trainer
- physical therapist*
- physical therapy technician
- sports performance coach
- sports performance director
- sports scout
- tactical performance coach
*Additional prerequisites and post-graduate degrees are required.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/exercise-and-wellness-0
HLTHN 4th floor
chs@asu.edu
602-496-2644

\title{
Health Education and Health Promotion, BS (NHHEHPBS)
}

Campus: Downtown Phoenix, Lake Havasu, Online

\section*{Program Description:}

The BS in health education and health promotion provides students a pathway to become a certified health education specialist through the National Commission for Health Education Credentialing (https://www.nchec.org/ (https://www.nchec.org/)). Based on a random sample of community health job advertisements (September, 2017), health professionals with the CHES credential earn up to a 47 percent higher salary than health professionals without it.

The program provides professional preparation in population-based health education, including school and community health education. Students pursuing a bachelor's degree in health education and health promotion gain foundational knowledge in health promotion program planning, implementation, and evaluation as well as in certified health education specialist competencies, and they learn about specific health education strategies for effectively delivering community and school health education. interventions. Students develop an understanding of various areas addressed by certified health education specialists, including injury prevention, violence prevention, substance abuse prevention, sexual health education, emotional health education, foundations of school health education, social media and marketing in health education, nutrition, physical activity, and stress for chronic disease prevention.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 117-College Algebra
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The Downtown campus is available to all students who meet university admission standards

The West campus is only available to students who will be first time freshmen as defined as those who have earned 12 college credit hours or less at the time of admission.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag) Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The rising cost of health care has increased the need for individuals with the skills and abilities to provide health education and health promotion programs. As health care costs continue to rise, insurance companies, employers and governments are attempting to find ways to curb costs. One of the more cost effective ways is to employ health education and health promotion professionals to teach people how to prevent disease and injury, live healthy lives and avoid costly treatments for illnesses. Health promotion professionals work in various environments based on the industry in which they are employed.

Undergraduates in this degree program often pursue careers in wellness and health promotion in such environments as:
- colleges and universities
- community health agencies
- hospitals and medical facilities
- insurance companies
- voluntary health organizations
- private health care organizations
schools
- state and county health departments
wellness centers
- work site wellness and health promotion

Students may also pursue further graduate study in such fields as:
- health education
- health promotion
- health psychology
- medicine and dentistry (with additional elective sciences)
- public health
- social work

Advanced degrees or certifications may be required for academic or clinical positions.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
healthpromotion@asu.edu
602-496-3300

\section*{Health Sciences, BS (NHHSCBS)}

Campus: Downtown Phoenix, West

\section*{Program Description:}

The BS program in health sciences is designed to provide the academic knowledge and skills that allows students to move directly into a range of employment opportunities within the health field or to continue their education in discipline-specific programs. Students choose a track focus in either community-based health outcomes, health legislation and regulation, integrated care, or Spanish and health.

A limited number of students each year may apply to pursue the echocardiography certificate through the Mayo Clinic. Once the certificate is successfully completed, students may transfer the credits to Arizona State University, and those credits may be applied toward completion of the Bachelor of Science in health sciences.

Additional Program Fee: N

\section*{Second Language Requirement: N}

First Required Math Course: MAT 117-College Algebra
or MAT 142 College Mathematics

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared to enter the health and health care workforce in a variety of capacities, including indirect and direct patient and community care roles. Examples include home health, care coordination, medical interpretation, health services management, patient navigation, community health, etc.

Graduates also may choose to pursue advanced degree programs in various discipline-specific medical fields.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion

\title{
Health Sciences (Health Policy), BS (NUHSCHPBS)
}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS program in health sciences is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field or continue their education in discipline-specific programs. Students complete a complement of core courses that emphasize ethics, communication skills, critical thinking and cultural awareness

The health policy program is designed for students interested in the community policy aspects of disease prevention and health promotion. The continuum of health care now spans a diverse array of health providers ranging from private practitioner offices and outpatient care centers to residential care facilities and acute care hospitals. Key to the enhancement of health care within the U.S. is the development and implementation of innovative, cost-effective and universally accessible programs. Students in this concentration are required to complete a supervised practicum, providing hands-on experience within their field of interest. Students may also wish to consider using their electives to complete a minor in nonprofit administration, which requires 15 credit hours.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
or MAT 117

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The Downtown campus is available to all students who meet university admission standards.

The West campus is only available to students who will be first time freshmen as defined as those who have earned 12 college credit hours or less at the time of admission.

\section*{Transfer Agreements:}

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are available in city, county and state departments of health, with additional employment opportunities in the health insurance industry, nonprofit sector and within various corporate entities providing health care.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300

\title{
Health Sciences (Healthy Lifestyles Coaching), BS (NUHSCHLCBS)
}

Campus: Downtown Phoenix, West, Online

\section*{Program Description:}

The BS program in health sciences with a concentration in healthy lifestyles coaching is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field or continue their education in discipline-specific programs. Students complete a complement of core courses that emphasize ethics, communication skills, critical thinking and cultural awareness. The healthy lifestyles coaching emphasis brings together coursework from exercise and wellness, nutrition, and health care delivery to give students a strong background in preventative health care.

The degree program allows students to explore a range of interests in health education and is designed for students who are seeking immediate employment in the community health education or health promotion fields.

Students who complete this degree and one additional course are eligible for the National Board Certification for Health and Wellness Coaches offered by International Consortium for Health \& Wellness Coaches: http://www.ichwc.org (http://www.ichwc.org).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)
program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-sciences-healthy-lifestyles-coaching?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

According to the U.S. Bureau of Labor Statistics, employment for health coaches and health educators is projected to grow 21 percent from 2012 to 2022, faster than the average for all occupations. Growth is driven by efforts to improve health outcomes and to reduce health care costs by teaching people about healthy habits and behaviors and utilization of available health care services. Health coaches work in hospitals and health care facilities, schools, public health departments, nonprofit organizations, and private businesses. Career options include positions such as:
- elder service or congregate meal program coordinator
- health and patient educator
- Healthy Start or corporate wellness coordinator
- school health and nutrition program specialist
- women, infants, children and community nutrition aide

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA

\title{
Health Sciences (Pre-professional), BS (NUHSCPREBS)
}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS program in health sciences is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field or continue their education in discipline-specific programs. The preprofessional program is designed for students planning to enter medical, dental, osteopathic, physical therapy, veterinary, pharmacy and similar professional schools. In addition to a comprehensive core of basic science courses, the concentration is unique in that it provides a solid base in ethics; communication; the evaluation of research (the cornerstone of evidence-based practice); and healthy lifestyles (the foundation of health promotion and chronic disease risk reduction avenues of health care), including the role of complementary and alternative care within the U.S. health care system. Students have the ability to incorporate electives that contribute to their knowledge of and sensitivity to the needs of populations impacted by health disparities.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 251 - Calculus for Life Sciences
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

If not entering an advanced degree program in the medical field, employment opportunities include:
- clinical research coordinator
- health officer
- sales and marketing representative for pharmaceutical or medical device companies

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300

\section*{International Public Health, BIPH (NHIPHBIPH)}

\author{
Campus: Online
}

\section*{Program Description:}

The Bachelor of International Public Health advances the core principles of the PLuS Alliance by developing solutions to global challenges and generating social impact in health and health care. This degree program is designed to build and strengthen the international public health workforce and includes coursework from three leading universities: ASU, the University of New South Wales and King's College. Aligned with U.S. accreditation standards in public health, the coursework teaches new approaches to emerging public health issues including health promotion, communicable disease prevention, environmental health, public health surveillance and global health management.

Students also have the opportunity to study abroad through optional faculty-led Global Intensive Experiences as well as semester, summer and spring break programs.

In their final year, students will complete a capstone experience either locally or abroad in their area of interest, which will prepare them for careers in global health policy, data and informatics, systems thinking, and community-based care.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 117-College Algebra
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-international-public-health)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select
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Coconino Community College(https://transfer.asu.edu/tag)
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Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The most recent report of the United Nations High-Level Commission on Health Employment and Economic Growth described the importance of a global workforce that will support the creation of 40 million new jobs, particularly in low- and middle-income countries by 2030. Critical needs include global health policy, data and informatics, systems thinking, ethics, economics and community-based care.

Specific career titles include:
- education coordinator
- health coach
- program coordinator
- program manager
- program officer
- project analyst
- research associate
- research manager

Commonly cited hiring organizations include the Peace Corps, the United States Agency for International Development, the Centers for Disease Control and Prevention, the World Health Organization, the United Nations Children's Fund, and other nongovernmental organizations. Other opportunities include postgraduate fellowships with the CDC and UNICEF, among others.

\section*{Contact Information:}

Health Solutions, College of
School for the Science of Health Care Delivery
https://chs.asu.edu/programs/schools/school-science-health-care-delivery/programs
HLTHS 444AA
chs@asu.edu
602-496-3300

\section*{Kinesiology, BS (NUKINBS)}

Campus: Downtown Phoenix, Lake Havasu

\section*{Program Description:}

Kinesiology is a discipline emphasizing the study of human movement as it relates to health, physical activity and exercise, disease prevention and treatment, and physical rehabilitation. Using human models and reflecting research ranging from basic to applied, undergraduate students in the program gain a disciplinary knowledge of the anatomical, biomechanical, developmental, neural, physiological and psychological mechanisms underlying human movement. A degree in kinesiology prepares students for graduate study in physical or occupational therapy, physician assistant programs, medicine, and other health-related professional programs.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Clinical Exercise Physiology, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Cochise College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

An undergraduate degree in kinesiology prepares students for graduate study in a variety of clinical and research occupations including:
- chiropractor
- dentist
- occupational therapist
- physical therapist
- physician
- physician assistant

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
CHS@asu.edu
602-496-3300

\section*{Medical Studies, BS (NHMEDBS)}

Campus: Downtown Phoenix, West

\section*{Program Description:}

The BS program in medical studies allows students to meet the prerequisites for a variety of health professions programs (medicine or MD programs, dentistry, physician assistant, pharmacy, occupational therapy, physical therapy, optometry and others) and prepares the student for required postgraduate entrance exams, including the revised MCAT.

Students can customize the medical studies degree to meet the prerequisites of the health professions programs for which they intend to apply. Students have the opportunity to learn directly from health care providers, and they can select clinically related internships or electives during their junior year.

This degree program integrates communication, ethics, critical thinking, teamwork and leadership, all of which are essential competencies for members of today's health care team.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students graduating from this program are academically prepared, well-rounded and adept in skills for a number of exciting careers in the allied health fields, dentistry or medicine; education; government; health care industries; or nonprofit organizations. Positions could include:
- community health worker
- project coordinator
- research assistant
- sales or marketing representative (e.g., medical device or pharmaceutical industry)

Students are well-prepared to pursue postgraduate health degrees, resulting in a career as a:

\footnotetext{
chiropractor
}
- dentist
- naturopathic physician
- optometrist
- pharmacist
- physician
- physician assistant
- podiatrist
- public health professional

Many other career options may be available.

\section*{Contact Information:}

Health Solutions, College of
School for the Science of Health Care Delivery
https://chs.asu.edu/programs/medical-studies
HLTHS 444AA
med@asu.edu
602-496-3300

\section*{Nutrition, BS (NHNTRBS)}

Campus: Downtown Phoenix, Online

\section*{Program Description:}

The BS program in nutrition provides students with the ability to apply nutrition principles in a variety of fields based on one of the following tracks.

Food and nutrition management --- Students develop an understanding of the food industry, learn to manage and market food, and develop a food or menu that meets a specific nutritional guideline, preparing them to apply their knowledge to food production.

Nutrition communication --- Students become experts in communicating health and nutrition information through nutrition courses that provide content for the articles students write in their communication-related studies. This track provides students with a strong understanding of the scientific method, statistics, nutrition, health care and wellness that some traditional journalists might lack.

Food studies --- Students gain knowledge in all aspects of food and food production through a strong foundation in nutrition, food systems and food marketing.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/nutrition-bs)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

According to the National Restaurant Association, the number of food service managers is projected to increase by 15 percent in the next 10 years. The food and nutrition management track prepares students to become food service directors at schools, health care facilities and corporate food service operations. Graduates of the program aspire to own restaurants or nutrition-related businesses, work in supplement or pharmaceutical sales, or work in food marketing and distribution.

The nutrition communication track offers employment opportunities with community and health care agencies, magazines, newspapers, private corporations (e.g., public relations firms) and Web-based companies. Graduates can pursue careers as authors, consultants in program or product development, freelance writers for newspapers and magazines, and public relations representatives for food and beverage companies.

The food studies track prepares graduates for careers in food media, food policy, food history, culinary and food tourism, food product marketing and food product development.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300

\section*{Nutrition (Dietetics), BS (ECNTRDBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS in nutrition with a concentration in dietetics prepares students with the required coursework and skill set to apply for a dietetic internship required to sit for the registration exam to become a registered dietitian, which is a food and nutrition expert. In addition to a core of professional nutrition courses, students will complete a broad range of science, management and communication classes. The program emphasizes the application of nutrition within clinical, community, food production and wellness areas.
us/become-an-rdn-or-dtr (https://www.eatrightpro.org/resources/about-us/become-an-rdn-or-dtr).

ASU's bachelor's degree program in nutrition with a concentration in dietetics is accredited as a Didactic Program in Dietetics by the Accreditation Council for Education in Nutrition and Dietetics, 120 S. Riverside Plz., Ste. 2190, Chicago IL 60606-6995, phone: 800-877-1600, ext. 5400.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

The nutrition and dietetics field provides employment opportunities in fields such as:
- consulting
- education
- food and nutrition marketing and sales
- nutrition and health promotion
- school food service

Graduates may find opportunities in environments such as:
- hospitals and other health care facilities
- public health agencies

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300

\section*{Nutrition (Food and Nutrition Management), BS (ECNTRMBS)}

Campus: Downtown Phoenix, Online

\section*{Program Description:}

The BS program in nutrition with a concentration in food and nutrition management provides students with the ability to apply nutrition principles to food production. This concentration is designed to provide students with an understanding of the food industry so they can manage and market food and develop a food or menu that meets a specific nutritional guideline.

Coursework focuses on a strong foundation in food purchasing, production and planning. Additional coursework in management, marketing and nutrition prepares students for a variety of food service positions. Graduates can also pursue the credentials of certified dietary manager, school nutrition specialist or registered sanitarian.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nutrition-food-and-nutrition-management-bs)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

According to the National Restaurant Association, the number of food service managers is projected to increase by 15 percent in the next 10 years. This degree prepares students to become food service directors at schools, health care facilities and corporate food service operations. Graduates of the program aspire to own restaurants or nutrition-related businesses, work in supplement or pharmaceutical sales, or work in food marketing and distribution.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300

\section*{Nutrition (Food and Tourism Management), BS (ECNTFTMBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS program in nutrition with a concentration in food and tourism management prepares students to operate healthy, cost-effective food service operations in the food and tourism industries. Students develop a unique skill set that enables them to thrive in these growing industries, through courses from the School of Nutrition and Health Promotion in the College of Health Solutions and from the School of Community Resources and Development in the College of Public Service and Community Solutions.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This program is beneficial for students interested in seeking careers as food service directors in resorts, parks, convention centers and a variety of other tourism venues around the globe.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
480-496-3300
Nutrition (Human Nutrition), BS (ECNTRHBS)

\section*{Program Description:}

The BS program in nutrition with a concentration in human nutrition provides students with a strong foundation in nutrition and science that prepares them for careers in public or community health programs and clinical or graduate research programs.

In addition to providing a strong foundation in medical nutrition therapy, the coursework includes anatomy, physiology, chemistry and microbiology. Students gain knowledge of nutritional concepts that health care professionals sometimes lack.

Students from this program have gone on to study:
- dentistry
- medicine
- naturopathic medicine
- optometry and podiatry
- osteopathic medicine
- pharmacy

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The nutrition field provides employment opportunities in:
- education
- food and nutrition marketing and sales
- food service
- health care
- nutrition and health promotion and consulting
- public health

Graduates of the human nutrition program often go on to apply to medical school or another health profession. The area of nutrition research is also a good fit for human nutrition majors.

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/schools/school-nutrition-and-health-promotion
HLTHS 444AA
chs@asu.edu
602-496-3300

\section*{Nutrition (Nutrition Communication), BS (ECNTRCBS)}

Campus: Downtown Phoenix, Online

\section*{Program Description:}

The BS in nutrition with a concentration in nutrition communication is designed to help students become experts in communicating health and nutrition content. This concentration was originally developed in collaboration with the Walter Cronkite School of Journalism and Mass Communication.

Nutrition courses provide the content for articles students write in their communication-related classes. This degree program provides students with a strong understanding of the scientific method, statistics, nutrition, health care and wellness that many traditional journalists lack. Faculty members teach students how to avoid sensationalism or sacrificing reality to get a better story.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-nutrition-communication?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The nutrition communication field offers employment opportunities with:
- community and health care agencies
- magazines
- newspapers
- private corporations (public relations firms)
- Web-based companies

With this degree, graduates can pursue careers as:

\section*{- authors}
- consultants in program or product development
- freelance writers for newspapers and magazines
- public relations representatives for food and beverage companies

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion

\section*{Public Health, BS (NHPBHBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS degree program in public health teaches students to develop and apply knowledge from multiple disciplines for the promotion and protection of the health of the human population. This degree is designed to appeal to students interested in populations of people (rather than an individual's health), preparing the students with skills in the five core areas of public health, namely:
- behavior science and health education
- biostatistics
- community-based education and intervention
environmental health
epidemiology and geographic information systems
- systems modeling

The required internship component of the program (PBH 444: Public Health Field Experience) allows students to gain practical experience in public health professions. Graduates typically work as public health practitioners who are competent to plan, implement, evaluate and monitor public health functions and activities in a variety of settings. They are prepared to fill various positions in public and community health as well as pursue further education through graduate study, including a Master in Public Health degree

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 251 - Calculus for Life Sciences
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
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Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program will qualify for entry-level positions in public health education, sanitation and environmental control, public health administration, health promotion and similar areas. Employment opportunities are available within national, state or local health departments and in community clinics, community or private advocacy groups, health education programs and nonprofit organizations.

Popular positions include:
- Community health workers --- liaise as front line public health worker (requires a deep understanding of a served community) with community officials and health services to improve the quality and cultural competence of health care service delivery to the community or to vulnerable groups such as children, veterans and the homeless
- Environmental specialists --- investigate potential environmental health and food risks, advise the community on how to reduce these risk, and implement public health projects
- Health educators --- teach people about behaviors that promote wellness, and develop and implement strategies to improve the health of individuals and communities
- Occupational health and safety specialists --- analyze many types of work environments and procedures, inspect workplaces for adherence to regulations regarding safety, health and the environment, and design programs to help prevent injuries and diseases in workers
- Program managers --- plan, direct and coordinate public health programs and initiatives within communities

\section*{Contact Information:}

Health Solutions, College of
School of Nutrition and Health Promotion
https://chs.asu.edu/programs/public-health
HLTHS 444AA
CHS@asu.edu
602-496-3300

\section*{Science of Health Care Delivery, BS (NHHCDBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The science of health care delivery is the study and design of systems, processes, leadership and management used to optimize health care delivery and health for all. The BS program in the science of health care delivery is designed to provide undergraduate students a foundation in person-centered health care, leadership and critical thinking, population health, informatics, systems engineering, and economics and policy. Graduates may pursue entry-level positions in health care administration, delivery or policy, or pursue further education through graduate programs.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 117-College Algebra
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program are academically prepared, well-rounded and adept in skills necessary for a number of exciting careers in health care. Job areas may include entry-level positions in health care administration, management, policy, system design, quality improvement and health services research. Opportunities may include jobs in hospital systems, physician practices and clinics, patient navigation, the pharmaceutical industry, insurance companies, government and regulatory agencies, and health research organizations. Students may pursue further education through graduate programs in areas such as health care delivery, administration and management.

\section*{Contact Information:}

Health Solutions, College of
School for the Science of Health Care Delivery
https://chs.asu.edu/programs/schools/school-science-health-care-delivery
HLTHS 444AA
CHS@asu.edu
602-496-3300

\section*{Speech and Hearing Science, BS (LASHSBS)}

Campus: Tempe, Online

\section*{Program Description:}

Students in the BS program in speech and hearing science study the normal aspects of the communication process. Emphasis is placed on the anatomy and physiology of the hearing mechanism; on speech, language and hearing science; and on the human communication system, including normal development of speech and language.

Graduates attain broad-based knowledge in the basic aspects of speech, language and hearing sciences, which prepares them for graduate study in audiology or speech-language pathology, or potential employment opportunities in related health and behavioral fields.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/speech-and-hearing-science-bs)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)

Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Employment opportunities for those with a bachelor's degree may include positions as:
- hearing aid or cochlear implant company representatives
- research assistants or associates in behavioral disciplines
- speech-language pathology assistants
- support personnel in rehabilitation or health facilities

Many graduates in speech and hearing sciences gain entrance into a graduate-level program in speech-language pathology or audiology. In both fields, a graduate degree is required for employment.

The undergraduate degree in speech and hearing science is also excellent preparation for those who wish to enter professional or graduate programs in fields such as:
- counseling
- education
- law
- medicine
- rehabilitation
- social work
- special education
- teaching for the deaf

Graduates in speech-language pathology and audiology can work with children or adults with communication disorders in a variety of settings, including:
- clinics
- hospitals
- private practice
- schools, all levels of preschool through secondary

\section*{Contact Information:}

Health Solutions, College of
Department of Speech and Hearing Science
https://chs.asu.edu/programs/schools/department-speech-and-hearing-science
COOR 2211
shsinfo@asu.edu
480-965-2374

\section*{Honors - Barrett, The Honors College}

\section*{Honors College, (9HOHONALL)}

Campus: Downtown Phoenix, Polytechnic, Tempe, West

\section*{Program Description:}

ABOUT THE COLLEGE

Barrett at ASU is internationally known as the model for supporting honors students from multiple disciplines. Barrett stands alone in dedicated resources, size and complexity, with a presence on four ASU campuses, a multimillion dollar endowment used to support honors students and their projects, and dedicated deans, faculty and staff that include seven administrators, 42 Faculty Fellows, 62 staff within the college and more than 1,800 faculty members who teach honors students university-wide each year. Barrett represents a powerful and unique combination of the special
care and attention an honors student should expect in academics and advising from an excellent residential liberal arts college, with the vast program choices and research mentoring resources of a vibrant Research I university. This honors community is known nationally for its recordbreaking number of scholars recognized by the National Merit Scholarship Corporation, National Hispanic Recognition Program, and Flinn Foundation and its numbers of nationally ranked recipients of Fulbright, Truman, Goldwater, Udall and Marshall fellowships.

In 2009, Barrett opened the nation's first comprehensive four-year residential honors college within a top-tier Research I university. The \(\$ 140\) million nine-acre honors campus community on the Tempe campus includes all the Barrett Faculty Fellows and administrative offices as well as classrooms and residence halls for 1,700 honors students, a signature dining hall, refectory and café, and several courtyards, student lounges, activity rooms, computer labs and a community center. The four-year residential campus in Tempe expanded to the 18-acre Vista Del Sol site across the street in 2013 and now accommodates 1,500 additional beds for upper-division honors students, the honors admissions and recruiting operations, and an entire campus of community space, offices and amenities that include a theater, pool, writing center, fitness, recreation and events facilities. Barrett students on the Polytechnic, West, and Downtown campuses also enjoy new facilities plus the benefits of living in growing honors communities that offer academic and cocurricular experiences and faculty and staff solely committed to enabling the best education possible for intellectually engaged students from Arizona, America and the world. Recently, Barrett expanded its global initiatives platform to include a Distinguished Global Leader Series, expanded summer abroad and term-time student abroad opportunities, international courses, internship and service abroad, and credit and noncredit global experience trips.

\section*{STUDENT OPPORTUNITIES}

Barrett students take advantage of opportunities that specifically enrich the honors experience. They receive national and international graduate scholarships. They engage in cutting-edge research with distinguished ASU faculty and benefit from special partnerships with the Mayo Clinic, the Biodesign Institute, and Intel. Students develop iPhone applications, build robots, design games and develop tools to improve health care, meet global energy needs, provide clean water or secure data and information privacy. There are numerous internship opportunities developed exclusively for Barrett students, and many of the nation's top companies, government agencies and non-profits specifically seek opportunities to recruit Barrett students.

Barrett students on all four campuses are leaders outside the classroom as well, and they cultivate service and leadership opportunities both in Barrett and throughout ASU, serving as officers in student organizations, mentors, tutors and change makers. Barrett offers a full range of studentdriven service, wellness, arts, cultural, social, entrepreneurial, professional development and sustainability programming. More recently, Barrett formed unique partnerships with Indigo and CalmCircle to provide students access to individualized personal development and well-being tools.

Popular events on the Tempe campus include Lunch with the Dean, Dinner with Faculty nights, and the Ladies Tea at the historic University Club. Barrett students have opportunities to attend Tony Award-winning Broadway musicals at Gammage Theater; explore the world's only Musical Instrument Museum; round up cattle on our cattle drive; attend bi-weekly yoga classes; learn healthy eating habits from a certified nutritionist; and share their musical talents at monthly Open Mic Nights in Barrett's very own Burning B Café.

Our Downtown Phoenix campus hosts an Urban Tour series with visits to Chase Field (home of the Arizona Diamondbacks) and the arts district at Roosevelt Row. Popular events Downtown include Donuts with the Dean, the Barrett Fashion Show, Career Development night, and the Barrett Red Carpet Formal.

The Polytechnic campus is known for cutting-edge labs, innovative faculty and students that are solving real-world problems with ground-breaking applied technology and solutions. The Ira A. Fulton Polytechnic Innovation Showcase is an impressive exhibition featuring many of these innovative student projects and interdisciplinary collaborations. The Barrett Polytechnic campus faculty and staff also host unique programming such as the Human Event Tribunals, kayaking excursions, sustainable Earth Week activities, healthy cooking demos, service projects and many more.

Our West campus Barrett faculty and staff host Culture Clash, an event that immerses students in different cultures to enjoy food, discussion, and film from each unique culture. West campus students also partake in traditions like the Barrett Ball and Bowling with the Deans.

Barrett students on all four campuses participate in travel abroad programs that enable them to enjoy small classes taught by Barrett faculty and experience different cultures while earning honors credits. Great American Cities is one of the most popular travel programs. Students visit cities like Boston, New York City, New Orleans, Anchorage and Miami and engage in a service project while enjoying the history, culture and great food of their destination. Other travel opportunities range from turn-around trips to Arizona monuments to overnight trips to Disneyland.

\section*{Additional Program Fee: Y}

Second Language Requirement: N

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Students must complete an application to Arizona State University before submitting a separate application to Barrett, The Honors College. Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett. Each candidate must file an application to the college separate from the ASU application, in accordance with the appropriate Barrett deadlines.

Applicants are evaluated on the basis of their academic records, their ranking within the graduating class, and their performances on the SAT or ACT. The college also values students who have special talents and aptitudes, exhibit exceptional leadership qualities, have had unusual life experiences or display significant community involvement.

The Barrett admission application and additional information about the college and its activities are available at https://barretthonors.asu.edu (https://barretthonors.asu.edu).

\section*{Transfer Agreements}

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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

Contact Information:
Honors - Barrett, The Honors College
Barrett, The Honors College
https://barretthonors.asu.edu/
SGHAL 101

480-965-2354

Integrative Sciences and Arts, College of

\section*{Agribusiness (Preveterinary Medicine), BS (AGAGBPBS)}

Campus: Polytechnic

\section*{Program Description:}

The BS in agribusiness teaches students the business of agricultural production, finance, marketing and distribution. Students explore global agribusiness issues such as international trade, food safety and sustainability through a technology-rich curriculum that focuses on real-world projects.

The agribusiness industry is increasingly competitive, sophisticated and global, driving demand for innovative leaders who understand the industry's unique challenges and practices. The programs offered through the highly respected College of Integrative Sciences and Arts prepare graduates for success in graduate school or a wide range of careers.

By adding a concentration in preveterinary medicine, students can build on coursework in chemistry and biology, to open opportunities for further study, including in veterinary medicine. Others may seek to apply their science knowledge in the human or veterinary pharmaceutical industries or in the food industry, with a focus on processing, production and food safety.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: \(Y\)
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Accounting for more than 50 percent of the global economy and employing 25 percent of Americans, agribusiness brings food from the farm to the global table. Possible career paths include positions in fields such as:
- finance and technical, with private agribusiness firms and governmental agencies
- management
- marketing
- veterinary medicine

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)}

Campus: Polytechnic

\section*{Program Description:}

The BS program with a concentration in applied biological sciences offers students solid foundations in biology and related sciences while allowing them to focus on an area of special interest. This concentration works well for students interested in pursuing research careers in biology or for students planning to enter graduate or professional programs related to human health including:
- biotechnology
- dentistry
- epidemiology
- medical technology
- medicine
- physical therapy
- physician's assistant programs
- public health

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Applied Biological Sciences, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
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Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
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\section*{Change of Major Requirements:}

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Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates may pursue entry-level careers in wildlife and restoration ecology, urban horticulture and secondary education. The general program in applied biological sciences prepares graduates to succeed in graduate and professional schools in disciplines such as:
- biological research
- dentistry
- environmental biotechnology
- human health
- medicine
- physical therapy
- secondary education

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS (TSABSRBS)}

Campus: Polytechnic

\section*{Program Description:}

The applied ecology and preveterinary medicine concentration is designed for students who want a strong scientific foundation in animal biology and health. It is especially appropriate for students planning to enter graduate or professional programs in veterinary medicine, animal health, or wildlife biology and ecology, or to start careers related to wildlife biology, ecology, restoration and rangeland management. Public and private career options are diverse and include small- and large-animal veterinary medicine, wildlife veterinary medicine, domestic and wild animal care, animal biology, and habitat research and secondary education.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Applied Biological Sciences, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates can pursue numerous entry-level careers in animal health and nutrition. The program in applied biological sciences also prepares graduates to succeed in graduate or professional schools in disciplines such as:
- animal biology
- animal health
- veterinary medicine

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Applied Biological Sciences (Natural Resource Ecology), BS (LSABSNRBS)}

Campus: Polytechnic

\section*{Program Description:}

The natural resource ecology program is for students who are interested in sustainably managing and restoring degraded plant, soil and wildlife resources. Graduates of this degree program have the academic background and hands-on experience that allow them to work in government agencies or environmental consulting firms or enter graduate programs in the area of natural resource ecology. Range conservationists, wildlife managers and other ecologists work in a variety of ecosystems to ensure sustainability of our natural resources for future generations.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
or MAT 251

Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Applied Biological Sciences, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities include employment in public agencies and private consulting firms, and includes possible positions such as:
- environmental consultant
- environmental research and education
- park manager
- range manager
- natural resource manager
- watershed manager
- wildlife biologist or ecologist

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Applied Biological Sciences (Preveterinary Medicine), BS (LSABSPMBS)}

Campus: Polytechnic

\section*{Program Description:}

The purpose of the concentration in preveterinary medicine in the BS program in applied biological sciences is to prepare undergraduate students to successfully complete the admission requirements for pursuing an advanced degree in veterinary medicine. The concentration curriculum emphasizes a solid foundation in biology, chemistry, physics, animal science and mathematics while offering specialized courses in veterinary medicine and opportunities for placement in internships in the field.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
or MAT 251

Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Applied Biological Sciences, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities for graduates of this program may include entry into professional programs in veterinary medicine and animal health including small- and large-animal veterinary medicine, wildlife veterinary medicine, domestic and wild animal care, education and animal biology research.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/
SANCA 233
cisa@asu.edu
602-727-1526

\section*{Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS) \\ Campus: Polytechnic}

\section*{Program Description:}

The secondary education in biology concentration is designed for students who want to teach biology at the high school level. In addition to the standard curriculum, students receive hands-on experience in laboratory instruction in this BS program in applied biological sciences. Our goal is to prepare teachers who excel in biology and the related sciences.

Students should also contact the Mary Lou Fulton Teachers College.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Applied Biological Sciences, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates can pursue numerous entry-level careers in biology. Specific career fields include secondary education, wildlife and restoration ecology, and urban horticulture. Employment opportunities exist in private and public sectors. Also, graduates of the general program in applied biological sciences are prepared to succeed in graduate or professional schools in disciplines such as:

\footnotetext{
- animal health
}
- dentistry
- ecology
- environmental biotechnology
- horticulture
- medicine
- physical therapy
- teaching
- wild life biology

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Applied Biological Sciences (Sustainable Horticulture), BS (TSABSUBS)}

\author{
Campus: Polytechnic
}

\section*{Program Description:}

The sustainable horticulture concentration is designed for students who want theory and practical experiences in the unique aspects of the culture of plants in an urban desert environment. Students acquire the skills to produce, design and care for ornamental and edible plantscapes using sustainable technologies.

Students are prepared for a range of horticulture careers in the private and public sectors, including in nursery plant production, landscape design and culture as well as local food production and organic urban farming.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: \(N\)
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Applied Biological Sciences, MS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements) International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Horticulture is a multibillion dollar national and international enterprise that offers a diverse and exciting choice of professional careers. Graduates can pursue numerous entry-level careers in horticulture. Employment opportunities exist in private and public sectors. The sustainable horticulture concentration prepares graduates to succeed in graduate or professional schools in disciplines such as:
- aftermarket care of plants
- biology of the plants in desert cities
- care and management of trees in cities
- creation of public, community and private gardens in arid climates
- design and installation of outdoor landscapes including landscape irrigation systems
- integrated pest management
- nursery production
- marketing
- organic farming
- plant identification
- plant propagation

The general program in sustainable horticulture also prepares graduates to succeed in roles such as:
- arboretum or botanical garden manager
- city horticulturist
- city park superintendent or manager
- horticultural consultant
- horticultural plant researcher or educator
- horticulture products and supplies
- horticulture supply sales representative
- integrated pest management specialist
- interior plant specialist
- irrigation system designer or consultant
- landscape designer or contractor
- landscape services company owner or operator
- nursery plant broker and plant salesperson
- nursery production owner or manager
- organic farmer or permaculturist
- plant propagator
- urban forester, tree specialist or arborist
urban plant ecologist

Career opportunities for urban horticulture graduates are not limited to any one geographic location; graduates can embark on careers throughout the United States, Canada, Mexico and overseas

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Applied Mathematics, BS (LSMATBS)}

Campus: Polytechnic

\section*{Program Description:}

The BS degree program in applied mathematics offered by the College of Integrative Sciences and Arts is a transdisciplinary program focused on developing flexible problem-solvers who can apply mathematical techniques and skills to a wide range of problems in the sciences, such as biology, social sciences, chemistry, physics and engineering. The coursework builds a foundation in mathematical modeling, data analysis and the interpretation of mathematical results in real-world settings. Students choose electives in the sciences, technology, engineering or other areas of interest to complement and provide context for their mathematical training.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students in this program are prepared to apply their analytic skills and technical knowledge to problems in a range of careers in industry, government, education or nonprofit organizations. They also pursue advanced degrees in the mathematical sciences (e.g., mathematics, statistics and applied mathematics such as in mathematical biology).

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
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480-727-1526

\section*{Applied Physics, BS (LSAPHYBS)}

Campus: Polytechnic

\section*{Program Description:}

The acceleration of advances at the frontier between physics, engineering and technology creates a need for interdisciplinary training and research that is not readily accommodated by traditional single-focus programs in physics. Bringing fundamental physics together with its immediate applications, the BS in applied physics will be attractive to students whose interests span new physical technologies in industry and engineering. The degree combines physics, computer science and applied mathematics to tackle complex real-life problems in physics, material sciences, engineering, chemistry and others.

The bachelor's degree program brings together the expertise of physics faculty, particularly in the modeling of physical systems which relies heavily on both modern numerical techniques and fundamental physics. The growing presence of Intel and other high-tech companies in the east valley and metropolitan Phoenix presents a unique opportunity to enhance the students' interaction with industry. Given the importance of hands-on experience, the degree program offers a series of unique courses allowing students interactive involvement in a project-based environment.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program apply their knowledge in high-performance and scientific computing, biophysics, condensed matter physics, chemistry, material science, electrodynamics and radar physics. This knowledge is vital for employment in chemical and pharmaceutical companies, environmental management agencies and firms specializing in scientific software. Graduates are prepared to continue their studies in graduate programs in physics and chemistry.

\section*{Contact Information:}

Integrative Sciences and Arts, College of College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Applied Quantitative Science, BS (LSAQSBS)}

Campus: Downtown Phoenix, Polytechnic, Tempe, West

Students learn to integrate and apply STEM-supported skills that are increasingly in demand in the 21st century.

Graduates of the applied quantitative science degree program acquire six habits of mind, mental activity that becomes increasingly automatic over progress through the curriculum and extending into career development. They are able to:
- apply and project quantitative reasoning to unfamiliar contexts
- communicate well within and without the expert domain
- critically and adaptably think about complex problems
- effectively search through and evaluate information
- experiment creatively and in an informed manner in search of new insights
- use sophisticated insight involving statistical inference and quantitative reasoning

This program is offered as a stand-alone degree on the Polytechnic campus. Students pursuing degrees on all four metropolitan campuses can add this degree as a concurrent degree.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Increasingly, employers are hiring people who know how to use quantitative information. By completing this degree program, students equip themselves with the skills and knowledge sought by today's employers. People who work in any business or industry need to use quantitative skills to solve problems.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
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https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Applied Science (Applied Leadership), BAS (LSALSBAS)}

Campus: Polytechnic, COCHS, CAC, The Gila Valley, Online

\section*{Program Description}

This BAS program prepares students for leadership positions in a wide variety of organizations and career fields. The concentration in applied leadership provides a valuable degree pathway for students with Associate of Applied Science degrees in fields such as fire science, environmental technology, machine shop technology and welding technology. Students learn leadership skills necessary to prepare them to become effective leaders in diverse environments --- applying those skills as team leaders, floor managers and shift captains.

The concentration in applied leadership focuses on the practice of innovative and effective leadership and helps students develop the skills and knowledge that leaders need to solve problems, communicate effectively, resolve conflicts, assess program effectiveness, lead projects and manage resources.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 117-College Algebra
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Transfer Admission Requirements:
Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. For students with an AAS from an Arizona community college, the AGEC is recommended but not required. This program is not available for freshmen.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/applied-leadership-bas)

\section*{Change of Major Requirements:}

Only students who have completed a Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates will possess skills and knowledge needed for leadership positions in a wide range of organizations, including business, government, nonprofit agencies and the service industry.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
USE 138
cisa@asu.edu
480-965-4464

\section*{Applied Science (Technical Communication), BAS (LSTECBAS)}

Campus: Polytechnic

\section*{Program Description:}

The BAS program with a concentration in technical communication is a flexible degree plan designed specifically for students who have earned an AAS degree from a regionally accredited institution. This major combines the technical experience gained in the student's associate degree program with a broader education of skills in management, leadership, critical thinking and communication.

Technical communication is applied workplace communication that makes technical information understandable and available to many audiences. In the technical communication concentration, students learn how to produce, design and manage information using both traditional and developing technologies.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

\section*{Change of Major Requirements:}

Only students who have completed a Associate of Applied Science degree are eligible to declare Bachelor of Applied Science majors at ASU. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

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Transfer from another state:

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Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Bureau of Labor Statistics estimates the need for writers and editors will increase by 25 percent during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for writers. Students in the program will prepare for careers as:
- advertising and promotions managers
- communications teachers (postsecondary)
- copy writers
- correspondence clerks
- court clerks
desktop publishers
- editors
- media and communication workers
- proofreaders and copy markers
- public relations specialists
- technical writers

\section*{Contact Information:}

Integrative Sciences and Arts, College of
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https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Communication, BA (LSCOMBA)}

Campus: Downtown Phoenix, Polytechnic

\section*{Program Description:}

The BA program in communication in the College of Integrative Sciences and Arts explores how communication processes create, maintain and transform identities, relationships, workplaces and communities. With a dual emphasis on urban communication and technology, it allows for a concerted focus on the rapidly changing modalities of communication occurring today. The program's mission statement is: Through the study and critique of human communication, we generate knowledge, creativity and understanding to facilitate healthy relationships and workplaces, civil and secure communities, and constructive intercultural interaction.

Students must complete a minimum of 12 upper-division credit hours of COM courses offered by the College of Integrative Sciences and Arts.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
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\section*{Change of Major Requirements:}

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Transfer from another state:

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Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of the communications program often attend other top-tier graduate schools, law schools and business schools, or find gainful employment in careers such as these:
- advertising and promotions managers
- clinical research coordinators
- communications teachers, postsecondary
- correspondence clerks
- customer service representatives
- distance learning coordinators
- editors
- education administrators, postsecondary
- labor relations specialists
- lawyers
- legal support workers, all other
- marketing managers
- media and communication workers, all other
- meeting, convention and event planners
- middle school teachers
- paralegals and legal assistants
- postsecondary teachers
- public address system and other announcers
- public relations specialists
- retail salespersons
- sales and related workers
- sales managers
- sales representatives
- secondary school teachers
- survey researchers
- training and development managers
- training and development specialists

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
AZCENT 380
cisa@asu.edu
602-496-0271

\section*{Counseling and Applied Psychological Science, BS (LSCAPSBS)}

Campus: Polytechnic

\section*{Program Description:}

Counseling and applied psychological science is a specialty in promoting psychological well-being. Counselors and applied psychologists provide the tools and resources necessary for individuals, families and organizations to cope with everyday problems. The BS program in counseling and applied psychological science provides foundational training in counseling theories, career and lifespan development, ethics and research methods. A unique aspect of the program is its attention to cultural diversity that includes age, gender, race, ethnicity, sexual orientation, religion and socioeconomic status.

Graduates may qualify for employment in community agencies, hospitals, rehabilitation centers and other behavioral healthcare delivery settings to support counselors and other mental health professionals. Graduates will be prepared for careers as behavioral health technicians, vocational rehabilitation assistants, human service workers, life-skills instructors and others. Graduates will not be license-eligible as professional counselors but will be well-prepared to enter advanced graduate degree programs in counseling and related fields.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A degree in counseling and applied psychological science prepares students for careers in various settings:
- government (sales and marketing, human resources management)
- mental health professions (youth counselor, substance abuse counselor, behavioral health technician)
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as counselor education, counseling or clinical psychology, social work and family studies.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{English, BA (LSENGBA)}

Campus: Polytechnic

\section*{Program Description:}

The BA program in English focuses on effective writing, critical thinking and reading of sophisticated literary and nonliterary texts. The faculty teach courses in English, American and world literature, from the Classical period to the present; creative and academic writing; and American and international film. Internships in online publishing are also offered through ASU's acclaimed online literary journal, Superstition Review: https://superstitionreview.asu.edu/ (https://superstitionreview.asu.edu/).

Students must complete a minimum of 12 upper-division credit hours of ENG courses offered by the College of Integrative Sciences and Arts.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree program in English prepares scholars and teachers for graduate or professional study and for careers in education, writing and other related fields. Career prospects for secondary language arts teachers in Arizona are particularly strong. More importantly, students in the program develop skills that employers value, such as analyzing ideas and problems, finding and evaluating information, communicating effectively and presenting clear and logical arguments. With these skills, graduates of the program can find jobs such as these:
- advertising and promotions managers
- broadcast news analysts
- copy writers
- court reporters
- editors

English language and literature teachers
- judicial law clerks
- lawyers
- legal support workers
- marketing managers
- media and communication workers
- middle school teachers
- paralegals and legal assistants
- poets, lyricists and creative writers
- postsecondary teachers
- public relations specialists
- sales managers
- sales representatives
- secondary school teachers
- teachers and instructors
- technical writers
- writers and authors

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Exploratory Health and Life Sciences, (UCHSCIEXPL)}

\author{
Campus: Downtown Phoenix, Polytechnic, Tempe, Lake Havasu, Online
}

\section*{Program Description:}

The exploratory health and life sciences track offers students an opportunity to explore a variety of majors related to the health and life science professions. ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting General Studies requirements that all ASU graduates must fulfill as well as affording students some time to explore a variety of academic courses that may lead to a potential major interest.

All College of Integrative Sciences and Arts exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)
UNI 250 Choosing a Major (1)
UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, students should refer to https://cisa.asu.edu/exp-health-life-sciences-majors (https://cisa.asu.edu/exp-health-life-sciences-majors).

Additional Program Fee: N
Second Language Requirement: N

\section*{First Required Math Course:}

Math courses needed will be determined by potential major choice.

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

\section*{Change of Major Requirements:}

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all College of Integrative Sciences and Arts majors are available at https://cisa.asu.edu/advising (https://cisa.asu.edu/advising). Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for additional ASU information regarding changing the major.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are specific to the ultimate major of choice.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/
SCD 138
exploratory@asu.edu
480-965-4464

\title{
Exploratory Humanities, Fine Arts and Design, (UCHUFAEXPL)
}

Campus: Downtown Phoenix, Polytechnic, Tempe, Lake Havasu, Online

\section*{Program Description:}

The exploratory humanities, fine arts and design track offers students an opportunity to explore a variety of majors related to the humanities, fine arts and design professions. ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting general studies requirements that all ASU graduates must fulfill as well as affording them some time to explore a variety of academic courses that may lead to a potential major interest.

All College of Integrative Sciences and Arts exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)
UNI 250 Choosing a Major (1)
UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, students should reference https://cisa.asu.edu/exp-art-design-humanitiesmajors (https://cisa.asu.edu/exp-art-design-humanities-majors).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course:
Math courses needed will be determined by potential major choice.

\section*{Program Math Intensity: Genera}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

\section*{Change of Major Requirements:}

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all CISA majors are available at https://cisa.asu.edu/advising (https://cisa.asu.edu/advising). Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for additional ASU information regarding changing their major.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)

Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are specific to the ultimate major of choice.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/
SCD 138
exploratory@asu.edu
480-965-4464

\title{
Exploratory Math, Physical Sciences, Engineering and Technology, (UCEMTPEXPL)
}

Campus: Downtown Phoenix, Polytechnic, Tempe, Online

\section*{Program Description:}

The exploratory mathematics, physical sciences, engineering and technology track offers students an opportunity to explore a variety of majors related to the mathematics, physical sciences, engineering and technology professions. ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits them to begin meeting general studies requirements that all ASU graduates must fulfill as well as take some time to explore a variety of academic courses that may lead to a potential major interest.

All College of Integrative Sciences and Arts exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)
UNI 250 Choosing a Major (1)
UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, students should reference https://cisa.asu.edu/exp-engineering-math-technology-physical-sciences-majors (https://cisa.asu.edu/exp-engineering-math-technology-physical-sciences-majors).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 117-College Algebra
Math courses needed will be determined by potential major choice.
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all CISA majors are available at https://cisa.asu.edu/advising (https://cisa.asu.edu/advising). Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for additional ASU information regarding changing their major.

\section*{Transfer Agreements:}

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\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are specific to the ultimate major of choice.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/
SCD 138
exploratory@asu.edu
480-965-4464
Exploratory Social and Behavioral Sciences, (UCSBSEXPL)
Campus: Downtown Phoenix, Polytechnic, Tempe, Lake Havasu, Online

\section*{Program Description:}

The exploratory social and behavioral sciences track offers students an opportunity to explore a variety of majors related to the social and behavioral sciences such as psychology, history, education, journalism and business-related careers. ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill as well as take some time to explore a variety of
academic courses that may lead to a potential major interest.

All College of Integrative Sciences and Arts exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)
UNI 250 Choosing a Major (1)
UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, students should reference https://cisa.asu.edu/exp-social-behavioral-sciences-majors (https://cisa.asu.edu/exp-social-behavioral-sciences-majors)

\section*{Additional Program Fee: N}

Second Language Requirement: N

\section*{First Required Math Course:}

Math courses needed will be determined by potential major choice.

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

\section*{Change of Major Requirements:}

Students who have completed fewer than 45 college credit hours may change to exploratory status.

Details for declaring all CISA majors are available at https://cisa.asu.edu/advising (https://cisa.asu.edu/advising). Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for additional ASU information regarding changing their major.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)

Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are specific to the ultimate major of choice.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/
SCD 138
exploratory@asu.edu
480-965-4464

\section*{General Studies, BA (LSGNSBGS)}

Campus: Downtown Phoenix, Polytechnic, Lake Havasu

\section*{Program Description:}

The BA degree program in general studies offers students a flexible, innovative path to degree completion. Graduates of the program are informed and effective members of society who are well-prepared for a changing global marketplace with its diverse cultures.

The theme of this degree is society and the individual. Students explore the tensions between individualism and collectivism, the public and private selves and the interplay of culture and identity.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Coconino Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students who have majored in general studies have the option of working in almost any field that requires effective interaction with others, from sales to social services and organizational management to government administration. Graduates are equipped with transferable skills highly desired by many employers; therefore, a wide array of job choices are available. The bachelor's degree creates great flexibility in career choice because of the versatility within the program.

Graduates may choose to enter one of the occupations for which their cluster prepares them, including:
- administrative services manager
- curator
- medical and health service
- middle school teacher
- postsecondary teacher
- property, real estate and community association managers
- public relations specialist
- purchasing manager
- real estate sales agent
- sales manager
- writer and author

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
AZCENT 380
cisa@asu.edu
602-496-0271

\section*{History, BA (LSHISBA)}

Campus: Polytechnic

\section*{Program Description:}

The BA program in history focuses on American history, with coursework in European, Latin American and global historical perspectives. Faculty expertise includes the history of technology and science, biography, war and its effect on society, public history, aviation, environmental history, and
related fields. Students are trained in methods of historical research and study the development of human society from social, cultural and political perspectives.

Students must complete a minimum of 12 upper-division credit hours of HST courses offered by the College of Integrative Sciences and Arts.

Students who would like to combine this degree with teaching certification should contact the Mary Lou Fulton Teachers College.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree program in history prepares scholars and teachers for graduate and professional studies and for careers in education, writing and other related fields. Career prospects for secondary history and social studies teachers in Arizona are particularly strong. Students in the program develop skills in:
- analyzing ideas and problems
- communicating effectively
- finding and evaluating information
- presenting clear and logical arguments

With these skills, graduates of this program may find jobs as:
- archivists
- broadcast news analysts
- court reporters
- curators
- historians
- history teachers
- judicial law clerks
- lawyers
- legal support workers
- media and communication workers
- middle school teachers
- museum technicians and conservators
- paralegals and legal assistants
- postsecondary teachers
- reporters and correspondents
- secondary school teachers
- teachers and instructors
- writers and authors

The degree also prepares students to continue in graduate and professional programs.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526
History of Science, Ideas and Innovation, BA (LSHSIIBA)
Campus: Polytechnic

\section*{Program Description:}

Leveraging the Polytechnic campus as a hub of innovation, the BA program in the history of science, ideas and innovation provides students with a grounding in the social and intellectual issues central to understanding the role of science, technology and ideas from past to present. This transdisciplinary degree program encourages students to combine coursework in the natural and applied sciences with historical and philosophical approaches to social knowledge. Students majoring or minoring in the history of science, ideas and innovation program graduate with a foundation for advanced work in the humanities, the sciences or in transdisciplinary fields bridging written and technical work.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of the history of science, ideas and innovation program are prepared for successful careers in a wide range of fields, including science and technical writing, consulting, museum studies, the digital humanities and other fields that benefit from transdisciplinary exchange. Graduates are also prepared to enter advanced programs in history and science as well as law and medical schools.

\section*{Contact Information:}

Integrative Sciences and Arts, College of College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu

\section*{Integrative Social Science, BS (LSISSBS)}

Campus: Polytechnic

\section*{Program Description:}

The BS in integrative social science is a degree program designed to cross-educate students in the disciplines of the social sciences to meet the complex issues that confront the human society in the 21st century. The emphasis of the program lies in bridging traditional disciplinary boundaries to immerse students in the myriad of theories and skills available across disciplines, allowing for true fusion of ideas and methodologies which otherwise may elude them with traditional, single-discipline social science programs. Thus, graduates of the program are prepared with theory and research skill sets that allow them to draw from the best of the multiple disciplines of the social sciences as they confront a technically sophisticated 21st century world.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Because of their mastery of the multiple methodologies of the social sciences, graduates of the program have many more professional opportunities available to them than their peers with single-discipline training. Among others, graduates of the program work as:
- conflict resolution experts
- counselors or case workers
- data analysts
- environmental assessment experts
- facilitators
- organization managers (private, public and nonprofit)
- policy analysts
- program evaluators
- public relations officers
- public safety and criminal justice professionals
- sustainability experts

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
CISAPoly@asu.edu
480-727-1526
Interdisciplinary Studies, BA (LSBISBIS)
Campus: Downtown Phoenix, Polytechnic, Tempe, Online

\section*{Program Description:}

The ASU interdisciplinary studies degree, one of the top five in the country, offers students the freedom to select two areas of study, referred to as concentration areas, from a rich menu of more than 140 possibilities (concentration check sheets may be seen at https://cisa.asu.edu/interdisciplinary-studies-concentrations (https://cisa.asu.edu/interdisciplinary-studies-concentrations)). The core curriculum provides students the intellectual tools to integrate their concentration areas, engage in transdisciplinary problem-solving and prepare for careers and graduate programs that increasingly cross disciplinary boundaries.

An interdisciplinary studies student could choose to integrate concentrations like music and business, psychology and social welfare, communication and justice studies, public administration and ethics, digital culture and computer gaming, or many other unique combinations.

Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary studies students take an active role in designing their educational plans and defining their career goals. The degree emphasizes written communication, versatility, self-assessment and critical thinking --- essential skills for today's dynamic world.

Those interested in the online program for interdisciplinary studies may visit the ASU Online website for more information.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The program is available to all students in good academic standing who have achieved sophomore, junior or senior standing. Students should complete the online pre-advising workshop (found in student resources at https://cisa.asu.edu/bisworkshop) prior to meeting with an advisor to declare their major as interdisciplinary studies.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-interdisciplinary-studies?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

There are no additional requirements for current ASU students to change majors into this program; however, students interested in the interdisciplinary studies major are highly encouraged to complete the preadvising workshop at https://cisa.asu.edu/bisworkshop (https://cisa.asu.edu/bisworkshop) prior to scheduling an appointment. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change majors

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

Because of the flexibility of the interdisciplinary studies program, graduates take many exciting career paths after leaving ASU. While some students complete graduate or professional degrees, others immediately enter the job market. For example, one graduate combined business and
communication and now owns a small business; another integrated sociology and family studies to further a career in law enforcement; another studied philosophy and economics to prepare for law school; another combined biology and chemistry in preparation to pursue a master of pharmacy degree; yet another studied Spanish and religious studies and now works as an employee trainer for a major company.

Possible career opportunities include:
- archivist
- chief executive
- climate change analyst
- compliance manager
- computer network support specialist
curator
- editor
- environmental restoration planner
- general and operations manager
- regulatory affairs manager
- reporters and correspondent
- Web developer
- wholesale and retail buyer (except farm products)

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
USE 138
bis@asu.edu
480-965-4464
Interdisciplinary Studies (Organizational Studies), BA (LSORGBIS)
Campus: Online

\section*{Program Description:}

Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary students develop the intellectual tools needed to build bridges between academic disciplines and apply their skills, innovations and knowledge in various academic and practical settings.

The BA degree in organizational studies is intended for students seeking an interdisciplinary degree and who possess a desire to learn about the dynamics of contemporary organizations. Organizational studies students gain valuable knowledge of management styles, communication strategies, technologies, diversity, ethics and politics. All coursework for organizational studies is offered online, giving students freedom and flexibility in completing their requirements.

Those interested in the online program for interdisciplinary studies (organizational studies) may visit the ASU Online website for more information.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements) International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-interdisciplinary-studies-organizational-studies?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

\section*{Transfer from an Arizona Community College:}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

By engaging in a breadth of knowledge and experience, and by acquiring the skills to integrate various domains of knowledge, students prepare themselves for a range of professions, including:
- human resources specialists
- industrial organizational psychologists
- investment fund managers
- loss prevention managers
- management analysts
- regulatory affairs managers
- supply chain managers
- urban and regional planners

Many organizational studies students already have a chosen career field, yet desire a degree that is versatile, flexible, meaningful and that affords the opportunity for continued career development and advancement. Because of the flexibility of the program, organizational studies graduates take many different career paths after finishing their degree. Recent graduates have found opportunities in many exciting fields, such as:

\footnotetext{
business
- education
- health care administration
- nonprofit administration
- tourism
}

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
USE 138
bis@asu.edu
480-965-4464

\section*{Liberal Studies, BA (LABLSBLS)}

Campus: Polytechnic, Online

\section*{Program Description:}

The BA program in liberal studies helps to address student interests in a broad array of disciplines and subject matter. The program aims to give students the grounding to use knowledge as more successful thinkers, decision-makers and leaders. The liberal studies core classes are designed to: promote critical and creative thinking as students learn how to draw upon diverse disciplinary perspectives and modes of inquiry, help advance communication skills, and support professional career development.

Students majoring in liberal studies have become part of an international movement in higher education. This movement has proven empowering to people who are given the flexibility to explore multiple interests or approach a particular interest from various perspectives. Students are not alone in their chosen path. In fact, this program is just one of hundreds of similar programs offered in colleges and universities across the nation.

The program shares with all other liberal arts and science degrees the goal of developing analytical and communicative abilities. The program offers breadth of learning in an online setting. The liberal studies degree is transdisciplinary, providing students a thematic approach to education.

Those interested in the online program for liberal studies may visit the ASU Online website for more information.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Transfer Admission Requirements:
ASU has a pathway that allows students to complete the ASU Transfer Admission Guarantee in liberal studies, a prescribed sequence of courses that meets the requirements for the community college's Associate of Arts degree and the lower-division requirements for the ASU Bachelor of Arts in Liberal Studies. Upon completion of the TAG, students will complete the remaining requirements for ASU's bachelor's program. Visit https://transfer.asu.edu/ (https://transfer.asu.edu/) for more information about ASU degrees offered at local community colleges.

This program may also accept transfer credit in lieu of a TAG agreement. Please contact the department for details.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-liberal-studies?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Liberal studies graduates are prepared to enter the workforce or pursue graduate or professional studies.

Liberal studies courses prepare students for careers as:
chief executives
- data warehousing specialists
- document management specialists
- elementary, middle and high school principals
- emergency medical technicians and paramedics
- general and operations managers
human resources specialists
-industrial ecologists
- lawyers
paralegals and legal assistants
police detectives
- postsecondary teachers
technical writers
- Web administrators

\section*{Contact Information:}

Integrative Sciences and Arts, College of College of Integrative Sciences and Arts https://cisa.asu.edu USE 138
cisaonline@asu.edu
480-965-4464

\section*{Program Description:}

Students interested in completing the BA program in the Gila Valley or Pinal County are encouraged to complete a Transfer Admission Guarantee program. Students should see admission requirements below.

The BA program in organizational leadership uses transdisciplinary methods that prepare students to become leaders in organizations. Students develop the skills and knowledge that leaders need to solve problems, communicate effectively, assess programs, manage resources and use emerging technologies in organizations. Students are prepared for a range of positions in the public and private sectors, including in government, health care administration, nonprofit agencies, in businesses and the service industry.

Arizona State University has established partnerships with Central Arizona College and Eastern Arizona College that allows students to complete their associate degree at CAC or EAC and then pursue this bachelor's degree through classes delivered on these campuses. More information about ASU degrees offered at these locations is available at https://transfer.asu.edu (https://transfer.asu.edu/). This program is also offered at the ASU Colleges in Lake Havasu City; the major map is shown at https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LSORGLBA/null/CALHC/2018
(https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LSORGLBA/null/CALHC/2018).

Those students interested in the organizational leadership online program may visit the ASU Online website for more information.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Online: MAT 142 or MAT 117 or higher. Lake Havasu: MAT 117 or higher. Students simply need to fulfill the General Studies math requirement.

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Transfer Admission Requirements:
The Gila Valley and Yuma Students:

ASU has a pathway that allows students to complete the ASU Transfer Admission Guarantee in organizational leadership, a prescribed sequence of courses that meets the requirements for the community college's Associate of Arts degree and the lower-division requirements for the ASU Bachelor of Arts in organizational leadership. Upon completion of the TAG, students will complete the remaining requirements for ASU's bachelor's program. Visit https://transfer.asu.edu/ (https://transfer.asu.edu/) for more information about ASU degrees offered at local community colleges.

This program may also accept transfer credit in lieu of a TAG agreement. Please contact the department for details.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-organizational-leadership?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, lllinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates possess skills and knowledge needed for leadership positions in a wide range of organizations --- such as business, government, health care administration, nonprofit agencies and the service industry. Students who complete the program on the ground in Lake Havasu City choose from three concentrations, with the following job titles based on information from other universities with similar degrees:
- organizational behavior: knowledge manager, director of employee services, director of training, diversity specialist, performance evaluation specialist, community relations manager
- organizational leadership: director of youth development, sales manager, executive assistant, housing assistant, supervisor, service manager, deputy sheriff trainee, sales executive, knowledge manager, talent manager, organization development consultant
- project management: project manager, account manager, facilities manager, senior video producer

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
USE 138
cisaonline@asu.edu
480-965-4464

\section*{Political Science, BS (LSPOLBS)}

Campus: Polytechnic

\section*{Program Description:}

The BS program in political science gives students the background and skills to gain employment in a relevant profession, to continue their studies in graduate programs in political science or in the social sciences, or to pursue a particular discipline at a professional school. The program helps students understand the assumptions underlying political science and develop the research skills to analyze complex socio-political issues. Those objectives are accomplished by offering a flexible program and by providing students with both individual and group experiences, working with faculty on concrete intellectual and policy issues.

\section*{Additional Program Fee: N}

Second Language Requirement: N

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program serves as good preparation for staff, manager or policy analyst positions in local, state and federal government. This degree is recognized by employers as qualification for many careers in business (for-profit and nonprofit) and industry. Opportunities may include positions that involve binational, crossborder positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border.

Many students use the degree as a gateway to law school or as a basis for further study in such applied fields as:
- community development
- political science
- public administration
- public policy
- social science
urban affairs
- urban and regional planning

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Psychology, BA (LSPGSBA)}

\author{
Campus: Polytechnic
}

\section*{Program Description:}

Psychology is the scientific study of mind and behavior. This program emphasizes critical thinking, reasoning, and empirical research and writing. It adds practical experience through internships, service-learning and faculty-supervised research. The BA program provides a broad foundation in psychology and affords students the flexibility to choose from a variety of courses outside the major. Because of this, the Bachelor of Arts curriculum requires fewer lab science and math courses than the Bachelor of Science program. The Bachelor of Arts program in psychology prepares students for employment or preparation for graduate study in applied psychology and related fields (e.g., social work, counseling and management).

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Transfer from a Maricopa Community College in Arizona:

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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Bureau of Labor Statistics shows that the job outlook (2014-24) for psychologists is \(19 \%\) (which is "much faster than average").

A degree in psychology prepares students for a career in various settings:
- community centers
- consulting firms
- government (sales and marketing, human resources, research, administration, management)
- hospitals
- industries and organizations
- mental health agencies
- private companies
- schools and colleges (school psychologists, educators, professors)
- social services (high school psychology teacher, occupational analyst)
- substance abuse treatment clinics

The degree program also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:
- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- health
- legal
- physiological
- social

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Psychology, BS (LSPGSBS)}

Campus: Polytechnic

\section*{Program Description:}

Psychology is the scientific study of mind and behavior. This program emphasizes critical thinking, reasoning, and quantitative research and writing. It adds practical experience through internships, service-learning and faculty-supervised research. The BS program has a greater science focus than the BA, and thus includes two more required lab sciences as well as precalculus. The Bachelor of Science program prepares students for
employment or prepares them for graduate study in quantitative, experimental and biological psychology and related fields (e.g., medicine and behavioral neuroscience).

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Bureau of Labor Statistics shows that the job outlook (2014-24) for psychologists is \(19 \%\) (which is "much faster than average").

A degree in psychology prepares students for a career in various settings:
- community centers
- consulting firms
- government (sales and marketing, human resources management)
- industries and organizations
- hospitals
- mental health professions (youth counselor, substance abuse counselor, behavioral health technician)
- private companies
- schools and colleges (school psychologists, educators, professors)
- social services (high school psychology teacher, occupational analyst)
- substance abuse treatment clinics

The degree program also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:
- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- physiological
- social

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Science, Technology and Society, BS (ECSTSBS)}

Campus: Polytechnic

\section*{Program Description:}

Questions surrounding the interaction of science, technology and human systems are highly transdisciplinary and cultural, requiring analytical techniques that transcend space and time. Thus, the BS program in science, technology and society stresses the need to step outside both disciplinary and cultural boxes in pursuit of knowledge. Accordingly, the program is heavy on cultural and information literacy and critical thinking. The primary goal is to produce generalists who understand the intricate interrelationship of science, technology and society and who are armed with the technical skills to change their environment. The following three tracks are available:
- general science, technology and society
- global technology and development
- science, technology and governance

Students may use the general science, technology and society track to design targeted programs of their choosing, including premed and prelaw.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

The bachelor's degree program in science, technology and society prepares professionals and scholars for careers in the 21st century world focusing primarily, but not exclusively, on the interaction of science and technology with human systems. The program focuses on the development of the technical skills required to audit social, political and policy impacts of technological advancement and the competence required to navigate questions surrounding the future trajectory of science and technology. Graduates are prepared for graduate or professional study or professional careers as:
- commercial and industrial designers
- compliance managers
- environmental restoration planners
- public relations specialists
- recycling coordinators
- regulatory affairs specialists
- sales representatives (wholesale, manufacturing, technical, scientific products)
- sustainability specialists
- training and development specialists
- transportation planners
- urban and regional planners

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/program-contacts
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Technical Communication, BS (LSTECBS)}

\author{
Campus: Polytechnic, Online
}

\section*{Program Description:}

Technical communication is applied workplace communication that makes technical or specialized information understandable and available to many different users. It involves using a range of technologies to craft an ever-expanding array of print and digital information products: websites, social media sites, help files, training materials, grants and proposals, and information graphics, to name just a few. Technical communicators work in many professional roles, such as information developers, grant writers, Web interface designers or usability experts. What all of these roles have in common is the focus on creating accessible and appealing communication that has a practical purpose and is intended for a particular audience. In the technical communication program, students learn how to write, design, produce and manage print and digital information using traditional and developing technologies.

The BS degree program in technical communication in the College of Integrative Sciences and Arts is the only undergraduate technical communication degree program available in the state of Arizona.

Those interested in the technical communication online program may visit the ASU Online website for more information.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: \(N\)
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-technical-communication?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Bureau of Labor Statistics estimates that job growth in technical writing and related areas will continue to be significantly higher than average during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for writers. Students in the program prepare for careers as:
- communications teachers (postsecondary)
- computer user support specialists
- copy writers
- desktop publishers
- editors
- media and communication workers
- proofreaders and copy markers
- public relations specialists
- technical writers
- Web developers

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu/program-contacts
SANCA 233
cisaonline@asu.edu
480-727-1526
Technical Communication (User Experience), BS (LSTECUBS)
Campus: Polytechnic, Online

\section*{Program Description:}

The user experience concentration is designed to provide technical communication majors with an interdisciplinary foundation in communication, research and design that is central to the rapidly growing area of user experience. The UX concentration provides students with a conceptual understanding and applied skills in methods of gathering user information, analyzing data and communicating research findings to stakeholders.

Although its disciplinary home and primary focus is technical communication, the concentration includes courses from human systems engineering and graphic information technology in order to provide students with the multiple perspectives and complementary skills needed for UX work.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/technical-communication-user-experience-bs)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Technical communicators with expertise in user experience have numerous career opportunities in growth areas such as UX research, usercentered design, information design, interaction design, information architecture, content strategy and usability analysis.

\section*{Contact Information:}

Integrative Sciences and Arts, College of
College of Integrative Sciences and Arts
https://cisa.asu.edu
SANCA 233
cisa@asu.edu
480-727-1526

\section*{Interdisciplinary Arts \& Sciences, New College of}

\section*{American Studies, BA (ASAMSBA)}

\section*{Campus:}

\section*{Program Description:}

The School of Humanities, Arts and Cultural Studies offers a BA in American studies in the New College of Interdisciplinary Arts and Sciences at ASU's West campus.

This program --- the only undergraduate American studies degree in the state --- is a place for rigorous and adventurous conversations about American culture, politics and history, exploring knowledge beyond disciplinary boundaries, bringing differing perspectives and understandings into dialogue with one another, and generating a unique level of intellectual rigor and excitement.

To this end, the goals of the American studies program are to create a community of learning through classroom instruction, internship and study abroad experiences, program field trips, and activities and lectures; encourage knowledge and innovation in coursework as well as through the capstone thesis project; and help students synthesize and critically evaluate knowledge from diverse fields about American history and culture.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are well equipped to embark on a wide variety of careers in government, education, business, museum and foundation work, journalism and other forms of professional writing, and in other areas where these capabilities are highly valued and sought. The program also serves as excellent preparation for law school and for graduate programs in fields such as:
- American studies
- art history
- English
- history
- journalism

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/social-and-cultural-analysis-american-studies
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Applied Computing, BS (ASACOBS)}

Campus: West

\section*{Program Description:}

Students in the BS program in applied computing learn a computer science foundation and then explore the established knowledge and emerging developments in the high-demand areas of database systems, computer networks and cybersecurity. The program also provides the opportunity to investigate interdisciplinary connections, including the combination of computing with its real-world application in other disciplines through concurrent degrees and minors. Hands-on class projects, internships, industry partnerships and authentic and impactful research conducted with faculty provide numerous opportunities for students to apply their knowledge before they graduate. Students use their programming expertise, systems knowledge and critical thinking skills to effectively problem-solve and articulate their experience through presentations, scientific posters and professional papers. Students' depth of knowledge and experience in databases, networks and cybersecurity provide graduates with a strong foundation in systems with established interconnections among these fields, preparing them for graduate study and careers including cybersecurity
analysts, database architects and network engineers.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students are prepared to integrate technology with human activities, respond to global changes, solve problems, and create and manage the technological production of information and creative products. Core information technology industries are among the fastest growing sectors in the U.S. economy. Graduates find employment opportunities with corporations and businesses, nonprofit and government agencies, digital arts media industries and in the academic world.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/applied-computing-degree
FAB N100
mnsadvising@asu.edu
602-543-3000

\section*{Applied Computing (Cybersecurity), BS (ASACOCBS)}

Campus: West

\section*{Program Description:}

The cybersecurity concentration is designed to prepare students for a continuing and progressive career in cybersecurity. Our innovative cybersecurity concentration builds upon the BS program in applied computing. Students acquire the technical knowledge to secure networks and applications; an understanding of cybersecurity governance models and risk-management fundamentals; methods of communicating complex risk issues; and solutions for the challenges of implementing cybersecurity controls within various organizational models. Leadership, critical thinking and effective communication also are emphasized.

Students gain experience with real-world cybersecurity organizations, protecting digital assets against compromise or theft. Graduates of the applied computing program with a concentration in cybersecurity are well prepared for graduate study as well as entry-level employment with businesses, nonprofits, government agencies and academic institutions.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors.
Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This is an ideal degree for students interested in careers in cybersecurity. Opportunities are available both in the private sector and within governmental agencies (e.g., the FBI, Homeland Security, the National Security Agency and the Department of Defense). Cybersecurity-focused positions include:
- chief information security officer
- cyber risk analyst
- information security engineer
- network security engineer
- security operations center analyst

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/applied-computing-cybersecurity
FAB N100
MNSadvising@asu.edu
602-543-3000

\section*{Applied Mathematics, BS (ASMATBS)}

Campus: West

\section*{Program Description:}

The School of Mathematical and Natural Sciences offers a BS degree in applied mathematics in the New College of Interdisciplinary Arts and Sciences at ASU's West campus.

Applied mathematics is an interdisciplinary program that provides a broad and rigorous foundation in applied mathematics. It includes a foundation in computing and statistics as well as both theoretical and applied mathematics.

The program emphasizes quantitative problem-solving and critical thinking through courses that expose students to a variety of mathematical theories, techniques and applications currently used by analysts and researchers in government, industry and nonprofit organizations.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared for entry-level positions in industry, finance, government, nonprofit organizations and education. They also may pursue advanced degrees in the mathematical sciences (e.g., mathematics, statistics and computer science), and their career interests would suggest the appropriate degree tracks and choice of courses, such as:
- applied mathematical networks
- financial mathematics
- general applied mathematics
- mathematical biology
- operations research

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/applied-mathematics-degree
FAB N100
mnsadvising@asu.edu
602-543-3000

\section*{Applied Science, BAS (ASBASBAS)}

Campus: West

\section*{Program Description}

The School of Humanities, Arts and Cultural Studies offers a BAS degree in the New College of Interdisciplinary Arts and Sciences at ASU's West campus.

This program, for students who have already earned an AAS degree, allows students to apply the technical knowledge gained from their associate degree and significantly broaden their education.

The program offers unique areas of concentration tailored to students' individual interests and career goals. These include but are not limited to business, communication, criminal justice, teaching, environmental issues, languages and cultures, and social sciences.

Students who have earned an Associate of Applied Science from an accredited institution may transfer 60 credit hours toward the Bachelor of Applied Science degree. Students who have earned an Associate of Applied Science degree from a regionally accredited Arizona community college may be eligible to transfer up to 75 credits toward the Bachelor of Applied Science degree. The program also includes a capstone project.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue)

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree. This program is not available for freshmen.

\section*{Change of Major Requirements:}

A current ASU student must hold an Associate of Applied Science degree in order to change the major to this program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Because the program allows students to tailor their concentration, graduates are prepared for a wide range of career opportunities as well as graduate programs in law, business, social sciences and education.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of School of Humanities, Arts, and Cultural Studies https://newcollege.asu.edu/applied-science-degree
FAB N100
harcsadvising@asu.edu
602-543-3000
Biology, BA (ASLSCBA)

\section*{Campus: West}

The BA program in biology, with an emphasis in the natural sciences, examines the interdisciplinary nature of the life and physical sciences, focusing on the ways in which these disciplines intersect. The program's organization and flexibility allows students to simultaneously study another subject outside their major, and students are encouraged to add a minor or concurrent degree in another subject area.

Students gain hands-on experience as they work both in small groups and one-on-one with individual faculty members. Students may participate in cutting-edge scientific research by assisting in faculty research laboratories or even publish in top journals and present their results at regional and national scientific meetings.

Graduates are prepared for entry-level jobs in research, nonprofit, education and outreach organizations or for other roles in the life sciences and for related graduate programs.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Social Justice and Human Rights, MA
Social Technologies, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students have a wide variety of options, including pursuing graduate studies or seeking careers in areas that include:
- environmental management and conservation
- health professions
- laboratory research
- primary and secondary school teaching
- science advisement to businesses and government
- science writing

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/biology-degree-ba
FAB N100
MNSadvising@asu.edu
602-543-3000

\section*{Biology, BS (ASLSCBS)}

Campus: West, Lake Havasu

\section*{Program Description:}

The BS program in biology, with an emphasis in the natural sciences, examines these disciplines through experiential learning, and all of the program's core courses include laboratories. By learning in an integrative environment that emphasizes the connectedness of the life sciences, students gain a better understanding of larger scientific concepts and can view these concepts from multiple perspectives.

Students are encouraged to conduct independent research under the mentorship of faculty members or during internships. Some even publish in top journals and present their results at scientific meetings.

Graduates are prepared for employment with state and federal agencies or private organizations such as biomedical laboratories and environmental consultancies, or to enter graduate or doctoral programs in human or veterinary medicine, pharmacy, dentistry or scientific research.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue)

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This program prepares graduates for a wide range of careers by offering course and laboratory work and quantitative research opportunities that develop fundamental problem-solving, critical thinking, writing and communication skills. Graduates may enter careers in:
- business
- laboratory or field research
- medicine
- publishing
- scientific journalism
- teaching

Undergraduate laboratory experience, both on and off campus, enhances employability as a laboratory technician or research associate in university and government research laboratories; in hospital and diagnostic laboratories; and in pharmaceutical, biotechnology, agricultural and food
processing companies.

Students engaged in field studies are prepared for entry-level positions in private companies and state and federal agencies (e.g., wildlife biologist, environmental consultant or conservation officer).

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/biology-degree-science
FAB N100
mnsadvising@asu.edu
602-543-3000
Biology (Environmental Science), BS (ASLSCEBS)
Campus: West, Lake Havasu

\section*{Program Description:}

The BS program in biology with a concentration in environmental science emphasizes experiential learning with courses that include required laboratories. By learning in an integrative environment that underscores the connectedness of these disciplines, students gain a better understanding of larger scientific concepts, and they view these concepts from multiple perspectives. Students pursuing this concentration take a set of courses which focus more on environmental science than those pursuing a Bachelor of Science in biology.

While the emphasis is on science, students learn to approach environmental science from an interdisciplinary perspective, in part by studying environmental ethics and policy.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program
(http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

According to the 2010-2011 Occupational Outlook Handbook (U.S. Bureau of Labor Statistics, 2010), employment of environmental scientists is expected to grow by 28 percent between 2008 and 2018. This is far more rapid growth than the average rate of growth for all occupations. The handbook indicates most rapid growth will occur in the private sector, primarily in private environmental consulting firms.

This concentration allows students to tailor their courses of study to their interests in the science of the environment to help prepare them for careers in the public and private sectors (e.g., in environmental consulting, environmental remediation, natural resource management, etc.) as well as for entry into graduate programs in environmental science and related disciplines.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/biology-environmental-science
FAB N100
mnsadvising@asu.edu
602-543-3000
Biology (Forensics), BS (ASLSCFBS)

\section*{Campus: West}

\section*{Program Description:}

The forensics concentration of the BS program in biology emphasizes the study of scientific techniques used to solve crimes. Students pursuing the forensics concentration take a more forensics-relevant set of courses than those students pursuing the BS in biology.

Much of the required coursework is completed in chemistry or biology lab science courses to ensure that graduates of this program are competitive as they apply to graduate degree programs, pursue relevant careers and enter the workforce.

Graduates are prepared to pursue careers in forensics laboratories and in the research and development of new criminal forensic technologies. Completion of the bachelor's degree in biology also ensures graduates are prepared for graduate, professional or medical degree programs.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N

First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program pursue careers in forensics laboratories and in the research and development of new technologies in forensics. Graduates are particularly competitive for positions in forensics laboratories because the concentration focuses heavily on chemistry and biology laboratory coursework (areas that administrators and current employees in crime labs have reported are critically important). For example, as reliance upon DNA fingerprinting technologies increases, demand for forensic scientists trained in the requisite amounts of molecular biology will increase. The concentration also places focus on oral communication skills (e.g., through coursework in argumentation, COM 222 Argumentation (3) or COM 422 Advanced Argumentation (3)), which will prepare graduates for the multifaceted aspects of their careers in forensics (e.g., providing articulate and compelling expert testimony in criminal trials). Graduates of this program are also well positioned to enter graduate programs in forensic science.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of

\section*{Biology (Pharmacology/Toxicology), BS (ASLSCPBS)}

Campus: West

\section*{Program Description:}

The pharmacology and toxicology concentration of the BS program in biology provides an emphasis in the biochemical, molecular and physiological components of drug and body interactions. The degree program emphasizes experiential learning and all required core courses have laboratories. By learning in an integrative environment that emphasizes the connectedness of the disciplines, students gain a better understanding of larger scientific concepts, and they can view these concepts from multiple perspectives. To have a thorough understanding of the interactions of chemicals in the biological system, students study both biology and chemistry and become familiar with chemical interactions at physiological, molecular and cellular levels.Undergraduates have the opportunity to conduct independent research under the mentorship of faculty members or in internships outside the school.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)

Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree program in biology with a concentration in pharmacology and toxicology prepares students for occupations such as:
- environmental toxicologist
- laboratory researcher
- pharmacist
- physician
- physician's assistant
- veterinarian

Graduates may work in governmental agencies or private companies in areas such as:
- clinical trials
- product safety evaluation
- regulatory affairs
- teaching

Graduates are also prepared for entry-level employment in the growing field of environmental toxicology as well as for graduate or professional programs in pharmacology and toxicology.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/biology-pharmacologytoxicology
FAB N100
mnsadvising@asu.edu
602-543-3000

\section*{Biotechnology and Bioenterprise, BS (ASBITEBS)}

Campus: West

\section*{Program Description:}

The BS program in biotechnology and bioenterprise provides students with essential transdisciplinary and practical experience in biotechnology research. Students acquire the associated business and entrepreneurship skills needed to develop and market biotechnological innovations and solutions to problems facing the biotechnology and health sciences communities in Arizona, the nation and beyond. The program emphasizes coursework in the biological, biomolecular and biotechnological sciences, which are key components that underpin biotechnology. Students are able to tailor the degree to their specific interests and aspirations through focus areas in biotechnology, bioenterpreneurship and biostatistics. The program is unique due to its focus on blending biotechnology and entrepreneurship.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Second Language Requirement: N}

\section*{First Required Math Course:}

First math varies depending on the focus area chosen.

\section*{Program Math Intensity: Substantial}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program are prepared for such careers as:

\footnotetext{
- bioentrepreneur
- cell biologist
- clinical trials manager
}
- educator
- laboratory researcher
- microbiologist
- patent agent
- portfolio manager
- project manager
- regulatory affairs manager

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/biotechnology-and-bioenterprise
FAB N100
mnsadvising@asu.edu
602-543-3000

\section*{Communication, BA (ASCOMMBA)}

Campus: West, Lake Havasu

\section*{Program Description:}

The communication program offered at ASU's West campus prepares students to do far more than give a speech or two in front of their peers. It provides an extensive understanding of the practical, theoretical and professional nuances of today's field of communication, designed to equip students with the skills needed to convey complex ideas clearly and effectively through both the spoken and written word.

Utilizing the nationally recognized Communication Assessment Learning Lab, this program trains and prepares students for in-depth study into what contributes to (and detracts from) effective human communication, recognizing that the art of communication is far more nuanced than simple speaking and writing prowess.

With focuses like conflict resolution, social media and technology, global communication, communication philosophy, and risk and crisis communication, this communication program leads the way to an ever-increasing landscape of employment choices. Career options for those who complete this program are vast.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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\section*{Change of Major Requirements:}
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

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Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Bachelor of Arts in communication is a broadly-based program that trains individuals to speak and write competently, manage relationships well, problem-solve effectively and understand the role and function of communication in public forums, organizational settings, relationa exchanges and intercultural situations. Because these skills are crucial to many professions, communication graduates work in a variety of fields, including:
- advertising
- customer service and customer relations
- education
- fundraising
- health and human services
- human resources
- international service
- legal professions
- lobbying
- management
marketing
- media and public relations
- mediation
- ministry
- public administration
- public advocacy
- public office
- research
- sales
- social media design and implementation
- speech writing
- training and development

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/communication-degree-ba
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{Communication, BS (ASCOMMBS)}

Campus: West, Lake Havasu

\section*{Program Description:}

The communication program offered at ASU's West campus prepares students to do far more than give a speech or two in front of their peers. It provides an extensive understanding of the practical, theoretical and professional nuances of today's field of communication, designed to equip students with the skills needed to convey complex ideas clearly and effectively through both the spoken and written word.

Utilizing the nationally-recognized Communication Assessment Learning Lab, this program trains and prepares students for in-depth study into what contributes to (and detracts from) effective human communication, recognizing that the art of communication is far more nuanced than simple speaking and writing prowess.

With focuses like conflict resolution, social media and technology, global communication, communication philosophy and risk and crisis communication, this communication program leads the way to an ever-increasing landscape of employment choices. Career options for those who complete this program are vast.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program are trained in effective communication skills, are able to write and speak well, and can convey complex ideas effectively. They are prepared for employment in communication-intensive fields and for further graduate study. Graduates are prepared to perform various forms of data analysis, communication assessment and technical reporting, and they are prepared for graduate study in the social sciences, law, humanities and management. Graduates work in communications-intensive fields such as:
- advertising
- community education
- corporate communications
- crisis management
- customer service and customer relations
- health communication
- human resources management
- media and public relations
- new media
- training and development

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of School of Social and Behavioral Sciences https://newcollege.asu.edu/communication-degree
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{Conflict Resolution, BA (ASCNRBA)}

\author{
Campus: West
}

\section*{Program Description:}

The BA program in conflict resolution introduces students to theories and practices that will enable them to understand, address and transform conflict, while dealing with challenges both at the micro and the macro levels in such contexts as professional, cross-cultural, individual and collective interactions. Having engaged with subject areas in political science, communication, ethics, peace studies, history and others, graduates of the program will be ready to pursue further education or careers in business, mediation, advocacy, education, government and law.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

Students graduating from the program will have great career prospects in business, education, non-governmental agencies, health care advocacy, public and government administration, mediation and advocacy.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/conflict-resolution-degree
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{English, BA (ASENGBA)}

Campus: West

\section*{Program Description:}

Students in the BA in English learn how to write clearly and effectively and to think critically and construct well-supported arguments.

The program stresses the formal aesthetic qualities of texts and the issues of class, gender, race and ethnicity relating to literary representation. Students gain a familiarity with standard literary-critical terminology and an awareness of various theoretical approaches to literary study. Students also become aware of uses of the English language in the U.S. and around the world.

The program provides students with a balanced overview of major literature in the English language and an awareness of the role of literary discourse in broader social and historical contexts.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Upon completion, students are prepared for graduate study and professional training in law, business, teaching and public policy, and for careers in marketing, public relations, government, diplomacy and community work.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/english-degree
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{English (Secondary Education), BA (ASENGSEBA)}

\section*{Campus: West}

\section*{Program Description:}

This program provides rigorous content in literature, composition, linguistics and secondary teaching, extensively preparing students to meet the needs of all student populations, including attention to levels of student academic performance and cultural and linguistic diversity.

The demand for teachers in Arizona is high. Students complete their teaching internship in school districts in the greater Phoenix area or for one of the 22 Native American nations in Arizona.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program

\author{
Additional Program Fee: N \\ Second Language Requirement: N \\ First Required Math Course: MAT 142-College Mathematics \\ Program Math Intensity: Genera
}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of the program earn Arizona Department of Education certification for middle and high school English language arts and are prepared for careers as secondary school teachers.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/history-secondary-education-degree
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Environmental Science, BA (ASENVBA)}

Campus: West, Lake Havasu

\section*{Program Description:}

The study of society's impact on the earth's ecosystems and resources has become increasingly important over the past 20 years. The BA program in environmental science at ASU's West campus is dedicated to finding solutions to the challenges posed by climate change.

As technology evolves at a dizzying pace and the global population grows each year, the measurement of the human race's impact on our environment has created many new jobs and career paths.

Environmental basics are required, ensuring that students are well-versed in biological study including molecular, organismal and ecosystem biology. This is backed by a strong foundation in chemistry, statistics and geographic information systems.

Because environmental science is a versatile, multifaceted field, ASU supplements this degree with a focus on the management and communication skills necessary in various environmentally-specific careers.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Social Justice and Human Rights, MA
Social Technologies, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements) International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities for graduates of this program include employment in environmental policy, management or leadership positions in federal and state agencies, local municipality planning offices, private consulting firms, and nongovernmental and nonprofit organizations. Graduates of the program are also well qualified to pursue graduate studies in relevant areas of the natural sciences.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/environmental-science
FAB N100
mnsadvising@asu.edu
602-543-3000

\section*{Environmental Science, BS (ASENVBS)}

Campus: West, Lake Havasu

\section*{Program Description:}

The study of society's impact on the earth's ecosystems and resources has become increasingly important during the past 20 years. The BS program in environmental science at ASU's West campus is dedicated to finding solutions to the challenges posed by climate change.

As technology evolves at a dizzying pace and the global population grows each year, the measurement of the human race's impact on our environment has created many new jobs and career paths.

Environmental basics are required, ensuring that students are well-versed in biological study including molecular, organismal and ecosystem biology. This is backed by a strong foundation in chemistry, statistics and geographic information systems.

Because environmental science is a versatile, multi-faceted field, ASU supplements this degree with a focus on the management and communication skills necessary in various environmentally-specific careers.
states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities for graduates of this program include employment in federal and state agencies (such as the U.S. Bureau of Land Management, U.S. Environmental Protection Agency, U.S. Forest Service, etc.), private consulting firms and nongovernmental and nonprofit
organizations. Graduates of the program are also well-qualified to pursue graduate studies in relevant areas of the natural sciences.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/environmental-science-degree
FAB N100
mnsadvising@asu.edu
602-543-3000

\section*{Ethnicity, Race and First Nations Studies, BA (ASETHBA)}

\section*{Campus:}

\section*{Program Description:}

The first such program in Arizona, this program provides an integrated, comparative and comprehensive approach to the study of diversity among ethnic and racial groups and First Nations. A highlight of the program is the internship, which fosters direct links between the university and community-based settings. Both theoretical and applied perspectives are embedded in a curriculum addressing how ethnicity, race and First Nations shape identities, literacies, public policies and communities in local and transnational U.S. contexts. Students identify a career area enabling them to integrate their knowledge with specific coursework tied to their career and advanced educational goals.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

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Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Rapid socioeconomic change, changing demographics, increased global competition and rapid cultural diversification have created an increasing need for workers and citizens knowledgeable about diverse ethnic and racial groups. Graduates of this program are well-positioned to enter the workforce and function effectively and critically as informed citizens in a diverse and complex society.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/social-and-cultural-analysis-ethnicity-race-and-indigenous-studies
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Exploratory Applied Computing, Mathematics and Technology, (ASACMTEXPL) Campus: West}

\section*{Program Description:}

The exploratory applied computing, mathematics and technology track provides students with the opportunity to explore a variety of majors related to applied computing, mathematics and technology professions.

Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide an opportunity to discover the options available at ASU and students are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 117-College Algebra
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about
how to change a major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are specific to the ultimate major of choice.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/exploratory-applied-computing-mathematics-and-technology
FAB N100
mnsadvising@asu.edu
602-543-3000

\section*{Exploratory Health and Life Sciences, (ASHSCIEXPL)}

Campus: West

\section*{Program Description:}

The exploratory health and life sciences track provides students with the academic opportunities and resources needed to explore a variety of majors related to health and life science professions.

Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide an opportunity to discover the options available at ASU and students are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

\section*{Additional Program Fee: \(N\)}

Second Language Requirement: N
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are specific to the ultimate major of choice.

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/exploratory-health-and-life-sciences
FAB N100
mnsadvising@asu.edu
602-543-3000

\section*{Exploratory Humanities, Fine Arts and Design, (ASHUFAEXPL)}

Campus: West

\section*{Program Description:}

The exploratory humanities, fine arts and design track provides students with the academic opportunities to explore a variety of majors related to humanities, fine arts and design professions.

Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide an opportunity to discover the options available at ASU and students are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting general atudies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

Additional Program Fee: N
Second Language Requirement: N
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 credit hours while they are an exploratory student. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Transfer from another state:

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Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are specific to the ultimate major of choice.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/exploratory-humanities-fine-arts-and-design
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Exploratory Social and Behavioral Sciences, (ASSBSEXPL)}

Campus: West

\section*{Program Description:}

The exploratory social and behavioral sciences track provides students with the academic opportunities and resources needed to explore a variety of majors related to careers in the social sciences.

Many students are not ready to choose a specific academic program of study when first entering the university. Exploratory programs provide an opportunity to discover the options available at ASU and students are provided the time, resources and guidance needed to assess their skills, interests and aptitudes. Declaring exploratory status permits students to begin meeting general studies requirements that all ASU graduates must fulfill. It also allows students to take some time to explore a variety of academic courses that may lead to a potential major interest.

\section*{Additional Program Fee: N}

\section*{Second Language Requirement: N}

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

Students with fewer than 45 credit hours may declare this exploratory program. Students may not accrue more than 45 hours while they are an exploratory student. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are specific to the ultimate major of choice.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/exploratory-social-and-behavioral-sciences
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{Forensic Science, BS (ASFOREBS)}

Campus: West

\section*{Program Description:}

Forensic science is the study and application of scientific methods to matters of law. The BS program in forensic science emphasizes laboratory coursework in chemistry and biology as both areas provide essential experience with techniques commonly used in crime labs. Rigorous coursework in the natural and mathematical sciences is required to ensure graduates are competitive in the workforce. The program is enhanced by a focus on oral communication skills that help prepare graduates for the multifaceted, transdisciplinary aspects of careers in forensic science, such as providing articulate expert witness testimony.

If a student is interested in pursuing a career as a forensic DNA analyst, nine cumulative hours of coursework in biochemistry, molecular biology and genetics are required, and coursework in population genetics is desirable. Students should note that the addition of these courses to the academic program may mean the student would have more than 120 credit hours. Employers may require documentation for completed coursework, such as an official course syllabus.

Forensic science students may apply for and participate in internships sponsored by metropolitan Phoenix area crime labs or other crime labs around the country. Internships are competitive, and the application process takes time. Generally, fall semester internships require application in the spring semester prior, and spring or summer semester internships require application by the start of the preceding fall semester. Internship positions are unpaid and require concurrent enrollment in FOR 484 Internship. Also, students must have a faculty mentor and abide by all internship standards of the school and those of the organization providing the internship. Students may also participate in cutting-edge research with a faculty mentor either as a volunteer in the faculty member's lab or by registering for FOR 499 Individualized Instruction. For more information, students

Job applicants and students seeking a volunteer or internship position within a crime lab are required to undergo an extensive background check that includes a polygraph exam, fingerprinting and drug testing. Actions that can disqualify an applicant include recent or past illicit drug use (including marijuana), felony convictions and drunk driving convictions.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Scientific and technological advances in the field of forensic science, as well as continually increasing caseloads in law enforcement, are projected to increase the number of forensic science technicians needed over the next decade. The U.S. Bureau of Labor Statistics estimates that between 2016 and 2026, employment of forensic science technicians will increase 17 percent, an average increase much greater than most occupations.

Forensic science program graduates are prepared to enter the workforce with crime labs and private forensic science labs at the local, state and federal levels. Graduates also are prepared for graduate programs in forensic science, law school, medical school and related fields.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/forensics-science-degree
FAB N100
mnsadvising@asu.edu
602-543-3000
History, BA (ASHISBA)
Campus: West

\section*{Program Description:}

The BA degree program in history provides a strong foundation for understanding the forces of change that shape society, the marketplace and people's lives. The program introduces students to a broad span of history that covers the ancient world through the modern period and extends from Europe to Latin America and the United States. In addition to learning about the origins and development of various peoples, ideas and institutions of the past, students engage in the practice of history by learning to conduct research, analyze historical evidence and formulate arguments using historiographical perspectives and methodological approaches.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program are prepared for graduate study, for professional degree programs, and for careers in which critical thinking, research and writing skills are highly valued, careers such as journalism, editing, law and civil service.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/history-studies-degree
FAB N100
harcsadvising@asu.edu
602-543-3000
History (Secondary Education), BA (ASHISSEBA)
Campus: West

\section*{Program Description:}

For students considering a career in education, the flexible BA program in history with a concentration in secondary education fully prepares students for teaching and certification while providing all the disciplinary knowledge of a traditional history degree. Students understand history in all its breadth and depth while developing strong critical reading, writing and research skills as well as skills in oral presentation.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: Yes

First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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\section*{Transfer from a Maricopa Community College in Arizona:}

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates possess the strong, practical teaching tools necessary to successfully teach middle or high school students. With the ability to find and evaluate evidence, form arguments and present analysis, graduates are well-suited for careers in a wide range of industries and fields of work, and they have a solid foundation for graduate work in teaching, law, business and many other fields.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of School of Humanities, Arts, and Cultural Studies

\title{
Interdisciplinary Arts and Performance, BA (ASIAPBA) \\ Campus: West
}

\section*{Program Description:}

Students in the BA program in interdisciplinary arts and performance engage with faculty in collaborative investigation of many disciplines preparing for the complex and changing world through current approaches to artistic and aesthetic research. Students in this major engage in practical and theoretical studies of visual, sonic, performance, game and interactive arts to become versatile artists. With skill sets preparing them for professional and entrepreneurial opportunities, they can tap into evolving marketplaces and expanding fields of arts research and practice.

Students who major in interdisciplinary arts and performance receive extensive preparation for careers as artists, performers and creative professionals, and they develop critical backgrounds useful for teaching and scholarship

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Since 1992, graduates of this nationally recognized program are prepared for advanced study in the performing arts, visual arts, interactive arts or arts-related professions in digital design, film editing, set and lighting design, theatre, sound arts, toy development, board game development and video game development.

Interdisciplinary arts and performance students have gone on to careers such as visual artist, art administrator, art therapist, digital designer, film and video editor, arts writer and critic, composer, theatre artist, illustrator, set and lighting designer, performing artist, sound artist, recording artist and studio professional, videographer, game tester, board game developer and video game designer.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/interdisciplinary-arts-and-performance-degree
FAB N100
harcsadvising@asu.edu
602-543-3000
Interdisciplinary Arts and Sciences, BA (ASIASBA)
Campus: West

\section*{Program Description:}

Today's employment landscape is evolving into one that prizes expertise in an increasing number of specialized fields. The BA program in interdisciplinary arts and sciences at ASU's West campus allows students to build a flexible, customized degree that is unique to their specific career goals. For example, a business degree with an emphasis in communications can lead to employment opportunities that aren't as easily accessed by a traditional business degree alone.

By providing the opportunity to combine disciplines, the college equips students with the specialized education they need to reach their individual career goals.

This degree culminates in a capstone internship experience that provides real-world perspective, skills and connections, creating versatile graduates and attractive job applicants in the corporate world.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:
California(https://transfer.asu.edu/california) Illinois(https://transfer.asu.edu/illinois)

\section*{Career Opportunities:}

Emphasizing interdisciplinary study combined with a specific area of concentration (e.g., business, communication studies, English, gerontology, history, psychology or preprofessional studies), students tailor their programs to meet individualized career goals. The capstone internship program prepares students to make the transition smoothly to graduate school or postbaccalaureate employment in:
- business settings
- community settings
- cultural settings
- educational settings
- social sciences and human service settings

Students planning graduate or professional degrees in law, business, helping professions or in traditional disciplines benefit from the flexibility of this program for a broad range of future academic and career pursuits

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/interdisciplinary-arts-and-sciences-degree
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Latin American Studies, BA (ASLASBA)}

Campus: West

\section*{Program Description:}

Unlike programs that are predominantly based on social science and taught in English, the BA program in Latin American studies fosters language and cultural knowledge beyond print literature and is unique in its inclusion of the arts and sciences.

The program allows students to immerse themselves in content courses while honing their Spanish language skills, and it provides a broad foundation for students to study Latin America, the United States and the Iberian Peninsula.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue)

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared for careers in dual-language environments, including the arts and arts management, business, nonprofits, politics, education, and public health and policy. Graduates are also prepared for further study in graduate or professional schools.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/latin-american-studies-degree
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Pharmacology and Toxicology, BS (ASPTXBS)}

\section*{Campus: West}

\section*{Program Description:}

The human body comes into contact with countless chemicals and drugs during the course of a lifetime. The study of how these foreign materials react with our bodies has been an intense and enduring venture that has yielded astounding breakthroughs and contributions to the medical community.
to have a thorough understanding of the interactions of chemicals in the biological system, students in the program study both biology and chemistry, and become familiar with chemical interactions at physiological, molecular and cellular levels.

With a heavy focus on experiential learning within the laboratory, graduates of the pharmacology and toxicology degree program are better prepared to obtain careers ranging from clinical research coordinators to veterinarians to even governmental roles.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue)

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag) Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The pharmacology and toxicology degree program prepares students for a number of career paths including:
- laboratory researcher
- pharmacist
- physician
- physician's assistant
- veterinarian

Graduates also may work at governmental agencies or at private companies in areas such as:
- Arizona Department of Environmental Quality
- city government
- clinical trials
- Department of Transportation
- Environmental Protection Agency
- product safety evaluation
- regulatory affairs
- teaching

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/pharmacology-and-toxicology
FAB N100
mnsadvising@asu.edu
602-543-3000
Philosophy, Religion and Society, BA (ASRELBA)
Campus: West

\section*{Program Description}

The School of Humanities, Arts and Cultural Studies offers a BA in philosophy, religion and society in the New College of Interdisciplinary Arts and Sciences at ASU's West campus.

The program comprises historical, theoretical and practical perspectives on philosophy, religion and social ethics and emphasizes social and political concerns by putting the studies of philosophy and religion into action. This interdisciplinary degree offers three areas of concentration: applied ethics, continental philosophy and religious studies.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared for graduate study or employment in the fields explored through their required internships, including business, criminal justice, education, government, human resources, law enforcement, law, media, medicine, religious organizations and social services.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/philosophy-religion-and-society-degree
FAB N100
harcsadvising@asu.edu

\section*{Political Science, BA (ASPOLBA)}

Campus: West, Lake Havasu

\section*{Program Description:}

Political science is the study of governmental practices, politics and theories. Coursework in the BA program in political science covers American institutions, international relations, political theory and world affairs.

The program helps students gain a basic understanding of the assumptions underlying political science and helps them develop the necessary research skills for analyzing complex sociopolitical issues. In addition to coursework, students learn through internships, service-learning and research opportunities.

Graduates of this program are prepared for work as analysts or aides in local, state or national legislative offices, among other roles. Many graduates go on to law school or graduate programs in political science, social science, urban planning or public administration.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Transfer from an Arizona Community College:
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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The political science curriculum provides a solid background for employment in a relevant profession and prepares students for graduate work in:
- political science
- professional schools
- social science disciplines
- urban planning

The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal government. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry.

Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border. Many students use the degree as a gateway to law school or as basis for further study in such applied fields as:

\section*{- community development}
- public administration
- public policy
- urban affairs and urban and regional planning

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/political-science-degree-ba
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{Political Science, BS (ASPOLBS)}

Campus: West

\section*{Program Description:}

The School of Social and Behavioral Sciences offers a BS in political science in the New College of Interdisciplinary Arts and Sciences at ASU's West campus.

Political science is the study of governmental practices, politics and theories. Coursework in the political science program covers American institutions, international relations, political theory and world affairs. The program helps students gain a basic understanding of the assumptions underlying political science and develop the necessary research skills for analyzing complex sociopolitical issues. In addition to coursework, students learn through internships, service-learning and research opportunities. The BS degree differs from the BA degree in that it requires an additional statistics course and a methods course.

Graduates of this program are prepared for work as analysts or aides in local, state or national legislative offices, among other roles. Many graduates go on to law school or graduate programs in political science, social science, urban planning or public administration.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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\section*{Transfer from an Arizona Community College:}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)

Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The political science curriculum provides a solid background for employment in a relevant profession and prepares students for graduate work in:
- political science
- professional schools
- social science disciplines
- urban planning

The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal governments. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry. Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local governments or local community groups on both sides of the border. Many students use the degree as a gateway to law school or basis for further study in such applied fields as:
- community development
- public administration
- public policy
- urban affairs
- urban and regional planning

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/political-science-degree-bs
FAB N100
sbsadvising@asu.edu
602-543-3000
Psychology, BA (ASPGSBA)
Campus: West, Lake Havasu, Online

\section*{Program Description:}

Psychology is the scientific study of human behavior. This diverse field includes mental health and counseling as well as child development, neuroscience and brain function, memory and decision-making, behavior analysis, statistics and more. It also crosses over into other disciplines such as medicine, law, business and economics.

This program --- which emphasizes critical thinking and reasoning, quantitative research methods and writing --- goes beyond the classroom, adding practical experiences through internships, service-learning and faculty-supervised research. (Some opportunities are not available to students enrolled in the degree offered through ASU Online.)

Graduates are prepared for graduate programs in psychology or other areas as well as professional employment.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 119 - Finite Mathematics
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-psychology?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)

\section*{Career Opportunities:}

A degree in psychology prepares students for a career in:
- government (sales and marketing, human resources management)
- industry
- mental health professions (youth counselor, substance abuse counselor)
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:
- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- health
- legal
- physiological
social

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/psychology-degree-ba
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{Psychology, BS (ASPGSBS)}

Campus: West, Lake Havasu, Online

\section*{Program Description:}

Psychology is the scientific study of human behavior. This diverse field includes mental health and counseling as well as child development, neuroscience and brain function, memory and decision-making, behavior analysis, statistics and crosses into other disciplines such as medicine, law, business, and economics.

Emphasizing critical thinking and reasoning, and quantitative research methods and writing, this program goes beyond the classroom with practical experiences through internships, service-learning and faculty-supervised research. (Some opportunities are not available to students enrolled in the degree offered through ASU Online.)

The BS degree differs from the BA in that it requires two additional lab courses and advanced statistical training, providing a greater depth of knowledge in the biological and neuroscientific aspects of psychology that are increasingly important for bother research and clinical practice. The advanced statistical training further prepares students for careers and graduate training involving psychological research, clinical research and legal policy research.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 170 -Precalculus
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:

Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-sciencepsychology)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students are prepared for careers in:
- government (sales and marketing, human resources management)
- mental health professions (youth counselor, substance abuse counselor)
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate program fields in psychology:
- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- physiological
- social

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/psychology-degree
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{Psychology (Forensic Psychology), BA (ASPGSFPBA)}

Campus: West, Online

\section*{Program Description:}

Forensic psychology is the application of psychology to the law. The concentration in forensic psychology within the BA program in psychology combines general training in psychology with specialized coursework in criminal law, criminal behavior, the diagnosis and treatment of mental disorders, and legal decision-making.

When courts are faced with cases in which a psychology-related question arises, they may turn to psychologists and ask for help with the case. For example, psychologists might assist the court in understanding a criminal's mental state at the time of a crime or whether a particular jury might have been biased against a defendant based on his or her race. This is the realm of forensic psychology.

This program teaches students about the various roles for psychologists in the legal system and helps them discover which roles they might like to pursue through careers in mental health, criminal justice or through graduate training.

The Bachelor of Science degree differs from the Bachelor of Arts degree in that it requires two additional lab science courses.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program
(http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 119 - Finite Mathematics
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-psychology-forensic-psychology)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Bachelor of Arts program in psychology with a concentration in forensic psychology prepares students for careers in the criminal justice and mental health fields. Many careers in psychology require graduate training, and this program is also designed to prepare students for master's degree and doctoral programs in legal, clinical and forensic psychology.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of School of Social and Behavioral Sciences
https://newcollege.asu.edu/psychology-forensic-psychology-0
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{Psychology (Forensic Psychology), BS (ASPGSFPBS)}

Campus: West, Online

\section*{Program Description:}

Forensic psychology is the application of psychology to the law. The concentration in forensic psychology within the BS program in psychology combines general training in psychology with specialized coursework in criminal law, criminal behavior, the diagnosis and treatment of mental

When courts are faced with cases in which a psychology-related question arises, they may turn to psychologists and ask for help with the case. For example, psychologists might assist the court in understanding a criminal's mental state at the time of a crime or whether a particular jury might have been biased against a defendant based on his or her race. This is the realm of forensic psychology.

This program teaches students about the various roles for psychologists in the legal system and helps them discover which roles they might like to pursue through careers in mental health, criminal justice or through graduate training.

The Bachelor of Science degree differs from the Bachelor of Arts degree in that it requires two additional lab courses and advanced statistical training. The BS degree program provides a greater depth of knowledge in the biological and neuroscientific aspects of psychology that are becoming increasingly important both for research and clinical forensic practice. In addition, the advanced statistical training further prepares students for careers and graduate training involving psychological research, clinical research and legal policy research.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program
(http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-psychology-forensic-psychology)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)

Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Bachelor of Science degree program in psychology with a concentration in forensic psychology prepares students for careers in the criminal justice and mental health fields. Many careers in psychology require graduate training, and this program also is designed to prepare students for master's degree and doctoral programs in legal, clinical and forensic psychology.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/psychology-forensic-psychology
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{Social Justice and Human Rights, BA (ASJHRBA)}

Campus: West

\section*{Program Description:}

The BA program in social justice and human rights spans the social sciences and the humanities to prepare students to meet the challenges of twenty-first century issues of social justice and protection of human rights in local, national, international and global contexts. The degree program introduces students to principles and practices of everyday humanitarianism, multimedia advocacy, and theories and practices of social justice and human rights.

Students in the program have the opportunity to select from three uniquely theoretical and applied areas of focus including:
- advocacy and social change
- critical trauma studies and everyday humanitarianism
- materialism, intersectionality and inequality

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students with this degree are employable in a variety of settings, including refugee resettlement agencies; agencies and shelters supporting survivors of domestic abuse; shelters for migrants, especially for unaccompanied minors; disaster relief agencies; organizations assisting survivors of sex trafficking and human labor trafficking; agencies assisting veterans and others suffering from post-traumatic stress. Career opportunities include:
- charitable fundraiser (e.g., Nina M. Pulliam Charitable Trust staff)
- ethnic studies professor
- grant writer
- humanitarian aid worker (e.g., UNHCR aid worker, Oxfam aid worker)
- international governmental organization professional (e.g., United Nations staff)
- justice studies professor
- nongovernmental organization professional (e.g., International Rescue Committee professional)
- nonprofit agency manager (e.g., Special Olympics Arizona/international manager)
- women and gender studies professor

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of

\section*{Social and Behavioral Sciences, BA (ASSBSBA)}

Campus: West

\section*{Program Description:}

The curriculum of the BA in social and behavioral sciences provides an understanding of assumptions underlying the social and behavioral sciences; develops students' research skills for analysis of complex social issues; offers a flexible program tailored to the career goals of the individual student; and offers individual and group experiences in working with faculty on concrete intellectual and policy issues.

The core courses provide students with a background suitable to helping them better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions (e.g., family, community, society and culture).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Students who select the individual and behavior theme area need to have completed MAT 170 in order to meet the prerequisite requirements of courses in that area.

Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Please see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The interdisciplinary degree is an excellent option that matches the individual's interests and fulfills many employers' expectations of a bachelor's degree, namely that it should expose the student to a variety of outlooks and challenges.

Such a degree is competitive in most situations in which the disciplinary social and behavioral degrees are accepted, and it is advantageous when seeking entry to broad professional programs such as regional planning or urban studies.

This degree provides a solid background in social sciences and methodologies that prepares students for graduate work in community development, counseling, criminal justice, professional schools (e.g. law, public administration, social work), public policy, social science disciplines and urban studies or planning.

Other careers include:
- border patrol officer
- community developer
- customer services manager
- housing specialist
- human Relations Officer
- immigration advocate
- lawyer
- lobbyist
- mediator
- nonprofit manager
- social sciences professor
- social services case worker
- statistical analyst
urban planner
victim's advocate

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/social-and-behavioral-sciences-degree-ba

\section*{FAB N100}
sbsadvising@asu.edu

\section*{Social and Behavioral Sciences, BS (ASSBSBS)}

Campus: West

\section*{Program Description:}

The curriculum of the BS in social and behavioral sciences provides an understanding of assumptions underlying the social and behavioral sciences; enables students to develop research skills necessary for analysis of complex social issues; offers a flexible program tailored to the career goals of the individual student; and offers individual and group experiences in working with faculty on concrete intellectual and policy issues.

The core courses provide students a background suitable to help them better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions (e.g., community, culture, family and society). The Bachelor of Science differs from the BA degree in that this degree program has a stronger focus on the use of statistics.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The interdisciplinary degree is an excellent option that matches the individual's interests and fulfills many employers' expectations of a bachelor's degree, namely that it should expose the student to a variety of outlooks and challenges.

Such a degree is competitive in most situations in which the disciplinary social and behavioral degrees are accepted, and it is advantageous when seeking entry to broad professional programs such as regional planning or urban studies.

The degree also provides a solid background in social sciences and methodologies that prepares students for graduate work in community development, counseling, criminal justice, professional schools (e.g. law, public administration, social work), public policy, social science disciplines, and urban studies or planning.

Possible careers include:
- border patrol officer
- community developer
- customer services manager
- housing specialist
- human Relations Officer
- immigration advocate
- lawyer
- lobbyist
- mediator
- nonprofit manager
- social sciences professor
- social services case worker
- statistical analyst
- urban planner
- victim's advocate

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/social-and-behavioral-sciences-degree
FAB N100
sbsadvising@asu.edu
602-543-3000
Social and Cultural Analysis (American Studies), BA (ASSCAASBA)
Campus: West

The BA program in social and cultural analysis with a concentration in American studies engages in the transdisciplinary and comparative study of the United States as a cultural and political site of ongoing change and conflict. Students learn diverse methods of analyzing nationalist politics; public and private cultural practices; transnationalism; and the nation-making processes of migration, in keeping with the creative and critical scholarship of the discipline. The curriculum also brings attention to identity formations around gender, sexuality, race and ethnicity. As a transdisciplinary field, American studies unites the social sciences, the humanities and the arts, to stimulate students into engaging in rigorous and adventurous conversations about American culture, politics and history. Students explore knowledge beyond disciplinary boundaries by bringing differing perspectives and understandings into dialogue with one another and generating a unique level of intellectual rigor and excitement.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

\section*{Transfer from an Arizona Community College}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations. Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations. Graduates flourish in areas as varied as:
- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations (NGOs)
- Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/social-and-cultural-analysis-american-studies
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA (ASSCAERBA) Campus: West}

\section*{Program Description:}

The BA program in social and cultural analysis with a concentration in ethnicity, race and indigenous studies combines transdisciplinary topics and methods to critically analyze relationships among individuals, groups, institutions, governments, economies and environments. The program enriches the study of individual racialized and indigenous groups by drawing upon theories, methods and pedagogies in ethnicity, race and indigenous studies while engaging complementary fields of literature, history, sociology, oral history, sexuality, queer studies, social justice, and transnational and cultural studies. Coursework grounds the students in a deep understanding of the particular historical, social, economic, cultural and political experiences of individual racialized groups as well as in an analysis of the relationships among them.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations. Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations. Graduates flourish in areas as varied as:
- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations (NGOs)
- Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/social-and-cultural-analysis-ethnicity-race-and-indigenous-studies
FAB N100
harcsadvising@asu.edu
602-543-3000

\title{
Social and Cultural Analysis (Latin American Studies), BA (ASSCALABA) \\ Campus: West
}

\section*{Program Description:}

The BA in social and cultural analysis with a concentration in Latin American studies provides a broad and vibrant framework for studying the diverse societies of Latin America, including diasporic communities, and it presents rich opportunities for cross-cultural study. The program is designed to provide a transdisciplinary approach to the literature, film, history, politics and culture of both Latin America and Latinas and Latinos living in the United States.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)

Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in public service, education, business, humanitarian work, law or health care. Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations. Graduates are able to flourish in areas as varied as:
- civil rights organizations
- colleges and universities
- corporations
government agencies
- law firms
- libraries
museums
- nongovernmental organizations (NGOs)
- Peace Corps
- political action groups
public relation firms
- research organizations
- social service agencies

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/social-and-cultural-analysis-latin-american-studies
FAB N100
harcsadvising@asu.edu
602-543-3000

\title{
Social and Cultural Analysis (Peace Studies), BA (ASSCAPSBA) \\ Campus: West
}

\section*{Program Description}

The BA in social and cultural analysis with a concentration in peace studies is a unique, transdisciplinary offering that fosters a critical investigation of peace. It does so primarily through a humanities lens, but not exclusively, and it provides an analysis of peace in connection with issues such as gender, ethnicity, race and religion. Students learn many perspectives on peace and approaches to it, including theories and practices of peace building, nonviolence, and conflict avoidance and resolution. The program builds on the expertise of faculty in the humanities and social sciences in fields such as history, linguistics, literature, ethics, philosophy, sociology, ethnic studies, and women and gender studies.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program
(http://students.asu.edu/admission/wue).
Additional Program Fee: N
Second Language Requirement: N

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
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\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

There is a growing concern for peace building within social and political institutions. As a consequence, numerous jobs now exist in peace-related sectors. Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations. Knowledge gained can be applied toward professional and personal advancement in education, writing, policy, law, cross-cultural communication, ethics and work with nongovernmental organizations. Due to the emphasis on the social aspects of peace, diversity, and identity, students will develop an awareness of the needs of diverse populations and the discourses that help create a culture of peace. Graduates apply their knowledge to areas as diverse as the following:
- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations (NGOs)
- Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/social-and-cultural-analysis-peace-studies
FAB N100
harcsadvising@asu.edu
602-543-3000

\title{
Social and Cultural Analysis (Queer and Sexuality Studies), BA (ASSCAQSBA)
}

Campus: West

\section*{Program Description:}

The BA program in social and cultural analysis with a concentration in queer and sexuality studies combines transdisciplinary topics and methods to critically analyze the function of ideologies of sexuality; the history and present conditions of sexual identity formation; structural inequalities and queer resistance to those same inequalities; and the diversity of LGBTQA communities. Drawing from the premise that sex, gender and sexual orientation are both private experiences as well as profoundly political and public issues with important legal, social and cultural implications, the intellectual core of this program draws from theories, methods and pedagogies in queer theory and sexuality studies while engaging complementary fields of social justice, cultural studies, women's studies, gender studies, literature, history, sociology, psychology and transnational studies. Areas of emphasis include sexuality in culture, transnational queer studies, queer social movements and resistance, sexual fluidity, trans studies and critical heterosexualities.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program
(http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of the program are prepared with the skills and knowledge necessary for graduate work as well as for careers in government, education, business and nonprofit organizations. Due to the emphasis on culture and identity, students develop respect for and sensitivity to, diverse populations. Graduates flourish in areas as varied as:
- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations (NGOs)
- Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/social-and-cultural-analysis-queer-and-sexuality-studies
FAB N100
harcsadvising@asu.edu
602-543-3000
Social and Cultural Analysis (Women and Gender Studies), BA (ASSCAWSBA)
Campus: West

\section*{Program Description:}

The BA in social and cultural analysis with a concentration in women and gender studies offers students a transdisciplinary curriculum that focuses on the diverse experiences of women in both national and international contexts. The program also examines the meaning of gender as a socially constructed category that shapes personal identities, beliefs, opportunities and behaviors. The wide range of classes explores the intersections of gender, race, class and sexuality; the institutional structures that have an impact on women's and men's lives; and the broad range of feminist theories that seek to explain and influence women's status in society. Areas of emphasis include gender and sexuality, critical race feminisms, gender and the borderlands, transnational feminisms, social activism and social movements, histories of feminism and critical embodiment studies.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

\section*{Transfer from an Arizona Community College}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program are prepared with the skills and knowledge necessary for graduate work as well as careers in government, education, business and nonprofit organizations. Due to the emphasis on culture and identity, students develop respect for and sensitivity to diverse populations. Graduates flourish in areas as varied as:
- civil rights organizations
- colleges and universities
- corporations
- government agencies
- law firms
- libraries
- museums
- nongovernmental organizations (NGOs)
- Peace Corps
- political action groups
- public relation firms
- research organizations
- social service agencies

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Humanities, Arts, and Cultural Studies
https://newcollege.asu.edu/social-and-cultural-analysis-women-and-gender-studies
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Sociology, BA (ASSOCBA)}

Campus: West, Lake Havasu

\section*{Program Description:}

The School of Social and Behavioral Sciences offers a BA in sociology in the New College of Interdisciplinary Arts and Sciences at ASU's West campus.

Sociology is the study of the organization and development of societies and the institutions within them. The sociology program helps students better understand the development, structure, interaction and collective behavior of organized groups. The program explores the theories, practices, and policies underlying the issues of social change, inequality and diversity. This degree program provides training in important research skills used to describe, interpret and evaluate evidence across diverse settings and designs important in the new economy.

This is a flexible program that provides opportunities for students to work collaboratively with faculty on intellectual and policy issues and helps them develop the research skills necessary for the analysis of complex social issues.

Graduates are prepared for employment in corporate or governmental organizations or to continue their studies in graduate programs in sociology, social science or professional schools.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:
Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates apply the sociological perspective to a wide variety of jobs in:
- business and management
- government
- social services
- the criminal justice system
- the health professions

Coursework in sociology provides a valuable preparation for careers in:
- journalism
- law
- politics
- public administration
- public relations
- nonprofit sector

These are all fields that involve investigative skills and an ability to work with diverse groups. Graduates with an advanced degree in sociology may become:
- community activists
- community developers
criminologists
- demographers
- gerontologists
- organizational advocate
- research analysts
- statisticians
- survey researchers
- urban planners

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Social and Behavioral Sciences
https://newcollege.asu.edu/sociology-degree-ba
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{Sociology, BS (ASSOCBS)}

\section*{Campus: West}

\section*{Program Description:}

The School of Social and Behavioral Sciences offers a BS in sociology in the New College of Interdisciplinary Arts and Sciences at ASU's West campus.

Sociology is the study of the organization and development of societies and the institutions within them. The sociology program helps students better understand the development, structure, interaction and collective behavior of organized groups. The program explores the theories, practices and policies underlying the issues of social change, inequality and diversity. This degree program provides training in important research skills used to describe, interpret and evaluate evidence across diverse settings important in the economy.

This is a flexible program that provides opportunities for students to work collaboratively with faculty on intellectual and policy issues and helps them develop the research skills necessary for the analysis of complex social issues. The BS degree differs from the BA degree in that it requires an additional methods course.

Graduates are prepared for employment in corporate or governmental organizations or to continue their studies in graduate programs in sociology, social science or professional schools.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Second Language Requirement: N}

First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates apply the sociological perspective to a wide variety of jobs in:
- business and management
- government
- social services
-the criminal justice system
- the health professions
- the nonprofit sector

Graduates receive valuable preparation for careers in:
- journalism
- politics
- public administration
- public relations

These are all fields that involve investigative skills and an ability to work with diverse groups. Graduates with an advanced degree in sociology may become:
- community activists
- community developers
- criminologists
- demographers
- gerontologists
- organizational advocates
- research analysts
- statisticians
- survey researchers
- urban planners

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of School of Social and Behavioral Sciences https://newcollege.asu.edu/sociology-degree
FAB N100
sbsadvising@asu.edu
602-543-3000

\section*{Spanish, BA (ASSPABA)}

Campus: West

\section*{Program Description:}

The BA program in Spanish, offered at ASU's West campus, emphasizes the Spanish language, literature and culture, developing students to be bilingual and versatile team members in social agencies, education, law and diplomacy.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
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Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Spanish program offers excellent preparation for graduate school or for employment as a teacher in the elementary or secondary school system, especially in those districts where bilingual programs are integral to the curricula. Outside the education system, students majoring in Spanish find employment as translators and interpreters in:
- diplomatic corps
- federal and state courts
- law enforcement agencies
- law firms
- social agencies

The business world also provides employment for those fluent in Spanish. This is especially true in the American Southwest, with its proximity to Mexico, and through outlets opened by the tri-national North American Free Trade Agreement.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of

\section*{Statistics, BS (ASSTABS)}

Campus: West

\section*{Program Description:}

Almost every industry in the modern economy relies on the collection and analysis of data. The statistics program offered at ASU's West campus prepares students to meet the demands of the ever-growing data analysis field. In fact, this program is the only BS degree in statistics in the state of Arizona, making this program a launching pad for a statistics-driven career.

Through innovative research opportunities and internships with Phoenix-area corporations, including PING, students build a solid foundation of mathematics and computing, helping them grasp a thorough understanding of both theoretical and practical statistics. This prepares students for careers in finance, pharmaceuticals, medicine and manufacturing.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: \(N\)
First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)

Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

In the era of big data, there is great demand for individuals with all levels of statistical training. Graduates of this program have an understanding of the transdisciplinary nature of statistics and are prepared for graduate study in statistics and related areas or for entry-level positions in a variety of fields, including business, government and the natural and social sciences.

Statisticians are in high demand in many areas of industry, government and academia. Some areas with particularly high demand include:
- finance
- manufacturing
- medical
- pharmaceutical

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of
School of Mathematical and Natural Sciences
https://newcollege.asu.edu/statistics-degree
FAB N100
mnsadvising@asu.edu
602-543-3000

\section*{Women and Gender Studies, BA (ASWSTBA)}

\section*{Campus:}

\section*{Program Description:}

This is an interdisciplinary BA program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts.

Consistent with the university's design imperatives of social embeddedness and use-inspired research, the program's course offerings, research initiatives and cocurricular programs further the understanding of women and gender and promote social justice.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The women and gender studies program builds a solid educational foundation, providing knowledge and helping students develop the criticalthinking skills needed to deal with changing gender roles in society. The program also prepares students for opportunities in many settings:
- business and professional schools
- education and training
- graduate study in the humanities and social sciences
- health care services
- human resources development
- public and business administration
- social services

\section*{Contact Information:}

FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Women and Gender Studies, BS (ASWSTBS)}

\section*{Campus: West}

\section*{Program Description:}

This interdisciplinary BS program in women and gender studies has a qualitative emphasis, and explores intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts.

Consistent with the university's design imperatives of social embeddedness and use-inspired research, the program's course offerings, research initiatives and co-curricular programs further the understanding of women and gender, and promote social justice. Students gain a solid knowledge base and educational foundation as well as the critical-thinking skills necessary for dealing with changing gender roles in society.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program
(http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: \(N\)
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Communication Studies, MA
Interdisciplinary Studies, MA
Social Justice and Human Rights, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are prepared for further study in graduate or professional programs as well as for careers in a variety of settings, including health care services, human resources development, public and business administration, and social services.

\section*{Contact Information:}

Interdisciplinary Arts \& Sciences, New College of School of Humanities, Arts, and Cultural Studies https://newcollege.asu.edu/women-and-gender-studies
FAB N100
harcsadvising@asu.edu
602-543-3000

\section*{Journalism \& Mass Communication, Walter Cronkite School of}

\section*{Digital Audiences, BS (CSDIGABS)}

Campus: Online

\section*{Program Description:}

In an increasingly digital world, virtually all companies and organizations are looking for professionals who know how to grow and engage audiences online. The BS program in digital audiences prepares students to reach audiences strategically with digital content and to demonstrate measurable growth.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)
program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/digital-audiences-bs)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Professionals with expertise in content strategy for digital audiences are in high demand across sectors and industries. Among the many career opportunities available are positions such as public relations specialists, news content promoters, political campaign directors, community organizers and corporate branding specialists.

\section*{Contact Information:}

Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm
https://cronkite.asu.edu
CRONK 302
cronkiteadvising@asu.edu
602-496-5055
Journalism and Mass Communication, BA (CSJMCBA)
Campus: Downtown Phoenix

\section*{Program Description:}

The BA in journalism and mass communication at ASU's Walter Cronkite School of Journalism and Mass Communication, one of the best
journalism schools in the country, is a highly professional, hands-on degree program that prepares students for careers in media.

Undergraduate students at the journalism school learn the values and principles that have long formed the core of the journalism profession, and they master the highly specialized, practical skills needed to succeed in today's digital world and start a career in journalism or mass communication.

High-performing students can apply to the school's accelerated bachelor's degree and master's degree program, which allows for the completion of both degrees in five years. They can also become part of ASU's Barrett, The Honors College.

\section*{Additional Program Fee: Y}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
or any MAT course that satisfies the math requirement

Program Math Intensity: General

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with:
Geography (Meteorology-Climatology), BS
Graphic Information Technology, BS
Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA
Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with: Master of Mass Communication, MMC Sports Journalism, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The Bachelor of Arts in journalism and mass communication degree program has higher admission requirements and an application deadline of June 1 for fall. Students should select a second choice major on the application. All applicants will be reviewed by the school. Those who are not admitted to the Cronkite School will, if eligible, be admitted to their second choice major.

Freshman applicants must meet all of the following standards:
- have a 3.00 ( 4.00 = "A") ABOR GPA
- have no English competency deficiencies
- 1040 SAT Reasoning if taken before March 2016 or 1120 SAT Reasoning if taken after March 2016 or 22 ACT score

Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:
- 3.75 minimum ABOR GPA
- no English competency deficiencies
- 1040 SAT Reasoning if taken before March 2016 or 1120 SAT Reasoning if taken after March 2016 or 22 ACT score

Transfer Admission Requirements:
Transfer students (with 12 or more transfer hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher and no English competency deficiencies. Transfer students should contact the school for additional steps after admission to ASU. For more information regarding transfer admission see http://cronkite.asu.edu/undergrad/xfer_major_change.php
(http://cronkite.asu.edu/undergrad/xfer_major_change.php).

Concurrent degree admission requirements:

Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

\section*{Change of Major Requirements:}

ASU students who would like to change their majors to journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements. The course MCO 120 Media and Society, SB (3), an introductory course for nonmajors, can count in place of JMC 110 Principles and History of Journalism, SB (3).

Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change their major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Walter Cronkite School of Journalism and Mass Communication graduates work for:
- corporate and business communication divisions
- digital media content providers
- international news and information outlets
- magazines
- network news
- national and local newspapers, radio and television stations
- public relations firms
- social media and online content creators

Positions include:
- editors
coders
- documentarians
- social media and online content creators
- data visualization experts
- media managers
- photojournalists
- producers
- reporters
- writers
- video journalists

\section*{Contact Information:}

Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm https://cronkite.asu.edu/degree-programs/undergraduate/journalism
CRONK 302
attendcronkite@asu.edu
602-496-5555

\section*{Mass Communication and Media Studies, BA (CSMCMSTBA)}

Campus: Online

\section*{Program Description:}

The online program for the BA in mass communication and media studies gives students a deep and nuanced understanding of the growing importance, power and influence of media around the world. The program explores global mass communication issues from all dimensions: societal, cultural, historical, political, economic, technological and legal.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
or any MAT course that satisfies the math requirement

\section*{Program Math Intensity: Genera}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-mass-communication-and-media-studies?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A sophisticated understanding of mass communication is a critical asset for careers in business, government, community and the nonprofit sectors. Graduates of the program have career opportunities with professional organizations, educational institutions, writing firms, publishing companies, political parties and candidates, government officials and others. Graduates of the bachelor's degree in mass communication and media studies are prepared to pursue graduate studies in fields such as law, medicine, the arts, education and journalism.

\section*{Contact Information:}

Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm
https://cronkite.asu.edu/content/mass-communication-and-media-studies
CRONK 222
cronkiteadvising@asu.edu
602-496-5055

\section*{Sports Journalism, BA (CSSPJBA)}

Campus: Downtown Phoenix

\section*{Program Description:}

Sports journalism is the fastest-growing sector of the news media industry, with continued growth on all platforms: specialty magazines, multimedia outlets, and TV channels and networks. The Walter Cronkite School of Journalism and Mass Communication's BA program in sports journalism gives students unparalleled preparation for careers in sports media and communications through courses such as sports writing, sports photography, sports strategic communications, and ethics and diversity in sports. Students also complete an internship and intensive professional experience in the school's sports bureau, either in Phoenix or Los Angeles. Internship partners include professional sports teams, Arizona State University athletics, local, regional, and national sports media outlets like ESPN, Fox Sports the Pac-12 Networks, and more.

\section*{Additional Program Fee: Y}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
or any MAT course that satisfies the math requirement

Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Master of Mass Communication, MMC Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The Bachelor of Arts in sports journalism degree program has higher admission requirements and an application deadline of June 1 for fall. Students should select a second choice major on the application. All applicants will be reviewed by the school. Those who are not admitted to the Cronkite School will, if eligible, be admitted to their second choice major.

Freshman applicants must meet all of the following standards:
- minimum cumulative high school GPA of 3.00 ( \(4.00=\) " A ") in competency courses (https://students.asu.edu/admission/competencies)
- have no English competency deficiencies
- 1040 SAT Reasoning if taken before March 2016 or 1120 SAT Reasoning if taken after March 2016 OR 22 ACT score

Transfer Admission Requirements:
Transfer students (those with 12 or more transfer credit hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher and no English competency deficiencies. Transfer students should contact the school for additional steps after admission to ASU. For more information regarding transfer admission see http://cronkite.asu.edu/undergrad/xfer_major_change.php
(http://cronkite.asu.edu/undergrad/xfer_major_change.php).

\section*{Change of Major Requirements:}

ASU students who would like to change their majors to sports journalism must have at least a cumulative GPA of 3.00 in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective general studies requirements. MCO 120, an introductory course for nonmajors, can count in place of JMC 110. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students in the sports journalism program are prepared for careers in all aspects of the media including print, broadcast, online and mobile. Positions include sports writers, reporters, producers, television anchors, multimedia associates, social media specialists, and strategic communications and public relations project coordinators.

\section*{Contact Information:}

Journalism \& Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism \& Mass Comm
https://cronkite.asu.edu/degree-programs/undergraduate/sports-journalism
CRONK 302
attendcronkite@asu.edu
602-496-5555

\section*{Liberal Arts \& Sciences, College of}

\section*{Actuarial Science, BS (LAACTBS)}

Campus: Tempe

\section*{Program Description:}

The BS program in actuarial science at ASU provides the tools to succeed in this dynamic career.

Actuarial science majors learn to use tools from mathematics, statistics and finance to measure the impact of risk in order to improve forecasting and decision-making in business and government. Actuaries must pass a series of intensive professional exams to become credentialed, and this degree program prepares students for these exams.

Actuaries enjoy an excellent starting salary, exceptional job security with numerous opportunities for career growth.

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N
First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

Current ASU students wishing to change their major to actuarial science should have a cumulative GPA of at least 3.00 (scale is \(4.00=\) "A"), have completed at least MAT 265 or MAT 270 and CIS 105 (or CSE 100 or CSE 110), and have earned a "B" grade or better in all critical classes they have already completed. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program

\section*{Transfer Agreements:}

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Risk is a part of daily life, and wherever there is risk, there are opportunities to be an actuary. Many actuaries work with insurance companies to calculate premiums, determine reserves needed to ensure an organization's financial health and to make sure organizations conform to stringent, complex legal mandates. Others help companies to establish retirement plans or are employed as consultants. With a Bachelor of Science degree in actuarial science, students acquire skills that are transferable to any industry and any organization that requires risk modeling and management, including:
- accounting firms
- colleges and universities
- energy, such as utilities, oil and gas
- environment (on issues such as climate change and the financial impact or risk of extreme events)
- financial services, such as banking and investment management
- government agencies such as Social Security, the Department of Labor, and Medicare (to manage social programs and to develop regulations and legislation)
- transportation, such as shipping and air travel

Students can also apply the advanced problem-solving skills learned in the actuarial science undergraduate program to a variety of other professional careers, including:
- analysts
- business operations specialists
- consultants
- teachers

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR A211
math@asu.edu
480-965-7195

\section*{African and African American Studies, BA (LAAFRBA)}

Campus: Tempe

\section*{Program Description:}

The African and African American studies program at ASU has assembled a dynamic faculty engaged in investigating the riveting complexities of Africa. Trained in a variety of disciplines that include anthropology, health, history, journalism, literature, sociology, political science and women's studies, the faculty examine a wide array of critical issues facing African-descended peoples across the stages of life at various times and places in history. Students choose one of the following areas of concentration: African diaspora studies or African studies.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Science and Technology Policy, MSTP Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Please see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Because of its emphasis on various social aspects and groups, the African and African American studies program provides students with practical applications useful for various workplaces. This program helps students develop cultural sensitivity and prepares them for careers in:
- administration
- advertising
- business
- counseling
- education
- human resources
international relations
- journalism
- justice
- management
- travel

The program prepares students for work in:
- civil rights organizations
- colleges and universities
- corporations
- government agencies
- hotel chains
- law firms
- libraries
- museums
- nonprofit organizations
- political action groups
- public relation firms
- research organizations
- sales departments
- social service agencies
- the insurance industry
the Peace Corps
- travel agencies

\section*{Contact Information:}

\section*{Liberal Arts \& Sciences, College of}

School of Social Transformation
https://sst.clas.asu.edu/african-and-african-american-studies

\title{
American Indian Studies, BS (LAAISBS)
}

\section*{Campus: Tempe}

\section*{Program Description:}

The BS program in American Indian studies provides students with unique opportunities to evaluate issues of American Indian nations within domestic and international contexts. The bachelor's degree program in American Indian studies encompasses two areas of emphasis: legal, policy, community and economic development; and arts, languages and culture. The American Indian studies program is committed to broadening the knowledge of students interested in the histories, languages, cultures, arts and contemporary situations of American Indian nations and peoples. The program is designed to protect the integrity and identity of the indigenous populations of North America and to create a learning environment conducive to critical and creative thought.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with: American Indian Studies (Indigenous Rights and Social Justice), MS
American Indian Studies (Tribal Leadership and Governance), MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of the American Indian studies program are qualified to fill positions at the tribal, state and federal government levels and in the private sector. Graduates can advance to graduate school or can pursue professional careers in fields such as government service or public service. For example, federally and tribally operated schools located in remote areas within Indian Country have high turnover rates for both teachers and staff. American Indian studies graduates should be available to help fill these positions. Furthermore, the federal government, a major employer on many reservations across the country, is in need of qualified people who are knowledgeable of Indian cultures, laws and policies. Additionally, many American Indian nations' economies and infrastructures are developing at a rapid pace, and they are in continuous need to fill mid-management and management-level positions.

Graduates find positions in many areas, such as:
- community action work
- public administration (tribal or state relations, nonprofit management, education administration, planner)
- public health
- the arts
- tribal employment (political office, tribal management, cultural resource programming, grant writer, cultural specialist, youth services)

This program also provides suitable preparation for graduate study or law school.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
American Indian Studies Program
https://americanindian.clas.asu.edu/
DISCVRY 356
AIS@asu.edu
480-965-3634

\section*{Anthropology, BA (LAASBBA) \\ Campus: Tempe, Online}

\section*{Program Description:}

Anthropology helps students develop strong critical-thinking and oral and written expression skills, which are important for success in many careers. The BA program in anthropology gives students an opportunity to learn how and why humans evolved and how our evolutionary biological, social and cultural trajectories help us understand the meaning of being human in past, present and future environments.

In this degree program students learn how to use the scientific method to formulate and test hypotheses and gather qualitative and quantitative data through participant observation, interviewing, ethnographic study, careful excavation and measurement. They also learn how to employ statistics to analyze and extract meaning from data.

A special feature of the ASU anthropology program is its relevance to other disciplines and many exciting hands-on learning opportunities in laboratories and through study abroad and field-based courses.

Additional Program Fee: N
Second Language Requirement: Yes

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-anthropology?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Dine College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology will increasingly be sought for their broad, holistic knowledge and perspectives, which are the hallmarks of anthropology. Some career opportunities include:
- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing culture or heritage resources in private or public sectors
- modeling infectious diseases
- planning communities
- providing health care as nurses, doctors or public or global health professionals
- teaching

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

\section*{Anthropology, BS (LAASBBS)}

Campus: Tempe

\section*{Program Description:}

Anthropology is the study of how and why humans evolved and how our evolutionary biological, social and cultural trajectories help us understand the meaning of being human in past, present and future environments. The BS program in anthropology gives students an opportunity to master anthropological or anthropologically relevant knowledge and skills through applications of the scientific method and quantitative methodologies.

In core and elective courses, the bachelor's degree program in anthropology allows students to explore problems that may require the use of theories and methods from diverse disciplines, including biology, global health, applied mathematics, psychology, economics, sociology, medicine, law and engineering. The curriculum provides many exciting, hands-on learning opportunities through laboratories, study abroad and field-based courses.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 251-Calculus for Life Sciences
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology will increasingly be sought for their broad, holistic knowledge and perspective, which are the hallmarks of anthropology. Some career opportunities include:
- acting as legal advocates in international cases
- analyzing and proposing policies
- conducting postgraduate academic research
- consulting for large and small private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- managing cultural resources in public and private sectors
- modeling infectious diseases
- planning communities
- providing health care as nurses, doctors or public or global health professionals
- teaching

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

\section*{Applied Mathematics for Life and Social Sciences, BS (LAAMLBS) \\ Campus: Tempe}

\section*{Program Description}

The BS degree program in applied mathematics for the life and social sciences offers a challenging and exciting curriculum that investigates and integrates complex areas of the physical, life and social sciences while preparing a new generation skilled in the use of theories and techniques such as mathematical modeling and computational methods to solve practical real-world problems.

The program focuses on the development of critical-thinking skills and purposeful competencies in mathematics. It instills an appreciation for the contributions of mathematics to the fields of sciences, engineering, business, government and economics. Coursework is directed toward an understanding of mathematical theory and its relation to other fields of studies. Emphasis is placed on precision of definition, reasoning to accurate conclusions, and analyzing and developing solutions to problems using mathematical principles

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree program in applied mathematics for the life and social sciences prepares students to enter the environmental, life, health, mathematical and social science fields. Graduates of the program possess the quantitative, scientific and analytical skills that are critical for professionals working in these areas.

The need for scientists and professionals quantitatively trained in the life and social sciences is strong in Arizona and the nation. This degree's applied use of mathematics, modeling, statistics and simulation methodologies are in high demand and provide excellent training for future academics and professionals in industries including:
- astrophysics
- biostatistics
- chemical engineering
- communications
- computational biology
computer animation
data mining
demography
- digital and medical imaging
- e-commerce
- education
forensics
- genomics
- informatics and complex systems research
materials science
- neuroscience
pharmaceutical engineering
- political science
public health
risk management
- security and military
- social network analysis

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

\section*{Asia Studies (East Asia), BA (LAHSTEABA)}

Campus: Tempe

\section*{Program Description:}

The BA program in Asia studies offers students the opportunity to study East Asia, South Asia or Southeast Asia in depth through a coherent concentration of academic study across a number of disciplines. The transdisciplinary approach provides students with a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on East Asia includes coursework on:
- China
- Japan

Korea
- Taiwan

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Transfer from a Maricopa Community College in Arizona:

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

People knowledgeable about Asia will be required in virtually every arena in which the U.S. interacts with the rest of the world, including:
- communication
- diplomacy
- food security
- higher education
- humanitarian service
- intelligence
- international organizations
- journalism
- law
- law enforcement
- military
- philanthropy
- technology transfer
- tourism
- trade
- transportation

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/160
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

\section*{Asia Studies (South Asia), BA (LAHSTSABA)}

Campus: Tempe

\section*{Program Description:}

The BA degree program in Asia studies offers students the opportunity for in-depth study of East Asia, South Asia or Southeast Asia through a coherent curriculum of academic study across a number of disciplines. The transdisciplinary approach provides students with a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and enables them to apply valuable knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on South Asia includes coursework covering:
- Bangladesh
- India
- Pakistan
- other South Asian states and societies

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Transfer from a Maricopa Community College in Arizona:

Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

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Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

People knowledgeable about Asia will be required in virtually every arena in which the U.S. interacts with the rest of the world, including:
- communication
- diplomacy
- food security
- higher education
humanitarian service
- intelligence
- international organizations
- journalism
- law
- law enforcement
- military
- philanthropy
technology transfer
- tourism
- trade
- transportation

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/158
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

\section*{Asia Studies (Southeast Asia), BA (LAHSTSEABA)}

Campus: Tempe

\section*{Program Description:}

The BA program in Asia studies offers students the opportunity for in-depth study of East Asia, South Asia or Southeast Asia through a coherent curriculum of academic study across a number of disciplines. The transdisciplinary approach provides students with a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings.

The Asia studies degree program with a concentration on Southeast Asia includes coursework covering:
- Brunei
- Burma/Myanmar
- Cambodia
- East Timor
- Indonesia

Laos
- Malaysia
- Singapore
- Thailand
- the Philippines
- Vietnam

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

People knowledgeable about Asia will be required in virtually every arena in which the U.S. interacts with the rest of the world, including:
- communication
- diplomacy
- food security
- higher education
- humanitarian service
- intelligence
- international organizations
- journalism
- law
- law enforcement
- military studies
- philanthropy
- technology transfer
tourism
- trade
- transportation

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/165
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

\section*{Asian Languages (Chinese), BA (LACHIBA)}

Campus: Tempe

\section*{Program Description:}

The BA degree program in Asian languages with a concentration in Chinese emphasizes proficiency in reading, writing and speaking Mandarin and in reading classical Chinese. It provides an in-depth understanding of the fundamentals of the rich Chinese cultural tradition, centered on primary Chinese texts (in Chinese and in English translation) from the literary, intellectual and religious cultures of Chinese-speaking societies. These texts include visual and written materials on a variety of topics, including:
- history
- linguistics
- literary theory
- media
- philosophy
- religion
- urban culture

Students in the program have a number of available options for enhancing their education through study abroad: https://mystudyabroad.asu.edu (https://mystudyabroad.asu.edu/). Highly-motivated students interested in learning Chinese to professional-level proficiency are encouraged to inquire about the Chinese Language Flagship Program: https://international.clas.asu.edu/chineseflagship (https://international.clas.asu.edu/chineseflagship). All students with higher levels of linguistic competency may enroll in targeted courses (conducted in Chinese) offered as part of the Chinese flagship track.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities. Language-intensive careers include:
- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- nongovernmental organization professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields and occupations using multiple languages include:
- advertising, marketing and communications
- airline industry
- film, television or multimedia
- foreign correspondence and journalism
- hospitality industry
- hotel and resort management
- intelligence
- international education and study abroad administration
- international law
- military
- ministry
- public relations
publishing
- technology industries

Additional education and certification may be required for some career paths.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/asian-languages-chinese
LL 440
silcadvising@asu.edu
480-965-6281

\section*{Asian Languages (Japanese), BA (LAJPNBA)}

Campus: Tempe

\section*{Program Description:}

Students in the BA program in Asian languages with a concentration in Japanese study the language, literature and culture of Japan and gain a respectable measure of competence in reading, writing, oral and aural skills in the Japanese language. Students also gain linguistic and cultural competence through the required study of classical Japanese. Throughout the program, students take courses in either Chinese or Korean language or culture and related courses in Japanese and East Asian culture on topics such as:
- art
government
- Japanese history
- linguistics
- literary and cultural theory
- religion

In addition, ASU offers summer or yearlong programs to study abroad in Japan. More information on study abroad opportunities is available at https://mystudyabroad.asu.edu (https://mystudyabroad.asu.edu/).

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities. Language-intensive careers include:
- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields and occupations using languages include:
- advertising, marketing or communications
- airline industry
- film, television or multimedia
- hospitality industry
- hotel and resort management
- intelligence
- international education and study abroad administration
- international law
- lifestyle management
- military
- ministry
public relations
publishing
- technology industries

Additional education and certification may be required for some career paths.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/43
LL 440
silcadvising@asu.edu
480-965-6281

\section*{Asian Pacific American Studies, BA (LAAPABA)}

Campus: Tempe

\section*{Program Description:}

The BA program in Asian Pacific American studies provides an opportunity for students to study the long history and rich contemporary experiences, cultures and communities of Asian Pacific Americans in the Southwest with dedicated, inspiring faculty. A liberal arts emphasis on critical thinking, complex reasoning and solid writing skills prepares students to engage in research that informs meaningful dialogues between policymakers, educators and society at large about Asian American and Pacific Islander communities for years to come. The Asian Pacific American studies program is housed in ASU's School of Social Transformation, the only school of its kind in the United States.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students who complete the bachelor's degree program in Asian Pacific American studies may pursue a graduate degree in law, humanities or social sciences. Students will also be prepared to work in positions involving:
- business
- community organizations
- creative arts
- education
- health
- immigration
- journalism
- law

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/asian-pacific-american-studies
WILSN 125
SSTadvising@asu.edu
480-965-7682

\section*{Biochemistry, BA (LABCHBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in biochemistry provides students with a course of study in the chemical processes of living organisms. Among the endeavors that depend upon a thorough grounding in this area are discoveries of new drugs, the recognition and control of new pathogens, development of new catalysts for energy transformations, and the production of new materials and solutions to problems such as food production and environmental

This program is a flexible option for students interested in a liberal arts degree with a strong grounding in physical science. It is ideal for students seeking to complete two degrees. Students wishing to pursue a scientific graduate degree should consider the BS in biochemistry.

Additional Program Fee: Y

\section*{Second Language Requirement: Yes}

First Required Math Course: MAT 251 - Calculus for Life Sciences
Students may complete MAT 270 Calculus with Analytic Geometry I (4) in lieu of MAT 251 Calculus f
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A solid undergraduate education in biochemistry provides the necessary background for career paths in areas such as:
- chemical industries
government
- health care
- research
- teaching

Students often study biochemistry with supporting work in biology and chemistry as the route for preprofessional training for careers in these fields:
- dentistry
- medicine
- pharmacy
- veterinary

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu
PSD 106
SMSadvising@asu.edu
480-965-7667

\section*{Biochemistry, BS (LABCHBS)}

Campus: Tempe, Online

\section*{Program Description:}

The BS program in biochemistry provides students with a course of study in the chemical processes of living organisms. Among the endeavors that depend upon a thorough grounding in the area are discoveries of new drugs, the recognition and control of new pathogens, development of new catalysts for energy transformations, the production of new materials and solutions to problems such as food production and environmenta remediation

This program is appropriate preparation for further study of biochemistry or related sciences in graduate school as well as for medical, dental or pharmacy school.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biochemistry (Medicinal Chemistry), MS
Nanoscience, PSM
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/biochemistry-bs)

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A solid undergraduate education in biochemistry provides the necessary background for career paths in chemical industries, government, health care, research, teaching and other areas.

Students planning careers in medicine, dentistry, pharmacy or veterinary medicine often study biochemistry with supporting work in biology and chemistry as the route for preprofessional training.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu
PSD 106
SMSadvising@asu.edu
480-965-7667

\section*{Biochemistry (Medicinal Chemistry), BS (LABCHMBS)}

Campus: Tempe

\section*{Program Description:}

The science of biochemistry is about understanding the chemical processes of living organisms. Discoveries of new drugs, the recognition and control of pathogens, development of new catalysts for energy transformations, and the production of new materials and solutions to problems such

The BS degree program in biochemistry with a concentration in medicinal chemistry features an emphasis on the application of chemistry to the design and function of medicines. This program is appropriate for further study of biochemistry or related sciences in graduate school as well as medical, dental or pharmacy school.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biochemistry (Medicinal Chemistry), MS
Nanoscience, PSM
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

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Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A solid undergraduate education in biochemistry provides the necessary background for career paths in chemical industries and is useful for careers in governmental regulation, health care, research and other areas.

Students planning careers in medicine, dentistry, pharmacy or veterinary medicine often pursue the medicinal chemistry concentration, with supporting work in biology and chemistry as the route for preprofessional training.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu
PSD 106
SMSadvising@asu.edu
480-965-7667

\section*{Biological Sciences, BS (LABSCBS)}

Campus: Tempe, Online

\section*{Program Description:}

The life sciences delve into the basic organization and processes of life (microbes, plants and animals) at scales ranging from molecules to ecosystems and in time from picoseconds to millennia. This includes investigations into how hereditary information is transferred and organisms evolve, the interplay of organisms and their environments, and how these factors interact in health and disease. Students interested in a degree in life sciences can opt for a BS in biological sciences or choose one of five concentrations:
- biology and society
- biomedical sciences
- conservation biology and ecology
- genetics, cell and developmental biology
- neurobiology, physiology and behavior

This program is available as an accelerated degree program: https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science (https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science).

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 251-Calculus for Life Sciences
Program Math Intensity: Moderate

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Secondary Education, BAE

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biology (Biology and Society), MS
Biology, MS
Molecular and Cellular Biology, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/biological-sciences-bs)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The biological sciences major with no concentration is designed for students who are committed to studying and training in multiple disciplines in biology and students who want to get more exposure to the life sciences before deciding whether they want to declare a concentration as an undergraduate. Therefore, students in this major take core courses from several concentrations. Students in this major have more flexibility to customize their program of study so they can focus on their own area of interest that may not have a concentration, such as plant biology or genomics.

The biological science major provides an excellent foundation for graduate study as well as preparation for professional schooling in:
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- dentistry

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- medicine
- pharmacy
- veterinary medicine

Graduates may also enter positions in:
- biotechnology
- education
- government
- industry

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu/
LSA 189
sols.advising@asu.edu
480-727-6277

\section*{Biological Sciences (Biology and Society), BS (LABSCSBS)}

Campus: Tempe

\section*{Program Description:}

The BS program in biological sciences with a concentration in biology and society focuses on training biology students to understand the social context of their science, to ask how and why a biological problem has been and should be studied. Students explore the ways in which policy decisions shape and are shaped by biological research and they investigate the meaning and significance of the life sciences in understanding our complex world.

The biology and society curriculum is highly individualized. This unique degree is home to world-class researchers and teachers in diverse fields, including bioscience ethics, history and philosophy of science, science communication, science education and science policy, all brought together under one program. Students have the opportunity to work with many renowned scholars in independent study and research projects.

This program is available as an accelerated degree program: https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science (https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science)

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 251-Calculus for Life Sciences
or MAT 270 Calculus with Analytic Geometry I

\section*{Program Math Intensity: Moderate}

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with
Biology (Biology and Society), MS
Biology, MS
Molecular and Cellular Biology, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Biology and society students gain the historical, philosophical, political and ethical perspectives needed to explore interactions between the life sciences and related, complex human issues. As a result, the program contributes to better informed and more effective teachers, writers, policymakers, clinicians and researchers in areas related to biology, medicine and society.

As a result of the individualized, skill-based curriculum, biology and society majors are eligible for a broad range of career options. Most graduates have chosen to pursue professional degrees in medicine, law, public health or public policy, or graduate study in biology, ethics, education or history and philosophy of science. Our graduates enter the workforce, whether in academia, industry, government or clinical practice, with a deep sensitivity to the complexity of biology in society and the skill to navigate that complexity throughout their careers.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu/
LSA 189
sols.advising@asu.edu
480-727-6277

\section*{Biological Sciences (Biomedical Sciences), BS (LABSCMBS)}

Campus: Tempe

\section*{Program Description:}

The biomedical sciences concentration serves students in the biological sciences BS degree program who wish to pursue careers in medicine, other health professions or biomedical research in an academic, clinical or industry settings. The curriculum aligns with the broad scientific competencies recommended for premed students in a report of the American Medical Colleges and the Howard Hughes Medical Committee and
reflected in the 2015 changes to the MCAT.

Coursework draws from the school's concentration in genetics, cell and developmental biology and the concentration in neurobiology, physiology and behavior, with the addition of courses in biology and in medicine and society. The concentration focuses on the chemistry, biochemistry, math and physics coursework that is necessary to prepare students for the MCAT or medical school admissions. The concentration emphasizes core concepts, competencies and critical intellectual skills necessary to succeed in medical school or biomedical research.

This program is available as an accelerated degree program:https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science (https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 251-Calculus for Life Sciences
or MAT 270 Calculus with Analytic Geometry I

Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biology, MS
Molecular and Cellular Biology, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Upon completion of the biological sciences degree with a concentration in biomedical sciences, students are well-equipped to enter into careers as research scientists or as scientists in the health professions. Students will have met the majority of prerequisite requirements and mastered many of the competencies valued by graduate programs in medical, dental and optometry fields or in programs which prepare students to be physician assistants or physical therapists. Additionally, graduates of this program will have an understanding of the process of science preparing them for a career in research. They will have knowledge of foundational concepts in biological sciences, chemistry, physics and statistics, as well as the ability to understand and apply core biomedical concepts. This will prepare students to enter into biology research in a vast number of areas, some of which include genetics, genomics, evolution, physiology and immunology.

\section*{Contact Information:}

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School of Life Sciences
https://sols.asu.edu/
LSA 189
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\section*{Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS) \\ Campus: Tempe}

\section*{Program Description:}

Ecology is the study of the distribution and abundance of organisms, the interactions among organisms, and the interactions between organisms and the physical environment. Conservation biology is an applied science based on ecological principles that focuses on conserving biological diversity and on restoring degraded ecosystems. Arizona State University has made a commitment toward a more sustainable world, and knowledge of conservation biology and ecology, gained through the BS program in biological sciences with a concentration in conservation biology and ecology, is one critical component to help meet this global challenge.

Conservation biologists at ASU investigate the impact of humans on Earth's biodiversity and develop practical approaches to prevent the extinction of species and promote the sustainable use of biological resources. Some investigate the causes of ecosystem degradation and use ecological principles to reestablish desired conditions within a range of ecosystems, including rivers, wetlands, grasslands, urban landscapes and forests.

This program is available as an accelerated degree program: https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science (https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 251-Calculus for Life Sciences
or MAT 270 Calculus with Analytic Geometry I

\section*{Program Math Intensity: Moderate}

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biology (Biology and Society), MS
Biology, MS

Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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\section*{Transfer from a Maricopa Community College in Arizona:}

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The curriculum prepares students for employment and provides a solid platform for students who wish to attend graduate school. The skills and concepts are preparation for careers with:
- governmental agencies such as the Environmental Protection Agency and state game and fish departments
- K-12 education, colleges and universities
- nongovernmental organizations such as The Nature Conservancy and Conservation International
- private companies focused on environmental resources, environmental law or environmental economics

The concentration can provide training in specific skills that might be needed in these areas:
- animal and plant physiology, identification and ecology
- behavioral ecology and population biology
- community, ecosystem and landscape ecology
- conservation of endangered species
- ecology of different habitats, including cities, lakes, rivers and grasslands
- restoration of degraded ecosystems

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu/
LSA 189
sols.advising@asu.edu
480-727-6277

\section*{Biological Sciences (Genetics, Cell and Developmental Biology), BS (LABSCGBS)}

Campus: Tempe

\section*{Program Description:}

The BS degree program in biological sciences with a concentration in genetics, cell and developmental biology integrates the study of three exciting, closely related areas of life science research. Genetics examines the blueprints of life, such as DNA sequence and gene expression, while cell biology studies the machinery of life enclosed within the boundaries of cells. Developmental biology uses both genetics and cell biology to understand how genes and the environment interact to produce a whole new individual from a single cell as well as the various developmental changes that organisms undergo throughout life. The combined study of genetics, cell biology and development has resulted in a better understanding of many diseases and promises to prove even more important in the future.

This program is available as an accelerated degree program: https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science (https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 251 - Calculus for Life Sciences
or MAT 270 Calculus with Analytic Geometry I

Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biology (Biology and Society), MS
Biology, MS
Molecular and Cellular Biology, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select
where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students who pursue this concentration have a variety of career options. This degree provides the fundamental coursework necessary for admission into medical, dental, veterinarian, pharmacy or graduate schools or any of the health professions. There also are many employment opportunities that can be pursued upon receipt of the Bachelor of Science with this concentration:
- animal breeder technician
- bioinformaticist
- biotechnologist
- cell culture specialist
- cloning technician
- crime lab technician
- cytotechnologist
- drug design technician
- food and drug inspector
- genetic counselor
- histologist
- in-vitro fertilization technician
- plant improvement specialist
- teacher
- technical writer
- vaccine development technician

Students in this concentration program learn critical-thinking skills that can be applied to many scientific problems and professions as well as to the challenges of daily life. Students are encouraged to engage in independent research projects or internship opportunities in order to develop a better sense of how science is done.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
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https://sols.asu.edu/
LSA 189
sols.advising@asu.edu
480-727-6277

\section*{Biological Sciences (Neurobiology, Physiology and Behavior), BS (LABSCABS)}

Campus: Tempe

\section*{Program Description:}

The neurobiology, physiology and behavior concentration serves students in the biological sciences BS degree program with a broad yet rigorous education. While it might seem that physiology and behavior are quite separate fields, the two interact extensively in living organisms to achieve common goals. By studying behavior and physiology from the perspectives of molecular and cellular biology, evolution, organ systems (neural, endocrine, cardiovascular, respiratory, immune, etc.) and the environment, the concentration in physiology and behavior provides insight into how these aspects work together in a variety of ways. Students in this concentration also learn to apply principles from mathematics, chemistry and physics. Discoveries are made at the laboratory bench and in the field, and students in the concentration are encouraged to participate in research projects in the labs of our faculty members.

This program is available as an accelerated degree program: https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science (https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science).

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 251-Calculus for Life Sciences
or MAT 270 Calculus with Analytic Geometry I

Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biology (Biology and Society), MS
Biology, MS
Molecular and Cellular Biology, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

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Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The broad education and critical-thinking skills students receive in this concentration are well suited for a variety of rewarding careers. Premedical, preveterinary and predental students get the background and courses needed for professional school application and beyond. Many students go on to graduate school for academic, teaching or research careers in areas such as:
- endocrinology
- environmental or behavioral physiology
-human physiology
- metabolism
- neurobiology
- social behavior

With a Bachelor of Science degree with this concentration, there are opportunities for technical positions in hospitals, research institutes and industry (food, dairy, chemical, pharmaceutical and biotechnology) as well as in government laboratories and agencies. The most important skills students learn in the concentration are critical-thinking and problem-solving skills that can be applied to many scientific problems and professions as well as to the challenges of daily life.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu/
LSA 189
sols.advising@asu.edu
480-727-6277

\section*{Biophysics, BS (LABIPHBS)}

Campus: Tempe

\section*{Program Description:}

Biophysics uses the methods and theories of physics to study biological systems. The BS in biophysics is a transdisciplinary program, providing students with a working understanding of the important principles of physics, chemistry and biology that govern all scales of biological organization, from the molecular processes of life to organisms and ecosystems.

\section*{Second Language Requirement: N}

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The broad range of applicability of the principles of biophysics gives great flexibility in a choice of career or further education including, but not limited to:
- chemical industries
- engineering
- government
- health care
- physics research
- teaching and other areas

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of Physics
https://physics.asu.edu/degree/biophysics
PSF 470
physics.undergrad@asu.edu
480-965-3561

\section*{Chemistry, BA (LACHMBA)}

Campus: Tempe

\section*{Program Description:}

Chemistry is concerned with the composition, properties and reactions of matter. The BA program in chemistry provides the fundamental knowledge and skills necessary to address scientific needs of society in transdisciplinary areas such as energy and sustainability, medicine and health, materials and nanoscience, geologic and biospheric science, frontiers of chemical measurement and fundamental molecular science.

The Bachelor of Arts degree in chemistry is a flexible option for students interested in a liberal arts degree with a strong grounding in physical science. It is ideal for students seeking to complete two degrees. Students pursuing a bachelor's degree in chemistry have opportunities to explore interests in analytical, inorganic, organic and physical chemistry as well as biochemistry, geochemistry, solid-state and materials chemistry. Students wishing to pursue a scientific graduate degree should consider the BS in chemistry.

Additional Program Fee: Y
Second Language Requirement: Yes
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Secondary Education, BAE

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A solid undergraduate education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, with economics for sales and marketing careers, and with computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu
PSD 106
SMSadvising@asu.edu
480-965-7667
Chemistry, BS (LACHMBS)
Campus: Tempe

\section*{Program Description:}

Chemistry is concerned with the composition, properties and reactions of matter. The BS program in chemistry provides students the knowledge and skills necessary to address contemporary scientific challenges in transdisciplinary areas such as energy and sustainability, medicine and health, materials and nanoscience, geologic and biospheric science, frontiers of chemical measurement and fundamental molecular science.

Students complete coursework in the foundational chemistry disciplines of analytical, inorganic, organic and physical chemistry as well as biochemistry as part of a curriculum approved by the American Chemical Society. This degree is appropriate for further study of chemistry or other physical sciences in graduate school or for scientific careers.

\section*{Additional Program Fee: Y}

Second Language Requirement: \(N\)
First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with: Biochemistry (Medicinal Chemistry), MS
Nanoscience, PSM
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

General University Admission Requirements:
All students are required to meet general university admission requirements.
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\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A solid undergraduate program of education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers, and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu
PSD 106
SMSadvising@asu.edu

\section*{Chemistry (Environmental Chemistry), BS (LACHMEBS)}

Campus: Tempe

\section*{Program Description:}

The BS in chemistry with an environmental chemistry concentration is a transdisciplinary degree program that combines training in the traditional disciplines of chemistry with related environmental sciences courses from geology, mathematics and physics. Discoveries of new materials, processes and solutions to problems such as pollution control and climate change depend upon a thorough grounding in this area of science.

This program prepares students to become scientists and leaders in solving environmental problems and serves as excellent preparation for a career in environmental science or further study of physical sciences in graduate school.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A solid undergraduate program of education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training. Students planning to work in areas related to the environment will find the environmental chemistry concentration especially appropriate.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Molecular Sciences
https://sms.asu.edu
PSD 106
SMSadvising@asu.edu
480-965-7667

\section*{Civic and Economic Thought and Leadership, BA (LACELBA) \\ Campus: Tempe}

\section*{Program Description:}

The BA program in civic and economic thought and leadership inspires and prepares the next generation of leaders through transdisciplinary study in political philosophy, economic thought, political and intellectual history, and American political thought and constitutionalism, combined with practical leadership experiences and the study of leadership and statesmanship. The degree program examines broad and fundamental concepts and questions across human civilization and the challenges of leadership and statesmanship in the 21 st century world. Coursework is augmented by an internship experience, access to world-class scholars and intellectuals in the public affairs and speakers program, and contact with visiting Fellows. The multifaceted perspective and comprehensive educational resources of this degree program prepare students for graduate school, to compete for prestigious graduate scholarships, and for leadership roles in the public and private sectors. The result is a new breed of student who is uniquely positioned to address contemporary challenges through a traditional lens.

Additional Program Fee: N
Second Language Requirement: \(Y\)
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors.
Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

\section*{Transfer from an Arizona Community College:}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This rigorous program inspires and prepares students to lead and serve in civil society, public affairs or government. Students refine their ability to read closely, think analytically, write carefully and speak effectively. Internships provide the practical professional experience that employers desire. Some career paths students might pursue include business, campaign management, education, foreign service, journalism, law, political advising, national security affairs and public office.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Civic andEconomic Thought and Leadership
https://scetl.asu.edu
DISCVRY 213
scetl@asu.edu
480-965-0155

\section*{Communication, BA (LACOMBA)}

Campus: Tempe

\section*{Program Description:}

The BA degree program in communication at ASU's Tempe campus focuses on how message processes create, maintain and transform identities, relationships, workplaces and communities. This program provides a culturally based liberal arts focus with a second-language requirement. Such courses and activities will allow students to explore many fascinating questions, such as how messages can optimally advocate for a cause, sports team or organization, how people can communicate creatively in a variety of settings and styles, how valid messages differ from invalid messages, how and why cultural differences make communication difficult and why some topics are difficult to discuss and consistently lead to conflict.

Through rigorous coursework and rewarding applied experiences, graduates gain effective communication skills that are highly sought by employers. Students learn to write and speak effectively and are able to convey complex ideas simply. They are prepared for employment in communication-intensive fields or for graduate study.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Students who have attended ASU in the past and are returning to the university with transfer credit must have a minimum 2.00 ASU cumulative GPA in order to be admitted into the Hugh Downs School of Human Communication.

Transfer Admission Requirements:
Students who are transferring into ASU must meet current university admission requirements.

\section*{Change of Major Requirements:}

Current ASU students who would like to change their major to Communication must have at least a 2.00 cumulative GPA. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program often attend leading graduate schools in communication, law or business or find gainful employment in careers in the areas of:
- campaign management
- counseling
- entrepreneurism
- event planning
- health care management
- human resource management
- intercultural relations
- marketing
- nonprofit management
- public relations
- sales

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Hugh Downs School of Human Communication
https://humancommunication.clas.asu.edu
STAUF 412
communication@asu.edu
480-965-5095

\section*{Communication, BS (LACOMBS)}

Campus: Tempe, Online

\section*{Program Description:}

The BS program in communication at ASU's Tempe campus focuses on how message processes create, maintain and transform identities, relationships, workplaces and communities. This degree program provides a liberal arts grounding and a social science focus. Such courses and activities will allow students to explore many fascinating questions, such as:
- In what ways can messages convince people to eliminate negative health behaviors?
-When, how and why do cultural differences make it difficult communicate?
-Why are some topics difficult to discuss and consistently lead to conflict?
-Why do people differ in how committed they are to their work?
-Why do some relationships flourish while others fade away?

Through rigorous coursework and rewarding applied experiences, graduates gain effective communication skills that are highly sought by employers. Students learn to write and speak effectively and to convey complex ideas simply, preparing them for employment in a variety of career fields or for graduate study.

\section*{Additional Program Fee: N}

\section*{Second Language Requirement: N \\ First Required Math Course: MAT 142-College Mathematics \\ Program Math Intensity: General}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Students who have attended ASU in the past and are returning to the university with transfer credit must have a minimum 2.00 ASU cumulative GPA in order to be admitted into the Hugh Downs School of Human Communication.

Transfer Admission Requirements
Students who are transferring into ASU must meet current university admission requirements.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-

\section*{Change of Major Requirements:}

Current ASU students who would like to change their major to communication must have at least a 2.00 cumulative GPA. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

Graduates of the program often attend leading graduate schools in communication, law or business schools, or find gainful employment in careers in the areas of:
- campaign management
- counseling
- entrepreneurism
- event planning
- health care management
- human resource management
- intercultural relations
- marketing
- nonprofit management
public relations
- sales

\section*{Contact Information:}

\section*{Computational Mathematical Sciences, BS (LACMSBS)}

Campus: Tempe

\section*{Program Description:}

New technologies, from smartphones to DNA sequencers, are changing the way people live, and the science behind these innovations owes a lot to computational mathematics.

This cutting-edge bachelor's degree program is a fusion of mathematics, science and computing. Students in the BS program in computational mathematical sciences learn how to translate problems in science and engineering into mathematical problems and solve them using computing algorithms. They develop strong problem-solving, analytical and programming skills as they work across diverse areas of science and mathematics.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Mathematics, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)

Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

In a recent study, mathematics, computer science, applied mathematics and statistics all ranked among the top 15 most valuable college majors in terms of salary and career prospects. The computational mathematical sciences program brings all these disciplines together.

A bachelor's degree in computational mathematical sciences is one of the most versatile math degrees, offering students many career options. The degree positions students for careers in computer technology, business, medical research, teaching and education, engineering and more. Some students pursue graduate opportunities in areas such as biophysics, economics, medicine, statistics and law. Diverse areas of study such as cancer modeling, weather forecasting and financial modeling all involve computational mathematical sciences.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu/
WXLR A211
math@asu.edu
480-965-7195

\section*{Earth and Environmental Studies, BA (LAEESBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in earth and environmental studies provides a foundational understanding of the evolution of the earth system with an emphasis on the planetary context for sustainable human societies. The degree program includes broad training in the physical sciences, especially processoriented geosciences that focus on Earth's life-sustaining surface environment. Advanced courses focus on topics including:
- climate change
- Earth's water, energy and material resources
- impact of land-use change on human civilization
- physical, chemical and biological process interactions that define Earth's evolution

This is designed as a liberal arts program with an emphasis on basic scientific literacy, not as a preparatory degree program for graduate study in the natural sciences. However, successful earth and environmental studies graduates are well prepared for green energy career opportunities such as:
- education
- environmental reporting
- natural resource management
- public planning
- sustainability

Additional Program Fee: Y
Second Language Requirement: Yes
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Transfer from another state:

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Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

With a breadth of knowledge and experience and the acquired skills to integrate various domains of knowledge, graduates of the earth and environmental studies program are prepared for a variety of careers that help find solutions to tomorrow's environmental and sustainability challenges. Chief among these are careers in the following settings:
- consultancy
- education
- governmental agencies
- industry
- museums
- nongovernmental organizations
- nonprofit organizations
- publishing
- regulatory agencies
- utilities

Recent environmental awareness in business and government has also resulted in new employment opportunities (e.g., environmental coordinators, directors and managers). Graduates are also well-prepared for admission to strong professional schools in fields outside the natural sciences.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795
sese-advising@asu.edu
480-965-5081

\section*{Earth and Space Exploration, BS (LASESBS)}

Campus: Tempe

\section*{Program Description:}

The BS program in earth and space exploration offers students an integrated education across earth sciences, planetary sciences, astrophysics and engineering. The degree program incorporates a learning community that includes science and engineering students, a yearlong collaborative capstone senior exploration project and strong quantitative preparation.

This strong foundation in geosciences, astrophysics and exploration engineering prepares students for key roles in:
- earth resources and exploration
- environmental and geologic engineering
- space research and industry
- water and environmental use policy

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
or MAT 270 Calculus with Analytic Geometry I

Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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\section*{Change of Major Requirements:}

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\section*{Career Opportunities:}

The earth and space exploration major addresses critical future shortfalls in the national and regional training of the next generation of geoscientists and aerospace engineers. Arizona has an expanding space industry with major new investments and is prepared to engage new technologies to monitor and understand environmental issues in Arizona, the Southwest and throughout the world. Students who major in earth and space exploration will have the tools, knowledge and understanding to address key problems of a global nature, whether they are working in the private or public sector.

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https://sese.asu.edu
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480-965-5081

\title{
Earth and Space Exploration (Astrobiology and Biogeosciences), BS (LASESABBS)
}

Campus: Tempe

\section*{Program Description:}

Astrobiology studies the origins, evolution, distribution and future of life in the universe. Biogeoscience focuses on the interaction of biological and geological processes on Earth at present and in the geologic past. These topics are closely related because the concepts of biogeoscience inform the study of planetary habitability and the search for habitable worlds. Therefore, the astrobiology and biogeoscience concentration in BS program in earth and space exploration is designed to offer students a strong foundation for exploring the interaction of geological and biological processes, how such interactions sustain life on Earth, and how they might operate on other planets. This scientific background is needed to contribute to the search for life on other planets as well as the exploration of extreme environments here on Earth. It also provides training in the interplay of forces that impact global change.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 265 - Calculus for Engineers I
or MAT 270

Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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\section*{Career Opportunities:}

Students in the astrobiology and biogeosciences program are well-prepared for graduate studies in this field. Because astrobiology is increasingly the motivation for NASA exploration missions, they are also well-suited for entry-level careers at NASA research centers. The degree program also provides broad training across a range of science fields, giving students a strong background for careers in biomedical, environmental or sustainability areas.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
ISTB4 795

\section*{Earth and Space Exploration (Astrophysics), BS (LASESABS)}

Campus: Tempe

\section*{Program Description:}

The BS in earth and space exploration with a concentration in astrophysics is designed to offer students a fundamental grounding in astronomy and astrophysics, with exposure to the related fields of geology, planetary science and engineering. Students emerge from this program with the skills to pursue a career in astrophysics, physics or related fields.

The rigorous coursework includes a combination of physics courses taught in the School of Earth and Space Exploration and the Department of Physics. Students should graduate from the program with the ability to compete at the national level on standardized physics exams. The tools of astronomical discovery are increasingly dependent on technological advances so students will be exposed to engineering principles. Through the capstone project in the senior year, students gain valuable experience in translating science drivers into engineering solutions.

Additional Program Fee: \(Y\)
Second Language Requirement: N
First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
or MAT 265 Calculus for Engineers I

Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
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Transfer from another state:

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Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities include but are not limited to:
- aerospace engineer
- astrobiologist
- astronomer
- computer programmer
- data analyst
- instrumentation specialist
- planetary scientist
- science policy intern
- science writer
- teacher
- telescope operator

Career settings include:
- federal government
- K-12 schools
- manufacturing
- museums
- NASA facilities
- national laboratories
- NSF facilities
- observatories
- planetariums
- publishing
- space industries
- universities and colleges

Some of the listed careers may require advanced degrees or additional certifications. This program also provides suitable preparation for graduate study.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Earth and Space Exploration
https://sese.asu.edu
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sese-advising@asu.edu
480-965-5081

\section*{Earth and Space Exploration (Exploration Systems Design), BS (LASESESDBS)}

Campus: Tempe

\section*{Program Description:}

The BS program in earth and space exploration with a concentration in exploration systems design offers students a fundamental curriculum in geology, physics and astrophysics while providing tools that enable them to design and build hardware and software to achieve specified scientific goals.

At the heart of the program is a sound grounding in the fundamentals of physics, mathematics and chemistry. Upon that foundation, students explicitly tackle issues concerning hardware design and instrument assembly and, ultimately, how to knit these components together when
conceiving the requirements needed for a mission or project destined for space or another planet.

As part of this degree program, each student has the opportunity to learn how projects and missions are designed and planned, starting with the scientific drivers and then defining engineering specifications. All students are expected to complete a senior project that takes a desired scientific measurement and realizes the technological solution to achieve the observation.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
or MAT 270 Calculus with Analytic Geometry I

Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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Transfer from another state:

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\section*{Career Opportunities:}

Career opportunities include:
- astronomer
- geoscientist
- planetary scientist
- science policy intern
- science writer
- scientific instrumentation specialist
- space systems engineer
- systems engineer

Sample career settings include:
- aerospace industry
- federal government
- manufacturing
- NASA centers
- national laboratories
- observatories
- publishers
- space industries
- universities and colleges

Some of the listed careers may require advanced degrees or additional certifications. This program also provides suitable preparation for graduate study.

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https://sese.asu.edu
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480-965-5081

\section*{Earth and Space Exploration (Geological Sciences), BS (LASESGSBS)}

Campus: Tempe

\section*{Program Description:}

Geological science is the study of the Earth and other planets with an emphasis on the processes that have shaped them since the origin of the solar system. Students explore topics such as the co-evolution of life, oceans, atmosphere and the Earth's climate system, and the record of that evolution encoded in rocks, soil, ice and isotopes

The BS program in earth and space exploration with a concentration in geological sciences educates students in the fundamentals of the geological sciences, providing a solid background in chemistry, mathematics and physics as well as transdisciplinary training in engineering, astronomy and planetary science

Students gain a strong understanding of field methods as well as modern computing, remote sensing and instrumentation in order to effectively study the natural environment and Earth's resources. Graduates of the program can apply their knowledge for the benefit of Arizona, the nation and society in general.
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Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 265-Calculus for Engineers I
or MAT 270 Calculus with Analytic Geometry I

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Program Math Intensity: Substantial

\section*{Admission Requirements:}

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\section*{Career Opportunities:}

Sample careers include:
- environmental geologist
- geological engineer
- geologist
- mining geologist
- petroleum geologist
- science policy intern
- science writer

Sample career settings include:
- environmental industry
- geotechnical industry
- mining and petroleum industries
- museums
- publishers

Some of the listed careers may require advanced degrees or additional certifications. This program also provides suitable preparation for graduate study.

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ISTB4 795
sese-advising@asu.edu
480-965-508

\section*{Economics, BS (LAECNBS)}

Campus: Tempe, Online

\section*{Program Description:}

The mission of the Department of Economics at ASU is to provide the highest quality instruction to students, conduct cutting-edge research in economics, and provide leadership and service to our professional communities. The department's undergraduate program aims to provide students with the critical-thinking and communication skills needed to succeed in business, government or graduate school.

The BS in economics is built on a strong core of economic theory, supplemented by mathematics and data analysis. All students are encouraged to develop programs of study tailored to their individual needs and interests. Students choose from a variety of courses within the department as well as from the College of Liberal Arts and Sciences and the university to broaden their knowledge and skills and individualize their learning experience.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
or MAT 270 - Calculus w/Analytic Geometry I

\section*{Program Math Intensity: Moderate}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/economics-bs-college-liberal-arts-and-sciences)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students who have sought careers following their undergraduate education have been very successful in business, consulting and government. Others have gone on to the best law schools in the country and top doctoral and MBA programs in the United States and abroad. Many graduates have won prestigious national awards, such as the Marshall Award, National Science Foundation fellowships, Fulbright fellowships and the Truman Award.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Economics Program in CLAS
https://wpcarey.asu.edu/economics-degrees/undergraduate
CPCOM 412
wpcareyecn@asu.edu
480-965-3531

\section*{Economics (Politics and the Economy), BS (LAECNPECBS) \\ Campus: Tempe}

\section*{Program Description:}

The concentration in politics and the economy serves undergraduate students in the BS program in economics who wish to pursue careers in business, economic and political consulting, political science, law and government. In addition to coursework drawn from economics, the concentration also requires coursework that highlights the impact of government policies on the economy and the conditions under which government interventions may be warranted. Students take political science courses that provide a deep understanding of political processes and institutions as well as methodologies for understanding that behavior.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
or MAT 270 Calculus with Analytic Geometry I

Program Math Intensity: Moderate

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Upon completion of the economics degree program with a concentration in politics and the economy, graduates are well-prepared for successful careers in business, economic and political consulting, law and government, whether they seek employment immediately upon graduation or they choose to pursue advanced degrees in law, business, economics or political science.

\section*{Contact Information:}

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Economics Program in CLAS
https://wpcarey.asu.edu/economics-degrees/undergraduate
CPCOM 412
wpcareyecn@asu.edu
480-965-3531

\section*{English, BA (LAENGBA)}

\author{
Campus: Online
}

\section*{Program Description:}

The BA degree program in English is offered completely online. This broad undergraduate program prepares students for an ever-expanding variety of careers or for continuing their studies in graduate and professional programs. Students supplement a core focused on critical reading and writing with courses chosen from literature, linguistics, creative and nonfiction writing, to develop a customized program of study.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-english?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from another state:

California(https://transfer.asu.edu/california)
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Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Degree programs in English and film and media studies prepare students for a variety of careers in diverse fields. Employers seek workers with strong writing and communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:
- business
- editing
- journalism
- law
- medicine
- nonprofit organizations
- professional and technical writing
- public relations
- publishing
- teaching
- Web content development

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/
RBH 170
englishadvising@asu.edu
480-965-3168

\section*{English (Creative Writing), BA (LAENGCBA)}

Campus: Tempe

\section*{Program Description:}

Undergraduate students can pursue BA degrees in English with concentrations in creative writing, linguistics, literature, secondary education, and writing, rhetorics and literacies. A bachelor's degree in English is also offered completely online.

Students in the creative writing concentration study and practice the art of writing poetry and fiction. The distinguished faculty in the Department of English are actively engaged in creative writing and scholarly research. Students gain practical experience through research and internships that prepare them for an ever-expanding variety of careers. The undergraduate programs also prepare students to continue their studies in graduate and professional programs

Additional Program Fee: \(N\)
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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\section*{Change of Major Requirements:}

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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Employers in all fields are always looking for individuals with strong writing and communication skills and the ability to think critically, skills that a BA in English with a concentration in creative writing provides. Some of the most common professions for English majors are in these fields:
- business
- editing
- journalism
- law
- medicine
- nonprofit community service
- professional writing
- public relations
- publishing
- teaching
- Web content development

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/ RBH 170 englishadvising@asu.edu 480-965-3168

\section*{English (Linguistics), BA (LAENGNBA)}

Campus: Tempe

\section*{Program Description:}

Undergraduate students can pursue BA degrees in English with concentrations in creative writing; linguistics; literature; secondary education; and writing, rhetorics and literacies. A bachelor's degree in English is also offered completely online.

Students in the linguistics concentration focus on study of the history and structure of language. Students have the opportunity to study with distinguished faculty actively engaged in scholarly research and gain practical experience through internships that prepare them for an everexpanding variety of careers. The program also prepares students to continue their studies in graduate and professional programs.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Teaching English to Speakers of Other Languages, MTESOL

Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and other communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:
- business
- journalism
- law
- medicine
- nonprofit community service
- professional writing and editing
- public relations
- publishing
- teaching
- Web content development

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/
RBH 170
englishadvising@asu.edu
480-965-3168

\section*{English (Literature), BA (LAENGTBA)}

Campus: Tempe

\section*{Program Description:}

Undergraduate students can pursue BA degrees in English with concentrations in creative writing; linguistics; literature; secondary education; and writing, rhetorics and literacies. A bachelor's degree in English is also offered completely online.

Students in the literature concentration study British, American and global literatures in English, from the earliest writings to the present.The distinguished faculty in the Department of English are actively engaged in creative writing and scholarly research. Students gain practical experience through research and internships that prepare them for an ever-expanding variety of careers. The undergraduate programs also prepare students to continue their studies in graduate and professional programs.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with English, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and other communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

\footnotetext{
- business
- journalism
- law
- medicine
- nonprofit community service
- professional writing and editing
- public relations
- publishing
- teaching
- Web content development
}

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/
RBH 170
englishadvising@asu.edu
480-965-3168

\section*{English (Secondary Education), BA (LAENGSEBA)}

Campus: Tempe

\section*{Program Description:}

Undergraduate students can pursue BA degrees in English with concentrations in creative writing, linguistics, literature, secondary education and writing, rhetorics and literacies. A bachelor's degree in English is also offered completely online.

The BA in English with a concentration in secondary education focuses on rigorous content in literature, composition, linguistics and secondary teaching pedagogy. This program provides extensive preparation for meeting the needs of all student populations, including attention to levels of academic performance and cultural and linguistic diversity. Students finish the program with Arizona Department of Education certification for middle and high school English language arts. Both a fingerprint clearance and a background check are required in the second year of the program.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)

Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students graduating with a bachelor's degree in English with a concentration in secondary education have tremendous opportunities for employment. With more than one million students in a state ranked seventh in the nation in population growth, the need for certified teachers in Arizona is self-evident. Arizona State University provides more of those teachers than any other institution of higher education. In the last 15 years, ASU graduates have had their pick of teaching jobs around the valley and around the state. After student teaching in school districts in the greater Phoenix area or in one of the 22 Native American nations in the state, students are often hired to teach in the same school in which they completed their internship. New teachers continue to be in demand because the predicted rate of population growth in Arizona is still strong and the retirement rate of teachers is increasing.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/
RBH 170
englishadvising@asu.edu
480-965-3168

\section*{English (Writing, Rhetorics and Literacies), BA (LAENGWBA)}

Campus: Tempe

\section*{Program Description:}

Undergraduate students can pursue BA degrees in English with concentrations in creative writing; linguistics; literature; secondary education; and writing, rhetorics and literacies. A bachelor's degree in English is also offered completely online.

The concentration in writing, rhetorics and literacies teaches students strategies for inquiry. Students explore the ways in which communication has, does and will create knowledge and action, and they study how communication is constructed, circulated, reacted to and repurposed through time and place. Through differing tools of inquiry, students investigate the history, theories and methods of inquiry as well as pragmatic and social actions of rhetoric, writing and literacies.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are vast for this concentration: in business, private companies, government, nonprofit organizations --- anywhere where critical inquiry, innovative thinking, communication, decision-making, future studies and collaboration are valued and needed. This program also prepares students for further education in teaching, law and other professional programs.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu
RBH 170
englishadvising@asu.edu
480-965-3168

\section*{Family and Human Development, BS (LAFASBS)}

Campus: Tempe, Online

\section*{Program Description:}

The BS degree program in family and human development focuses on the well-being of children, youth, and families. This program offers courses on the development of the individual and family throughout the lifespan. Students majoring in family and human development examine contemporary issues in society and how they impact families. Students also develop proficiency in written communication, computer skills, statistical analysis and research methodology.

Additional Program Fee: N

First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-family-and-human-development?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

As a liberal arts degree, the bachelor's degree in family and human development provides excellent preparation for future graduate work in:
- counseling
- family and developmental sciences
- law
- medicine
- social work

The program also prepares undergraduates for direct entry into positions in business, social service and government.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu
SS 144
email@thesanfordschool.org
480-965-6978

\section*{Film (Film and Media Studies), BA (LAFMSBA)}

\author{
Campus: Tempe, Online
}

\section*{Program Description:}

The BA in film with a concentration in film and media studies is an innovative program in the study of film, television and digital media. The program provides students with the analytical, creative and communication skills to interpret and produce media texts, empowering them to be critical scholars, consumers and practitioners of media culture.

Upon graduation, students are prepared for employment opportunities as executives, screenwriters, producers, reviewers, teachers, marketers, analysts and bloggers.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-film-and-media-studies?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Transfer from an Arizona Community College:
Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:
California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The film and media studies concentration provides undergraduates with skills that can be applied in a number of professional fields, including as leaders within these areas of the media and entertainment industries:
- creative management
- criticism
- development
- marketing
- regulation
- teaching

Some graduates of film and media studies have gone on to pursue graduate studies at prestigious universities, while others elect to begin their careers at the completion of their degree program.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of English
https://english.clas.asu.edu/node/267
RBH 170
englishadvising@asu.edu
480-965-3168

\section*{French, BA (LAFREBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in French offers the opportunity to study the language, literature and culture of France and francophone countries. Students gain competence in reading, writing, oral and aural skills in the French language and take a number of related courses on topics such as:
- art
- cinema
- colonization
- government and political science
- history and civilization
- international business
- linguistics
- literature and theater
- popular culture
- religion

Students are encouraged to join the French Club to help them gain proficiency in the language. In addition, the School of International Letters and Cultures offers faculty-directed summer study abroad programs in France and Quebec, Canada, and it endorses partnership and exchange programs in francophone Africa, Canada and Europe. More information on study abroad opportunities is available at https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages (https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages).

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.
Career fields and occupations using French include:
- advertising, marketing and communications
- airline industry
- cultural advising
- design
- diplomatic and foreign service
- domestic and international banking
- domestic and international business
- domestic and international law
- fashion
- film, television and multimedia
- foreign correspondence and journalism
- health professions
- hospitality industry
- hotel and resort management
- intelligence
- international education and study abroad
- interpreting and translation
- lifestyle management
- military
- ministry
- multilingual administration
- news and media
- nongovernmental organization administration
- public relations
- publishing
- social work
- teaching and research
- technology industries
- travel and tourism

Additional education or certification may be required for some career paths.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/44
LL 440
silcadvising@asu.edu
480-965-6281

\section*{Geographic Information Science, BS (LAGISBS)}

Campus: Tempe, Online

\section*{Program Description:}

The BS degree program in geographic information science focuses on the computational dimension of geographic information system technology. Students in the program learn:
- commercial and open source GIS and related software
- computational principles in GIS
- concepts in spatial thinking and geographic problem solving
- mathematical and statistical spatial modeling
- programming in multiple languages (e.g., Java, C++, and Python)

These essential programming skills combined with GIS knowledge form the basis for designing and implementing GIS software.

Additional Program Fee: \(Y\)

First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/geographic-information-science-bs)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Career opportunities are found in private and public sectors in the GIS and computer science worlds. In the private sector, students may find employment with top software development companies. Job activities range from designing desktop systems and implementing Web and mobile applications to developing workflow systems. Public sector job activities, such as with local or national governmental agencies, involve customizing desktop and project management systems as well as spatial models and systems, including both Web and mobile applications.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/bsgis
COOR 5671
geoplan.advising@asu.edu
480-965-7533
Geography, BA (LAGCUBA)
Campus: Tempe, Online

\section*{Program Description:}

The BA program in geography teaches students to see the world through the twin lenses of space and place.

Geographers have a unique spatial perspective in understanding the modern world, from global to local. The Bachelor of Arts program in geography emphasizes humanistic and cultural traditions. Students pursuing undergraduate studies in geography typically concentrate knowledge-building in understanding various cultural phenomena or in studying regions such as:
- Africa
- Asia
- Australia and Oceania
- Europe
- Latin America
- North America

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-geography?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Geographers obtain careers in:
- community development
- foreign service
- geodemographic analysis
- governmental organizations
- intelligence analysis
- international trade
- nongovernmental organizations
- public sector transportation planning
- teaching
- urban and regional planning

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning https://geoplan.asu.edu/degree-programs/undergraduate-degrees/geography COOR 5671
geoplan.advising@asu.edu
480-965-7533

\section*{Geography, BS (LAGCUBS)}

Campus: Tempe, Online

\section*{Program Description:}

Students in the BS program in geography learn to see the world through the twin lenses of space and place.

Geographers have a unique spatial perspective in understanding the modern world, from global to local. The Bachelor of Science program in geography emphasizes spatial patterns in natural science features such as:
- landforms
- plants
- water
- weather

The degree program also emphasizes social science or environmental science dynamics involving economic patterns, human populations and transportation.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-geography?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

With a focus on geospatial techniques, geographers with a bachelor of science degree go on to careers such as:
- computer cartographers
- environmental impact assessment analysts
- geographic information science specialists and analysts
geomorphologists
- hydrology and water resource specialists
- location analysts for businesses
- photogrammetry specialists
- remote sensing analysts

Graduates are presented with a host of other geospatial career options in the burgeoning fields of geographic information science, mapping and navigation systems.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/undergraduate-degrees/geography-0
COOR 5671
geoplan.advising@asu.edu
480-965-7533

\section*{Geography (Meteorology-Climatology), BS (LAGCUMBS)}

Campus: Tempe

\section*{Program Description:}

The meteorology-climatology concentration under the BS in geography is designed to meet the requirements for certification as a meteorologist by the National Weather Service. It covers dynamic as well as synoptic meteorology.

Required courses include:
- atmospheric physics
- operational weather forecasting
three semesters of calculus
- two semesters of calculus-based physics

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Substantial

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Journalism and Mass Communication, BA

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements
Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements
Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective General Studies requirements.

\section*{Transfer Agreements:}

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Pima Community College(https://transfer.asu.edu/tag)
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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

Students successfully completing the program have found employment with:
- airlines
- energy power companies
- government agencies
- military (meteorology and pilot training)
- National Weather Service

This program also provides suitable preparation for graduate study in either meteorology or climatology

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/undergraduate-degrees/geography-meteorology-climatology
COOR 5671
geoplan.advising@asu.edu
480-965-7533

\section*{Geography (Urban Studies), BS (LAGCUUBS)}

Campus: Tempe

\section*{Program Description:}

Geographers have a unique spatial perspective in understanding the modern world, from global to local, through the twin lenses of space and place.

The urban studies concentration under the BS program in geography applies the tools of geography to the study of urban areas. Students have an opportunity to focus in particular on the Phoenix metropolitan area and other rapidly urbanizing regions in arid climates. Tied with geographic information science, the urban studies major brings together both knowledge and skill sets in a powerful way.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https:///students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students successfully completing the BS program in geography with a concentration in urban studies pursue employment with city planning agencies as well as other government entities at various levels (county, state, federal). The urban studies concentration, especially when combined with a focus on geographic information science, gives graduates an advantage in careers that combine urban planning with GIS and in other jobs dealing with urban issues, including:
- economic development planning
- GIS databases for city governments
- housing issues
- sustainable planning
- transportation

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/undergraduate-degrees/geography-urban-studies
COOR 5671
geoplan.advising@asu.edu
480-965-7533

\section*{German, BA (LAGERBA)}

Campus: Tempe

\section*{Program Description:}

Students in the BA program in German study the language, literature and culture of German-speaking people and gain a respectable measure of competence in reading, writing, oral and aural skills in the German language. Students broaden and deepen their studies with related courses on topics such as:
- art
- government
- history
- international business
- linguistics
- literature and culture
- religion

Students are encouraged to study abroad in Germany as participants in the School of International Letters and Cultures faculty-directed summer program in Regensburg or in one of the academic-year exchange programs available at several German universities. More information on study abroad opportunities is available at https://mystudyabroad.asu.edu (https://mystudyabroad.asu.edu/).

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from another state:

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\section*{Career Opportunities:}

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities. Language-intensive careers include:
- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields in which knowledge of multiple languages and cultures is valued include:
- advertising, marketing and communications
- airline industry
- film, television and multimedia
- hospitality industry
- hotel and resort management
- international education and study abroad administration
- international law
- lifestyle management
- military
- ministry
- public relations
- publishing
- technology industries

Additional education and certification may be required for some career paths.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/degrees/german
LL 440
silcadvising@asu.edu
480-965-6281

\section*{Global Health, BA (LASSHBA) \\ Campus: Tempe, Online}

\section*{Program Description:}

The BA in global health is a transdisciplinary degree program designed for students who seek a broad and flexible set of skills for understanding contemporary health challenges and thinking about how they might best be solved. Global is understood in the anthropological sense, meaning ways of understanding and addressing disease, health and well-being that can incorporate all cultures, places and time and that can integrate knowledge of health's social, historical, biological and ecological dimensions.

The curriculum emphasizes the development of core skills in critical thinking, problem-solving and the importance of direct experience (research, study abroad, service learning and advocacy). The program cultivates capacities to deal with any complex problem with social components: how to identify the critical issues, ask the right questions and create solutions that are meaningful and effective.

Students are required to participate in an approved global health study abroad program.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Global Health, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-global-health?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high and growing for graduates with skills. The major supports the goals of those pursuing careers in academic research, teaching and health services. Sample employment venues include:
- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:
- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations (such as migrants, minorities and those living in poverty), and many of these jobs are directly or indirectly related to health.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Human Evolution \& Social Change
https://shesc.asu.edu
SHESC 233
shesc.undergrad@asu.edu
480-965-6215
Global Studies, BA (LASGSBA)
Campus: Tempe, Online

\section*{Program Description:}

The BA program in global studies examines the causes and consequences of problems that cross national boundaries and the governance of these problems in social, cultural and economic contexts. The degree program aims to address real-world problems and their solutions. This mission is enabled by an internationally recognized faculty that has extensive global experience from a wide variety of disciplines in the social sciences, humanities and law. The global studies program uses teaching, research and public policy activities to address some of the most challenging issues that include:
- built environments
- economic and social development
- global cities and urbanization
- global governance of health and climate change
- justice and human rights
- religious identities, rights and conflicts
- world culture

Global studies faculty members orient their work toward solving global problems by drawing on expertise in diverse disciplines, including:
- anthropology
- economics
- geography
- history
- law
- planning
political science
- sociology

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Political Science, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/global-studies-ba)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

A global studies degree prepares students for professional and graduate training (including law, business and public policy) while providing broad foundational knowledge for future decision-makers in government, business and policy entities.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://pgs.clas.asu.edu/
COOR 6797
spgs@asu.edu
480-965-8563

History, BA (LAHISBA)
Campus: Tempe, Online

\section*{Program Description:}

Students pursuing the BA in history study the growth and development of human society from political, social, economic and cultural perspectives. Students learn to craft stories from materials other people have left behind --- constitutions, land deeds, diaries, guns and bones. They learn to make decisions about what to investigate, about whom to believe, about what happened first, and about why things fell apart or came together.

History is a discipline that constantly adopts new techniques of analysis and new ways of gathering and presenting information. Students of history learn to use and create digital media, to perform quantitative as well as qualitative analysis, and to present their findings in compelling ways to all kinds of audiences.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with History, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-history?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)

Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

History majors are in demand. They know how to find and evaluate evidence, form arguments and present analysis --- skills essential to most careers including law, business, education, medicine and government

Three out of four employers surveyed by the Association of American Colleges and Universities say they want colleges to place more emphasis on helping students develop five key learning outcomes: critical thinking, complex problem-solving, written communication, oral communication and applied knowledge in real-world settings. These learning outcomes are integral elements of an undergraduate degree in history.

History majors seek jobs in:
- business and industry
- communications
- education
- foreign service
- law enforcement
- museums
public administration
- social services

History is an excellent foundation for graduate and professional studies in:
- business
- history
- justice studies
- law
- medicine
- public administration
public history
theology

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/163
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

\section*{History (Secondary Education), BA (LAHISSEBA)}

Campus: Tempe

\section*{Program Description:}

The secondary education concentration within the BA in history offers a flexible degree for students who are considering a career in education. The concentration program fully prepares students for teaching and certification. At the same time, the concentration provides all the disciplinary knowledge of a traditional history degree and prepares students for a variety of noneducation careers. By developing strong critical reading, writing and research skills as well as skills in oral presentation, the program creates a solid foundation for graduate work in history, law or business.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The combination of courses within the secondary education concentration offers a broad education that prepares students for careers in a variety of fields, including:
- business and industry
- education
- law enforcement
- public history
- publishing
- social work

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/166
COOR 3307
shprsadvising@asu.edu
480-965-8364

\section*{Integrated Studies, BA (LAISTBA)}

Campus: Tempe

\section*{Program Description:}

The integrated studies program is a unique and highly focused individualized plan of study for students whose academic interests are not served by more traditional disciplinary pursuits. Developed for academically superior students whose interests lie beyond established departmental emphases and boundaries, the integrated studies program provides students the opportunity to work one-on-one with faculty mentors to create a personalized and individually tailored BA plan.

Students who are approved to develop an integrated studies major will pursue a focused and coherent course of study that draws its curricula from more than one academic department or college.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Some courses of study require more intensive mathematics coursework to meet prerequisites for certain classes.

\section*{Program Math Intensity: Genera}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Not available to freshmen. There is an additional application for this degree. Admissions consist of completion of 32 credit hours at ASU with a GPA of at least 3.25 and three letters of recommendation from ASU faculty members. For more information, students should contact the senior director for advising and retention, Office of Student and Academic Programs, Futures Center, Armstrong Hall, Suite 112

\section*{Change of Major Requirements:}

This degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25 and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in the College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling (480) 965-6506.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The professional and vocational opportunities provided by the integrated studies major depends on the area of concentration and the particular focus of study. The integrated studies major shares with all other liberal arts and sciences programs in the goal of developing students' analytical abilities and communication skills. The program combines breadth of learning across multiple disciplinary contexts with an appropriate depth in a focused area of inquiry. Integrated studies graduates are prepared to enter the work force or pursue graduate or professional studies at the completion of their undergraduate program.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Dean, College of Liberal Arts and Sciences
https://clas.asu.edu/content/integrated-studies
ARM 112
clas@asu.edu
480-965-6506

\section*{Integrated Studies, BS (LAISTBS)}

Campus: Tempe

\section*{Program Description:}

The integrated studies program is a unique, highly-focused, individualized plan of study for students whose academic interests are not served by more traditional disciplinary pursuits. Developed for academically superior students whose interests lie beyond established departmental emphases and boundaries, the integrated studies program provides students the opportunity to work one-on-one with faculty mentors to create a personalized and individually tailored BS plan.

Students who elect and are approved to develop an integrated studies major pursue a focused and coherent course of study that draws its curricula from more than one academic department or college.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics

Some courses of study require more intensive mathematics coursework to meet prerequisites for certain classes.

Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Not available to freshmen. There is an additional application for this degree. Admissions consist of completion of 32 credit hours at ASU with a GPA of at least 3.25 and three letters of recommendation from ASU faculty members. For more information contact the senior director for advising and retention, Office of Student and Academic Programs, Futures Center, Armstrong Hall, Suite 112.

\section*{Change of Major Requirements:}

This degree program is only for students who have earned at least 32 graded credit hours at ASU, who have a minimum cumulative GPA of 3.25 and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet these qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs in the College of Liberal Arts and Sciences to discuss the possibility of being allowed to pursue this opportunity. Appointments may be scheduled by calling (480) 965-6506.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

The professional and vocational opportunities provided by the integrated studies major depend on the area of concentration and the particular focus of study. The integrated studies major shares with all other liberal arts and sciences programs the goal of developing students' analytical abilities and communication skills. The program combines breadth of learning across multiple disciplinary contexts with an appropriate depth in a focused area of inquiry. Integrated studies graduates are prepared to enter the work force or pursue graduate or professional studies at the completion of their undergraduate program.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Dean, College of Liberal Arts and Sciences
https://clas.asu.edu/content/integrated-studies-0
ARM 112
clas@asu.edu
480-965-6506

\title{
International Letters and Cultures, BA (LASLCBA)
}

Campus: Tempe

\section*{Program Description:}

The BA in international letters and cultures is a degree grounded in the advanced study of at least one foreign language. It is more transcultural and transdisciplinary than a traditional languages and literature degree program and is designed to encourage students to explore and challenge the traditional boundaries of cultures, texts and disciplines. Students work closely with faculty and advisors to choose a program that combines study and research in a minimum of two cultures or disciplines, or in both.

Students must meet with an advisor in the School of International Letters and Cultures to discuss this degree option; it is not recommended for firstyear students.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College

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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities. Language-intensive careers include:
- foreign correspondent and media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator and interpreter
- travel professional

Career fields and occupations using languages include:
- advertising, marketing and communications
- airline industry
- film, television and multimedia
hospitality industry
- hotel and resort management
- international education and study abroad administration
international law
- military
- ministry
- public relations
- publishing
- technology industries

Additional education and certification may be required for some career paths.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/47
LL 440
silcadvising@asu.edu

\section*{International Letters and Cultures (Arabic Studies), BA (LASLCASBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in international letters and cultures with a concentration in Arabic studies provides critical and cultural diversity in advanced Arabic language and literature that enriches ASU students' undergraduate experience; helps them gain a broad knowledge and understanding of the culture, literature and traditions of the vast Arabic-speaking world; and prepares them for the job market. The Arabic studies concentration benefits students interested in academic research and careers in public and diplomatic service as well as in national security. This concentration complements existing degree programs in the School of International Letters and Culture and enhances studies in social science disciplines such as political science and global studies, and in humanities fields including anthropology, history, philosophy and religious studies.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The international letters and cultures concentration in Arabic studies provides greater insight into the vast Arab world of 22 countries and can lead to career opportunities in areas such as journalism, translation, international consultations, government (e.g., the U.N. and CIA), social work, law and health.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/content/arabic
LL 440
silcadvising@asu.edu
480-965-6281

\section*{International Letters and Cultures (Classical Civilization), BA (LASLCVBA)}

Campus: Tempe

\section*{Program Description:}

Classics is a transdisciplinary field that includes the study of the literature, art, history and philosophy of the ancient Greeks and Romans, subjects which fueled the Renaissance and have continued to provide an intellectual foundation for innovative and influential people ever since.

ASU's BA program in international letters and cultures with a concentration in classical civilization provides a thorough grounding in the culture and history of the ancient Greeks or Romans while allowing students to satisfy their language requirement. The degree begins with two cores: an introduction to ancient Greek and Roman literature (read in English translation) and knowledge of ancient history. With that basis, students are allowed to build a program to meet their needs and interests. Among the variety of topics students pursue are:
- ancient history, war, politics and economics
- archaeology of the ancient Mediterranean world
- art and architecture of the ancient Egyptians, Greeks and Romans
- mythology and religious practices of the Greeks and Romans
- thought of figures such as Plato, Aristotle and Lucretius
- use of the classics in today's film, books and other media

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

College graduates with a degree in classical civilization have the valuable experience of studying a culture very different from, and yet lying at the root of, the modern world. This gives them a perspective that serves them well in a variety of disciplines. Classical civilization graduates may consider careers in:
- business
- film, television or multimedia
- K-12 education
- law
- public service
- writing and editing (fiction, journalism, technical writing)

Additional education may be required for some career fields.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/46
LL 440
silcadvising@asu.edu
480-965-6281
International Letters and Cultures (Classics), BA (LASLCCBA)
Campus: Tempe

\section*{Program Description:}

Classics is the study of the literature, art, history and philosophy of the ancient Greeks and Romans --- a transdisciplinary field that fueled the Renaissance and that has continued to provide an intellectual foundation for innovative and influential people ever since.

The BA program in international letters and cultures with a concentration in classics begins with two cores: language skills in ancient Greek or Latin (or, if the student chooses, both) and knowledge of ancient history. With that basis, students build a program to meet their needs and interests. Among the variety of topics students pursue are:
- ancient history, war, politics and economics
- literary classics such as Homer, Sophocles, Virgil and Ovid
- the archaeology of the ancient Mediterranean world
- the art and architecture of the ancient Egyptians, Greeks and Romans
- the mythology and religious practices of the Greeks and Romans
the thought of figures such as Plato, Aristotle and Lucretius
- the use of the classics in today's film, books and other media

In addition to the concentration in classics, ASU also offers a classical civilization concentration with a similar focus but different language requirements. Students should consult their advisor and choose the concentration that best meets their needs.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)

Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

College graduates with a degree in the classics have developed skills in research and the precise use and analysis of language that will serve them well in a wide range of fields. The transdisciplinary study of a culture very different from the modern world, yet lying at the root of it, also fosters a student's ability to view issues from many angles and think critically about them. Classics graduates often find careers in:
- business
- Christian ministry
- film, television and multimedia
- law
- politics
- education
- writing and editing (fiction, journalism, technical writing)

As many employers are well aware, a classics graduate has the training to solve difficult puzzles, to see through obscure language, and to conduct rigorous research on often ill-defined problems. These skills are prized in any field of endeavor.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/49
LL 440
silcadvising@asu.edu
480-965-6281
Italian, BA (LAITABA)
Campus: Tempe

\section*{Program Description:}

The BA program in Italian offers students an opportunity to study the literature and culture of Italy while gaining a respectable measure of competence in reading, writing, oral and aural skills in the Italian language. Students broaden their knowledge by completing a number of related courses on topics such as:
- art
- film
- government
- history
- literature and culture
- religion

Faculty-directed summer programs in Italy are available for students who wish to study the language and culture while living in the country. Study abroad programs in various cities in Italy are also available during the academic year.

More information on study abroad opportunities may be found at https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-programpages (https://silc.asu.edu/student-life/study-abroad/faculty-directed-summer-program-pages).

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://students.asu.edu/freshman/requirements)
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\section*{Change of Major Requirements:}

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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities. Language-intensive careers include:
- foreign correspondent and media professional
- foreign service officer
- health professional
- intelligence officer
international banking and finance professional
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator and interpreter
- travel professional

Career fields and occupations in which knowledge of diverse languages and cultures is valuable include:
- advertising, marketing and communications
- airline industry
- film, television and multimedia
- hospitality industry
- hotel and resort management
- intelligence
international business
- international education and study abroad administration
- international law
- lifestyle management
- military
- ministry
- public relations
- publishing
- technology industries

Additional education and certification may be required for some career paths.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/42
LL 440
silcadvising@asu.edu
480-965-6281

\section*{Jewish Studies, BA (LAJSTBA)}

Campus: Tempe

\section*{Program Description:}

The BA in Jewish studies offers a transdisciplinary, cross-cultural program of study focusing on the study of Judaism, defined as the civilization of the Jews. It considers Jewish history and modern life and facilitates enhanced cultural awareness and global perspective. As with other degree programs in the humanities, a bachelor's degree program in Jewish studies can provide a balance to studies in contemporary science and technology.

Students choose a thematic concentration from history and society, literature and culture, or religion and thought.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

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Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students who receive a bachelor's degree in Jewish studies and pursue a career with one of the hundreds of U.S. companies that do business in Israel will have a competitive edge because of their familiarity with Jewish culture. Jewish studies graduates are also prepared to:
- attend rabbinical seminary in preparation for becoming a community rabbi or chaplain
- engage in world political and economic issues
- pursue advanced education in Jewish professional service fields

The degree also provides a firm foundation for students who wish to pursue advanced degrees related to their area of interest in fields that may include:
- archaeology
- creative writing
- ethics
- film and media
- history
- journalism
- justice studies
- law
- philosophy
political science
- religious studies

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch

\section*{Justice Studies, BA (LAJUSBA)}

Campus: Tempe

\section*{Program Description:}

Justice studies is an innovative social science program examining current social justice issues, such as human rights, domestic violence and immigration, against a backdrop of legal systems, law and culture. The BA program in justice studies equips students with a dynamic knowledge of the world's justice systems and gives them the skills to create meaningful, real-world change.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with: Justice Studies, MS Science and Technology Policy, MSTP
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)

Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Many graduates go on to law school, graduate school or other professional degree programs. Students emerge from this program with knowledge and skills designed to bring social justice concerns to their professional careers. Our graduates work in a variety of fields, including:
- human welfare and social work
- law and law enforcement
- nongovernmental organizations
- other public service fields

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/justice-and-social-inquiry
WILSN 125
SSTadvising@asu.edu
480-965-7682

\section*{Justice Studies, BS (LAJUSBS)}

Campus: Tempe, Online

\section*{Program Description:}

Justice studies examines current social justice issues through analyzing the legal system, law and culture and how these impact society. In the BS degree program in justice studies, students use statistics and quantitative application skills to understand social justice issues in diverse settings. The skills gained allow students to create real-world change and think of innovative ways to combat issues, among other things, of human rights, domestic violence and immigration.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Justice Studies, MS
Science and Technology Policy, MSTP
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-justice-studies?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:
California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Many graduates go on to law school, graduate school or other professional degree programs. Students emerge from this program with the knowledge and skills designed to bring social justice concerns to their professional careers. Our graduates work in a variety of fields, including:
- advocacy
- human welfare and social work
- law enforcement and the legal system
- nongovernmental organizations
- other public service fields

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/justice-and-social-inquiry
WILSN 125

Mathematics, BA (LAMATBA)
Campus: Tempe

\section*{Program Description:}

Math is the science of problem-solving. Students in the BA degree program in mathematics apply the critical-thinking and problem-solving skills they learn to many endeavors, because math is a crucial component in engineering, life sciences, business, economics and social sciences. In the bachelor's degree program in mathematics, students acquire a strong general mathematics background, but retain the flexibility to pursue other areas of interest through a minor or even a second major. Combining a second area of study such as life science, physics, computer science or business creates a powerful combination for future career goals.

\section*{Additional Program Fee: Y}

Second Language Requirement: Yes
First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from an Arizona Community College:

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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Bachelor of Arts program in mathematics includes a foreign language requirement, making this an ideal option for students interested in careers in global business. It is also a top option for international students looking for a general math background. A Bachelor of Arts degree in mathematics can be the springboard for many different careers in fields such as:
- business management
- computer engineering
- financial analysis
- health care
- law
teaching

\section*{Contact Information:}

\section*{Liberal Arts \& Sciences, College of}

School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR A211
math@asu.edu
480-965-7195

\section*{Mathematics, BS (LAMATBS)}

Campus: Tempe

\section*{Program Description:}

The BS degree program in mathematics offers a grounding in both theoretical and applied mathematical concepts. Classes cover a broad spectrum of advanced mathematical topics, including number theory, cryptography and functional analysis. Students with a bachelor's degree in mathematics can pursue careers in fields as diverse as computer science, biotechnology, engineering, medical research and education.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Mathematics, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Mathematics is foundational and can be applied to many different types of careers. Math is a crucial part of engineering, life sciences, business, economics and social sciences. Many undergraduate math majors also pursue graduate studies in medicine or law. These are just a few of the top careers possible with a BS in mathematics:
- cryptographer
- engineer
- financial analyst
- mathematician
- operations research analyst
- statistician
- teacher

Students interested in a career in teaching or education may also consider the bachelor's degree in mathematics concentration in secondary education: https://math.asu.edu/content/mathematics-secondary-education (https://math.asu.edu/content/mathematics-secondary-education).

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR A211
math@asu.edu
480-965-7195
Mathematics (Secondary Education), BS (LAMATSBS)
Campus: Tempe

\section*{Program Description:}

School districts across the country are struggling with shortages of teachers, particularly in math. ASU's BS program in mathematics with a concentration in secondary education provides a new pathway for students interested in teaching. Students acquire strong content knowledge in diverse areas of math and the skills to convey these concepts to others. This degree program offers a deeper mastery of mathematics coupled with the ability to handle the challenges of a high school classroom

Students who wish to teach at the secondary level take courses preparing them to earn certification in the State of Arizona through this program. By providing a carefully designed curriculum of courses and instructional experiences the program develops the deep understandings and connections needed to be a highly effective mathematics teacher. Graduates emerge equipped to provide mathematics instruction that is coherent, meaningful and challenging.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag) Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The secondary education concentration provides its graduates the flexibility to apply their knowledge in a variety of ways. It combines the options of a bachelor's degree in mathematics and a bachelor's degree in education with choices ranging from teaching high school mathematics to jobs in diverse fields, such as:
- business
- finance
- industry
- technology

Students can also choose to pursue graduate studies in mathematics or mathematics education.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR A211
math@asu.edu
480-965-7195

\section*{Mathematics (Statistics), BS (LAMATTBS)}

Campus: Tempe

\section*{Program Description:}

In the BS program in mathematics with a concentration in statistics students learn innovative mathematical, computational and statistical methods to analyze data sets as well as how to use data in real-world applications. Using data analytics, students discover how to generate insights that inform fact-based decision-making. They use cutting-edge techniques to study and understand methods of statistical inference and explore strategies for dealing with uncertainty.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Transfer from an Arizona Community College:
Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Statistical analysis and data mining have been identified as two of the most desirable skills in today's job market. Based on factors like pay, growth and job satisfaction, statistics has been named in separate job reports as one of the best careers for millennials. Data and the analysis of data is big business, and the Department of Labor projects a 25 percent growth in the need for employees trained in data analytics. For students pursuing a bachelor's degree in mathematics with a concentration in statistics, that means an exciting future of career opportunities in fields as diverse as business, finance, engineering, technology, sports, marketing, government and other areas of the economy.

These are just a few of the top career paths you can pursue with a major in this bachelor's degree program:
- actuary
- data scientist
- financial analyst
- market research analyst
- software engineer
- sports statistician
- teacher or professor

Students also can combine statistics with other disciplines, such as business or economics, to enhance preparation for their personal career goals.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Mathematical and Statistical Sciences
https://math.asu.edu
WXLR A211
math@asu.edu
480-965-7195

\section*{Microbiology, BS (LAMICBS)}

\section*{Campus: Tempe}

\section*{Program Description:}

The BS program in microbiology combines the study of the branch of biology involving the smallest of living things (bacteria, fungi, algae, protozoa and viruses) and immunology (the study of all aspects of the immune system). Despite their small size, microbes are fundamental to life on Earth and compose the majority of all Earth's life forms. In addition to their essential contributions to the natural world, microbes have been model
experimental subjects due to their impact on human health and ease of manipulation in the laboratory. A significant portion of medical research employs microbiological and immunological methods in order to examine basic genetic and biological phenomena

This program is available as an accelerated degree program. Students can visit this website to learn more about accelerated degree programs: https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 251-Calculus for Life Sciences
or MAT 270 Calculus with Analytic Geometry I

Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with: Biology, MS
Molecular and Cellular Biology, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)

Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The microbiology degree program places emphasis on understanding microorganisms and their interrelationships with other organisms in nature and on the influence of microorganisms in biomedicine and biotechnology. Students in the microbiology degree program will study not only the background and current findings in the field of microbiology but also acquire the critical-thinking skills and the hands-on laboratory and field skills required to succeed in science. The major provides excellent training for premedical, predental, preveterinary and prepharmacy students as well as advanced study in microbiology and immunology.

The discipline of microbiology is diverse and the job opportunities for microbiologists are enormous. Graduates with a degree in microbiology have opportunities for employment in:
- government
- hospitals
- industrial laboratories (food, dairy, chemical, pharmaceutical, environmental and biotechnology companies)
- public health laboratories
- research laboratories

Many students are also suitably prepared for admission into graduate school and advanced study in these fields:
- dentistry
- medicine
pharmacy
- veterinary medicine

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Life Sciences https://sols.asu.edu/degree-programs/microbiology LSA 189
sols.advising@asu.edu
480-727-6277

\section*{Microbiology (Medical Microbiology), BS (LAMICMBS)}

Campus: Tempe

\section*{Program Description:}

The medical microbiology concentration serves students in the microbiology BS degree program who aim to pursue careers in health professions, medical microbiology or other areas of biomedical research.

The curriculum aligns with the scientific competencies recommended for premed students in a report of the American Medical Colleges and the Howard Hughes Medical Institute Committee and are also reflected in the 2015 changes to the MCAT. Coursework includes many of the courses in the microbiology major, including chemistry, biochemistry, math and physics, but some microbiology courses have been replaced with cell biology, animal physiology and courses that relate to human biology and society.

The concentration program emphasizes core concepts, competencies and critical intellectual skills necessary to succeed in medical school or biomedical research. The coursework that students need to prepare for the MCAT or medical school admission are included in the concentration.

This program is available as an accelerated degree program. Students can visit this website to learn more about accelerated degree programs: https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science

\section*{Additional Program Fee: \(Y\)}

Second Language Requirement: N

Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Biology, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Upon completing the bachelor's degree program in microbiology with a concentration in medical microbiology, students will have fulfilled the
majority of prerequisite requirements and mastered many of the competencies valued by graduate programs in medical, dental and optometry fields and by programs which prepare students to be physician assistants or physical therapists. Additionally, graduates of this program will have a practical understanding of the process of science, preparing them for a career in research. Students will have knowledge of foundational concepts in biological sciences, chemistry, physics and statistics as well as the ability to understand and apply core microbiology concepts. This will prepare students to enter research in a number of areas including, but not limited to, cellular biology, immunology, bacteriology and virology.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu/
LSA 189
sols.advising@asu.edu
480-727-6277

\section*{Molecular Biosciences and Biotechnology, BS (LAMBBBS)}

Campus: Tempe

\section*{Program Description:}

The BS program in molecular biosciences and biotechnology encompasses many of the cutting-edge disciplines in life sciences research. Biotechnology is an exciting, rapidly growing field with major applications in agriculture (green biotechnology, leading to improved crops or production of vaccines in plants), health care (red biotechnology, leading to better therapeutics, diagnostics and personalized medicine) and industry (white biotechnology, leading to sustainable production of energy, enzymes and chemicals).

This molecular biosciences and biotechnology degree program is differentiated from the other life sciences majors by its focus on the interface between molecular biology and biotechnology. The interface drives many major advancements in knowledge and in applied research and development, like the development of next-generation biomedical products or biofuels. Other hallmarks of this program are the focus on hands-on research and the capstone course with both science and business or entrepreneurial components.

This program is available as an accelerated degree program. Students can visit this website to learn more about accelerated degree programs: https://sols.asu.edu/degree-programs/accelerated-bachelor-master-science.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 251 - Calculus for Life Sciences
or MAT 270 Calculus with Analytic Geometry I

Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Biochemistry (Medicinal Chemistry), MS
Biology, MS
Molecular and Cellular Biology, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

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Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The molecular biosciences and biotechnology degree program provides an excellent background and training for a growing number of careers that incorporate this innovative area of the molecular life sciences. Independent research and courses with classroom plus lab components result in a solid base of knowledge and practical expertise in biotechnology and the molecular biosciences, providing many options for further education or for entering the workforce.

After graduation, many molecular biosciences and biotechnology students enter graduate programs in a molecular biosciences and biotechnologyrelated area. A number of students also enroll in medical school, other health-related professional programs or in other advanced programs. Students also have the knowledge and technical skills to enter the biotechnology workforce in an area matching their expertise and interest.

The molecular biosciences and biotechnology program has a faculty mentoring program which provides students with the opportunity to speak with faculty regarding career choices, selection and timeline of major courses and of independent research projects, and much more.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu/
LSA 189
sols@asu.edu
480-965-6899
Neuroscience, BS (LABMENBS)
Campus:

\section*{Program Description:}

Neuroscience is concerned with understanding the structure and function of the nervous system and their relation to behavior. The field spans all
levels of biological analysis with interfaces to many fields such as mathematics, law and engineering.

The BS degree program in neuroscience consists of rigorous, in-depth training in cellular, molecular, and systems biology. With this broad depth of fundamental knowledge, students gravitate toward different areas of specialization in neuroscience. Students are prepared for collaborative and interdisciplinary research and teaching positions in neuroscience. The degree program also enable students to enter biomedical fields that prepare students for careers in medicine, nursing or veterinary medicine and to integrate innovative outcomes from the research community into their practices.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 251 - Calculus for Life Sciences or MAT 265 or MAT 270

Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
This program is currently available only as a concurrent degree to ASU students pursuing other majors.

\section*{Change of Major Requirements:}

This program is currently available only as a concurrent degree to ASU students pursuing other majors. For more information on how to add this major as a concurrent degree program, students should contact the department or their academic advisor.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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\section*{Transfer from an Arizona Community College:}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree in neuroscience, especially when paired with complementary programs, prepares students for work in fields such as:
- academic research
- bioengineering
- biotechnology
- medical research
- medicine
- pharmaceutical research and development
- physical rehabilitation
- speech rehabilitation

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Life Sciences
https://sols.asu.edu
LSA 189
sols.advising@asu.edu
480-727-6277

\section*{Philosophy, BA (LAPHIBA)}

Campus: Tempe, Online

\section*{Program Description:}

The BA program in philosophy teaches students how to think well, which in turn lays the foundation for personal and professional success. Philosophy students learn how to structure arguments, write precisely and clearly, and communicate their ideas in an orderly, persuasive and unambiguous way. Many philosophical texts are complicated, and philosophy courses teach students how to read, comprehend and summarize conceptually difficult material. In short, studying philosophy trains one to be a better, clearer thinker.

Coursework includes the major subfields of philosophy such as metaphysics, epistemology and ethics as well as electives that connect philosophy to other areas of inquiry and emphasize the social relevance of philosophy. Philosophy alumni are well-prepared for leadership roles in whatever path they take, whether it be in business, law, politics, medicine or education.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-philosophy?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The analytical, rhetorical and writing skills developed through the study of philosophy provide ideal preparation for careers in a wide range of fields, including:
- business
- education
- journalism
- law
- medicine
- public service

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/162
COOR 3307
SHPRSadvising@asu.edu
480-965-8364
Philosophy (Morality, Politics and Law), BA (LAPHIMPBA)
Campus: Tempe, Online

\section*{Program Description:}

The BA degree program in philosophy with a concentration in morality, politics and law combines the basic analytical approaches of philosophy with
an emphasis on the moral questions that arise in political theory and law. The foundations of our political and legal systems are moral values, such as individual liberty, equality and justice. These are contested values, open to different understandings of their nature and implications.

Students explore the nature of morality, political theory, legal theory and the interconnections between them. Students complete philosophy courses as well as courses from disciplines related to philosophy to enrich and enliven their understanding of the intersections of morality, politics and law. This degree program is of special interest to students planning to pursue postgraduate work in law, policy or politics.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Central Arizona College(https://transfer.asu.edu/tag)
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Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

This program provides graduates with career opportunities in law, policymaking and analysis, politics and intelligence work. For example, graduates may find employment with the U.S. Department of State, the Central Intelligence Agency or the United States Department of Justice. It is excellent preparation for law school.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.clas.asu.edu/node/161
COOR 3307
SHPRSadvising@asu.edu
480-965-8634

\section*{Physics, BA (LAPHYBA)}

Campus: Tempe

\section*{Program Description:}

Physics is concerned with the nature, structure and interactions of matter and radiation. The BA program in physics provides a flexible and efficient option for students who are interested in a liberal arts degree with broad knowledge of physics. This degree program also is ideal for students seeking to complete two degrees, with physics as the second degree. Students wishing to pursue a graduate degree in physics are advised to consider the BS in physics.

\section*{Additional Program Fee: Y}

Second Language Requirement: Yes
First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Transfer from an Arizona Community College

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students graduating with a BA degree in physics may pursue such careers as:
- health physicist
- lawyer
- medical doctor*
patent attorney
- physical therapist
- radiation physicist
- research or lab assistant
- science policy analyst
secondary science teacher
- technology support analyst
*requires additional premedical coursework

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of Physics
https://physics.asu.edu/content/physics-0
PSF 470
physics.undergrad@asu.edu
480-965-3561

\section*{Physics, BS (LAPHYBS)}

Campus: Tempe

\section*{Program Description:}

Physics is concerned with the nature, structure and interactions of matter and radiation. The BS degree program in physics provides students a solid foundation in physical science and mathematics, which is also appropriate for further graduate study in physics, other sciences or engineering programs.

\author{
Additional Program Fee: Y \\ Second Language Requirement: N \\ First Required Math Course: MAT 270-Calculus w/Analytic Geometry I \\ Program Math Intensity: Substantial
}

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Nanoscience, PSM Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The broad range of applicability of the principles of physics gives the physicist great flexibility in a choice of career or further education. About half of the graduates with a bachelor's degree in physics go on to graduate school in:
- astronomy
- engineering
- medicine
- physics

The other half go directly into employment in areas such as:
- business
- education
- engineering
- materials science

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of Physics
https://physics.asu.edu/content/physics
PSF 470
physics.undergrad@asu.edu
480-965-3561

\section*{Physics (Secondary Education), BS (LAPHYSEBS)}

Campus: Tempe

\section*{Program Description:}

The BS program in physics with a concentration in secondary education provides rigorous training in physics and in education. Physics is the cornerstone of STEM disciplines --- science, technology, engineering and mathematics --- and the shortage of highly qualified physics teachers in every state is an ongoing problem. This concentration is designed to produce more and better-qualified physics teachers to meet local and national needs. Students who graduate from this program are recommended by the Mary Lou Fulton Teachers College for certification by the State of Arizona.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Arizona Western College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Fewer than half of in-service physics teachers have degrees in physics. Program graduates have tremendous opportunities for employment. With more than one million students in a state ranked seventh in the nation in population growth, the need for certified teachers in Arizona is self-evident. During the last 15 years, ASU graduates have had their pick of teaching jobs around the valley and in the state. After student teaching in school districts in the greater Phoenix area or with one of the 22 Native American nations in Arizona, students are often hired to teach in the same school where they completed their internship. As the predicted rate of population growth climbs and the number of teachers retiring increases, new teachers continue to be in demand.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of Physics
https://physics.asu.edu/node/276
PSF 470
physics.undergrad@asu.edu
480-965-3561

\section*{Political Science, BA (LAPOSBA)}

Campus: Tempe, Online

\section*{Program Description:}

Political science is the study of how citizens interact with their governments and how governments at all levels formulate policies to serve their citizens.

The BA program in political science offers a variety of courses and opportunities to study politics and policies at the local, national and global levels. The program aims to provide students with the tools and skills necessary to link theory with real-world problems and issues. By combining coursework in several areas of political science with broad exposure to ASU's liberal arts offerings, the Bachelor of Arts degree in political science aims to produce well-rounded learners with the research and writing skills useful for success in political or governmental careers, law school, graduate study, business or the nonprofit sector.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Political Science, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.

Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-bachelor-science-political-science?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to
https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
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Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Many program graduates have found positions in the following:

\section*{- Arizona governor's office}
- Federal Reserve
- foreign service
- judiciary branch of government
- local and national newspapers
- local, national and global nonprofit organizations
- local, state and national government
- multinational corporations

In addition, some graduates have gone on to other top-tier graduate and professional schools. These students have found a range of employment opportunities in the fields of:
- communication
- education
- foreign service
- journalism
- law
- political science
- public service

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://pgs.clas.asu.edu
COOR 6797
spgs@asu.edu
480-965-8563

\section*{Political Science, BS (LAPOSBS)}

Campus: Tempe, Online

\section*{Program Description:}

Political science is the study of how citizens interact with their governments and how governments at all levels formulate policies to serve their citizens.

The BS program in political science offers a variety of courses and opportunities to study politics and public policy at the local, national and global levels. The program aims to provide students with the tools and skills necessary to link theory with real-world problems and issues. By providing experience with the analysis of political statistics, this degree program acquaints students with quantitative application skills. These skills are useful in graduate studies in political science, careers in public policy, or other analytical positions in or related to government and politics.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Political Science, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-political-science?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements}

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Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Many graduates of this degree program have found positions in:
- Arizona governor's office
- Federal Reserve
- foreign service
- judiciary branches of government
- local and national newspapers
- local, national and global nonprofit organizations
- local, state and national government
- multinational corporations

In addition, some graduates have gone on to other top-tier graduate and professional schools. These students have found a range of employment opportunities in the fields of:
- communication
- education
- foreign service
- journalism
- law
political science
- public service

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Politics and Global Studies

\title{
Politics and the Economy, BS (LAPECBS)
}

Campus: Tempe

\section*{Program Description:}

The BS program in politics and the economy prepares students for careers that require a sophisticated understanding of the relationship between politics and the economy. This degree is a response to the growing recognition that many of the world's most pressing problems (e.g., growth and development, tax reforms and climate change) are fundamentally political and economic problems. The program combines core courses in economics and political science. Utilizing the strengths of both the Department of Economics and the School of Politics and Global Studies, students graduate with strong quantitative and modeling skills and a rich understanding of political context.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
All students are required to meet general university admission requirements.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program

\section*{Transfer Agreements:}

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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)

Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

According to external forecasters of employment growth (U.S. Department of Labor and the U.S. News \& World Report), job opportunities for graduates of the politics and the economy degree program are expected to grow as fast or faster than the average growth of the labor force. They note that the demand for graduates grounded in economics and political science is driven by the growing complexity of the global economy, the increased implementation of financial regulations in wealthier nations, and the growing competitiveness of the business environment. In terms of specific sectors, undergraduates are well-prepared for entry positions in government at all levels (local, state and federal), business, economic and political consulting, and law. They are also prepared to pursue advanced degrees in law, business, economics or political science.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Politics and Global Studies
https://wpcarey.asu.edu/economics-degrees/undergraduate
CPCOM 412
wpcareyecn@asu.edu
480-965-3531

\section*{Psychology, BA (LAPGSBA)}

Campus: Tempe

\section*{Program Description:}

In the Psychology BA degree program at ASU's Tempe campus, students use scientific methodology to explore fundamental questions about the brain, mind and behavior. Students work with faculty and other psychology majors in a collaborative, diverse environment in coursework, research and other engagement activities to explore such fascinating questions as whether robots can explain how we field in baseball; what effects stress and emotions have on adolescent adjustment; how humans recognize and regulate emotions; how body image relates to eating disorders; how chronic stress affects the brain; how evolution shapes our choice of partner; and what the physical and psychological consequences of substance abuse might be in adolescents.

\section*{Additional Program Fee: Y}

Second Language Requirement: Yes
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer Admission Requirements:
Transfer applicants must meet university transfer admission requirements.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The Bachelor of Arts in psychology is designed to prepare students to work in a variety of settings that provide opportunities to apply concepts and principles of psychology. This degree program provides students the opportunity to develop a broad range of highly marketable skills, including analytical skills, writing and public speaking skills, as well as teamwork and leadership skills, which lead to many career opportunities or graduate degrees in academic or clinical psychology or in such fields as counseling, social work, family therapy and law.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of Psychology
https://psychology.clas.asu.edu/node/59
PSY 202
psych.advisor@asu.edu
480-965-7258

\section*{Psychology, BS (LAPGSBS)}

Campus: Tempe

\section*{Program Description:}

In the BS degree program in psychology at ASU's Tempe campus, students explore leading-edge issues about the brain, mind and behavior from a scientific, psychological point of view emphasizing quantitative skills. Students work with faculty and other psychology majors in a collaborative, diverse environment of coursework, research and other engagement activities to explore fascinating questions as whether robots can explain how we field in baseball; what effects stress and emotions have on adolescent adjustment; how humans recognize and regulate emotions; how body image relates to eating disorders; how chronic stress affects the brain; how evolution shapes our choice of partner; and what the physical and
psychological consequences of substance abuse might be in adolescents.

The Bachelor of Science in psychology degree option is ideal for students looking for a liberal arts focus with a more intensive math requirement while studying psychology.

Additional Program Fee: Y

\section*{Second Language Requirement: N}

First Required Math Course: MAT 251-Calculus for Life Sciences
OR MAT 270: Calculus with Analytic Geometry I

Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer Admission Requirements
Transfer applicants must meet university transfer admission requirements.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students acquire basic knowledge of psychology theory and practice. They develop skills in research analysis, critical thinking and the ability to interact effectively with a range of diverse groups across scientific interests and disciplines. Students are well-positioned for advanced research and graduate study in psychology, the health sciences, law and other graduate level degrees and programs. The Bachelor of Science degree program also prepares students to directly enter into a wide field of career choices.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of Psychology
https://psychology.clas.asu.edu/degrees/undergrad
PSY 202
psych.advisor@asu.edu
480-965-7258

\section*{Psychology (Psychological Science), BS (LAPGSPSBS)}

Campus: Tempe

\section*{Program Description:}

The BS program in psychology with a concentration in psychological science emphasizes critical-thinking and analytic and quantitative skills involved in psychological research to prepare students for graduate study. Students take advanced coursework in statistics and receive hands-on research experience by working with faculty members in the laboratory. Students are exposed to theories and research, addressing questions such as how people can use social influence to increase compliance; how children develop; how people remember information over long periods of time; how the mind and body react to stress; and, which types of treatment are most effective for individuals who are depressed.

\section*{Additional Program Fee: Y}

Second Language Requirement: N
First Required Math Course: MAT 251-Calculus for Life Sciences
Or MAT 270 Calculus with Analytical Geometry I

Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The BS in psychology with a concentration in psychological science is open to students who have:
- completed a BS in psychology critical courses (ENG 101, ENG 102, MAT 251 or MAT 270, PSY 101, PSY 230, PSY 290) with a "C" or better
- earned at least 45 credit hours
- earned at least an ASU 3.00 cumulative GPA

Students must maintain at least a 3.00 cumulative GPA from admittance through graduation.

\section*{Change of Major Requirements:}

The bachelor's in psychology with a concentration in psychological science is open to current ASU students who have completed all critical courses for the BS in psychology (ENG 101, ENG 102, MAT 251 or MAT 270, PSY 101, PSY 230, PSY 290) with a "C" ( 2.00 on a 4.00 scale) or better, have earned at least 45 credit hours, and have earned at least an ASU 3.00 cumulative GPA.
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\section*{Transfer Agreements:}

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The bachelor's degree program in psychology with a concentration in psychological science prepares students who aspire to careers as researchers, teachers or clinicians, or who wish to pursue graduate study. The program is also ideal preparation for professional postgraduate programs in the fields of law and medicine.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Department of Psychology
https://psychology.clas.asu.edu/node/57
PSY 202
psych.advisor@asu.edu
480-965-7258

\section*{Religious Studies, BA (LARELBA)}

Campus: Tempe, Online

\section*{Program Description:}

Religion is an important part of most human experience. Religious understanding informs and shapes politics, literature, philosophy, art and science as well as the daily life of millions around the globe. An understanding of religious traditions is critical to understanding our shared past and present and to navigating toward our shared future.
many find fascinating and exciting about religious studies is that it draws from a wide variety of disciplines --- history, philosophy, anthropology, literature, political science and theology, to name a few. Course offerings reflect a diversity of approaches (historical, anthropological, ethical and theological); regions (North America, South America, Europe, Middle East, Africa, South Asia and Southeast Asia) and traditions (Buddhism, Christianity, Hinduism, Islam, Judaism and Native American traditions).

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-religious-studies?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Students interested in careers in local, state, regional and national communities find transdisciplinary encouragement and support in the Bachelor of Arts degree program in religious studies. Students who are attracted to international study find the undergraduate program rich in multicultural coursework and study abroad opportunities. Religious studies students find many opportunities for practical experience leading to careers in the academic study of religion, in public service, in governmental and nongovernmental agencies and in professional careers in a variety of organizations, including all of the helping professions.

Religious studies graduates have gone on to careers in such fields as diplomacy, development and teaching. Other students have pursued professional degrees in areas such as law, public policy and counseling.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.asu.edu/content/religious-studies
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

\section*{Religious Studies (Religion, Culture and Public Life), BA (LARELCPBA)}

Campus: Tempe, Online

\section*{Program Description:}

The BA program in religious studies with a concentration in religion, culture and public life approaches religion as a mode of human culture, as it is constituted in intellect, language, emotion, practice, art and everyday life. The program focuses on the role religions play in the formation of cultural identities, traditions, norms and memories, and it examines in particular the impact religions have on culturally specified ways people reason, communicate, socialize, work, entertain, dress, eat, live and die. Special consideration is given to the influence of religion on gender roles and sexual norms, the formation of images of the body and the moral assessment of medical practices, and the reflection and reproduction of religion in film, popular culture, and conventional, digital and social media.

The concentration will address present-day interests and prepare students for jobs in a variety of professions, including education, journalism, media studies, gender studies, health care, politics, law, education, migration and international studies.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/religious-studies-religion-culture-and-public-life-ba)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The concentration provides career opportunities in a number of professional areas, in particular:
- diversity management
- education
- gender studies
- health care
- journalism
- languages and cultures
- media studies

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.asu.edu/content/religious-studies-religion-culture-and-public-life-0
COOR 3307
SHPRSadvising@asu.edu
480-965-8364
Religious Studies (Religion, Politics and Global Affairs), BA (LARELPGBA)
Campus: Tempe

\section*{Program Description:}

The BA program in religious studies with a concentration in religion, politics and global affairs considers how the study of religion expands our understanding of political culture, communal formation, governance, nationalism, statehood and citizenship in both domestic and global contexts. The program explores the role religion has in shaping political values, social movements, civic organizations and communal norms, with particular attention on how religion impacts issues of health, the environment, migration, peace, conflict, violence, and various issues of social justice. Special consideration is given to the religious intersections of nationality, ethnicity, race, gender and other vital facets of human community and identity.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The concentration addresses the intersections of religion, politics and global affairs, preparing students for jobs in a variety of professions, including political organizing, legal advocacy, migration studies, ethics, international affairs and administration.

Specific career opportunities include:
- advocacy
- education
- governmental or nongovernmental organizing
- journalism
- publishing

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Historical, Philosophical \& Religious Studies, Sch
https://shprs.asu.edu/content/religious-studies-religion-politics-and-global-affairs
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

\section*{Russian, BA (LARUSBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in Russian offers students a unique opportunity to study the language, literature and culture of Russia. Students in the program gain intermediate to advanced reading, writing, oral and aural Russian language skills.

The Russian language program also partners with the Melikian Center to offer a transdisciplinary baccalaureate certificate in Russian, Eurasian and East European Studies for students in agribusiness, anthropology, architecture, economics, geography, history, political science, religious studies, Russian, sociology and women's studies.

Students of Russian are encouraged to take advantage of an ASU exchange program in Russian language and translation by spending a semester or year in Moscow, St. Petersburg or Kazan. For more information, students should visit https://mystudyabroad.asu.edu/ (https://mystudyabroad.asu.edu/).

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Transfer from an Arizona Community College:
Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:
California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Despite the fall of the Soviet Union, Russia has remained an active player in world affairs. Russia's continued presence on the current international stage makes knowledge of Russian language and culture a valuable asset for students interested in government, diplomacy and international affairs and commerce. Knowledge of multiple languages and intercultural competencies enhance any occupation and offers graduates many career opportunities.

Career fields and occupations using languages include:
- administration of nongovernmental organizations
- advertising and marketing
- airlines
- cultural advisor
- diplomatic and foreign service
- domestic and international business
- film, television and multimedia
- foreign correspondent and journalist
- hotel and resort management
- intelligence
- international banking
- international education and study abroad administration
- international law
- interpreting and translation
- medicine and health professions
- military
- ministry
- public relations
- publishing
- social work
- teaching and research
- travel and tourism
- technology industries

Additional education and certification may be required for some career paths.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/41
LL 440
silcadvising@asu.edu
480-965-6281

\section*{Sociology, BS (LASOCBS)}

Campus: Tempe, Online

\section*{Program Description:}

Sociology is the study of social life, social change and the social causes and consequences of human behavior. The BS program in sociology offers courses on contemporary social issues that range from crime to population trends. Sociology courses also explore social institutions such as family, education, religion and the workplace. Students develop proficiency in written communication, computer skills, statistical analysis and research methodology.

\author{
Additional Program Fee: N \\ Second Language Requirement: N \\ First Required Math Course: MAT 142 - College Mathematics \\ Program Math Intensity: General
}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-sociology?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)

Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

An undergraduate degree in sociology provides excellent preparation for future graduate work in:
- law
- medicine and counseling
- social work
- sociological research

The degree also prepares undergraduates for direct entry into positions in:
- business
- government
- social service

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
Sanford School of Social and Family Dynamics
https://thesanfordschool.asu.edu/
SS 144
email@thesanfordschool.org
480-965-6978

\section*{Spanish, BA (LASPABA)}

Campus: Tempe, Online

\section*{Program Description:}

Students pursuing a BA degree in Spanish have the opportunity to gain reading, speaking and writing proficiency in the language. The Tempe campus program offers two study options: the Spanish linguistics track and the Spanish literature and culture track.

The linguistics track provides an in-depth understanding of the Spanish language (syntax, morphology) while the literature and culture track addresses historical and contemporary issues throughout the Spanish-speaking world as seen through the lenses of Spanish language, and Latin American and Mexican American culture and literature.

A Bachelor of Arts degree in Spanish is also available for ASU Online students; it combines courses from both the linguistics track and the literature and culture track.

Students majoring in Spanish also may work toward a professional certificate in Spanish-to-English translation.

Students are encouraged to contact a school advisor to discuss which option is best for them. Throughout the year, through study abroad and exchange programs, ASU offers opportunities to study in Spain, Mexico and other countries in which Spanish is spoken. More information regarding study abroad opportunities is available at https://mystudyabroad.asu.edu/ (https://mystudyabroad.asu.edu/).

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Spanish, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-spanish?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:
- foreign correspondent or media professional
- foreign service officer
- health professional
- law and immigration professional
- intelligence officer
international banking and finance professional
- international business
- language teacher
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields in which knowledge of diverse languages and cultures is valuable include:
- advertising, marketing or communications
- airline industry
- film, television or multimedia
- hospitality industry
- hotel and resort management
- intelligence
- international law
- international education and study abroad administration
- military
- ministry

Additional education or certification may be required for some career paths.

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of International Letters and Cultures
https://silc.asu.edu/node/48
LL 440
silcadvising@asu.edu
480-965-6281

\section*{Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)}

Campus: Tempe

\section*{Program Description:}

The BA program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latina/o populations in the United States and the U.S.-Mexico transborder region. Students explore the complexities of the Chicana/o and Latina/o experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the media and expressive culture concentration, students focus their study on the cultures of Latina/o communities. Students learn about the cultural diversity of Chicana/o, Mexican, Puerto Rican, Cuban, Dominican, Central American and other Latina/o populations in the United States and their contributions to the arts by analyzing:
- film and the media
- history
- literature (novels, short stories, poetry)
- performance
- visual art

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Journalism and Mass Communication, BA

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:
- 3.75 minimum ABOR GPA
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements:
Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective general studies requirements.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)

Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The media and expressive culture concentration equips students with analytical and communication skills vital to the pursuit of graduate work and various career paths including:
- education (administration and teaching)
- film and media
- law
- local, state and national government agencies
- nonprofit organizations
- public policy and administration
social work
- the arts

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Transborder Studies
https://sts.asu.edu
INTDSB 165
sts.undergrad@asu.edu
480-965-5091

\section*{Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)}

Campus: Tempe

\section*{Program Description:}

The BA degree program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latina/o populations in the United States and the U.S.-Mexico transborder region. Students will be able to understand the complexities of the Chicana/o and Latina/o experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the transborder community development and health concentration students will focus their learning on the health inequalities and issues affecting Mexican-origin, Chicana/o and Latina/o communities. Students will also develop an understanding of the relationship between the places where people live, play, work and heal and the impact they have on people's health and well-being. Overall, students will be able to design, implement and evaluate community-based health programs.

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Journalism and Mass Communication, BA

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)

Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Concurrent degree admission requirements:

Freshman applicants must meet all of the following standards:
- 3.75 minimum ABOR GPA
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements:
Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective general studies requirements.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The transborder community development and health concentration equips students with theoretical and practical knowledge necessary for graduate work in professional fields such as law and medicine as well as entry-level positions in:
- education (administration and teaching)
- local, state and national public and private health services
- nonprofit organizations
- public affairs
- public health
- public policy and administration
- social work

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Transborder Studies
https://sts.asu.edu/
INTDSB 165
sts.undergrad@asu.edu
480-965-5091

\section*{Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA (LATCLUBA)}

\section*{Campus: Tempe}

\section*{Program Description:}

The BA degree program in transborder Chicana/o and Latina/o studies focuses on the political, cultural, economic, sociological, historical, psychological and artistic experiences of Mexican-origin and Latina/o populations in the United States and the U.S.-Mexico transborder region. Students explore the complexities of the Chicana/o and Latina/o experience on the U.S.-Mexico border and beyond, with implications for other border communities around the world.

In the U.S. and Mexican regional immigration policy and economy concentration students focus their studies on policies and social practices contributing to the growing political and economic influence of Latinos in the U.S. and the U.S.-Mexico region. Students will develop an understanding of the role of:
- border enforcement
- demographic change
- economic integration
- globalization
- immigration policy
- international migration
- regional development

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Journalism and Mass Communication, BA

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)

Additional Requirements:
Concurrent degree admission requirements

Freshman applicants must meet all of the following standards:
- 3.75 minimum ABOR GPA
- no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer Admission Requirements
Transfer students must have a minimum cumulative GPA of 3.00 from a transfer institution.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

ASU students who would like to change their majors to the concurrent program with journalism and mass communication must have at least a 3.00 cumulative GPA in 12 or more credit hours of ASU courses that can be used to satisfy the Cronkite School's nonelective general studies requirements.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag) Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The U.S. and Mexican regional immigration policy and economy concentration equips students with skills and knowledge necessary for graduate work in fields such as law, as well as career opportunities in:
- education (administration and teaching)
- local, state and national government agencies
- public affairs
- public policy and administration
- social work and nonprofit organizations

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Transborder Studies
https://sts.asu.edu/
INTDSB 165
sts.undergrad@asu.edu
480-965-5091

\section*{Urban Planning, BSP (ARPUPBSP)}

Campus: Tempe, Online

\section*{Program Description:}

Urban planning is shaping the way our cities, states and communities operate, how people navigate the globe, and how cities are planned for success. Urban planners guide communities in making wise decisions about their use of land and resources. The BSP program in urban planning provides students with expertise in both the analysis and the synthesis of the physical, social, political and economic issues that shape urban and regional development. Planning includes:
- computer and research methods
- environmental impact assessment
- geographic information systems
- housing
- landscape architecture and urban design
- planning and zoning law
- public policy formulation and administration
transportation
- urban and development economics
- utilities

Students take courses that include:
- comprehensive planning
- computer and analytical methods
- planning law
- public policy formulation and administration
- site planning
- socioeconomic and environmental analyses
- urban design

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Urban and Environmental Planning, MUEP Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-urban-planning?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates in urban planning pursue career opportunities with private planning firms and governmental planning agencies, mainly at the city level, but also with county, state and federal entities. Some planners elect to pursue graduate degrees to develop specialty skills and to enhance their opportunities for career advancement. The urban planning degree, especially when combined with a focus on geographic information science, gives graduates an advantage in careers that combine urban planning with GIS and in other jobs dealing with urban issues, including:
- comprehensive and long-range planning
- economic development planning
- housing issues
- planning law
- public participation in the planning process
- socioeconomic and environmental analyses
- sustainable planning
- transportation

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Geographical Sciences and Urban Planning
https://geoplan.asu.edu/degree-programs/undergraduate-degrees/urban-planning
COOR 5671
geoplan.advising@asu.edu
480-965-7533

\section*{Women and Gender Studies, BA (LAWSTBA)}

Campus: Tempe, Online

\section*{Program Description:}

Through coursework and scholarly research students in the BA degree program in women and gender studies gain critical knowledge and a deep understanding of feminist theory and practice. Students are offered the opportunity to challenge conventional wisdom about gender and explore new ways of viewing the world through the study of:

\author{
- culture
}
- economics
- film
- history
- literature
- politics
- science

Internship and leadership opportunities allow students to pursue career goals in business, government or nonprofit organizations.

Additional Program Fee: N
Second Language Requirement: Yes
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Science and Technology Policy, MSTP Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-women-and-gender-studies?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The women and gender studies degree program prepares students for many different career opportunities upon graduation. Graduates of the program are also well prepared for graduate and law school and have been admitted to prestigious programs.

Graduates have:
- become consultants and counselors
- become lawyers
- become teachers
- created businesses
- secured careers in public relations
- worked in nonprofit organizations and agencies serving women and girls
- worked in policy and government

\section*{Contact Information:}

Liberal Arts \& Sciences, College of
School of Social Transformation
https://sst.clas.asu.edu/women-and-gender-studies
WILSN 125
SSTadvising@asu.edu
480-965-7682

\section*{Nursing and Health Innovation, College of}

\author{
Applied Science (Health Entrepreneurship and Innovation), BAS (NUHCIBAS) \\ Campus: Downtown Phoenix, West, Online \\ \section*{Program Description:} \\ The BAS with a concentration in health entrepreneurship and innovation is designed for students with an AAS degree in allied health fields who want to lead transformative change in health through the creation of new products, processes and systems
}

Students have the opportunity to examine current evidence-based practice and health care policy through a lens of innovation using an integrated systems perspective, and they hone the skills necessary to be a leader of innovation in a health care context. Students with health-related backgrounds who would like to learn more about innovation and leadership within health care organizations may be interested in the health entrepreneurship and innovation concentration. Students with an Associate of Applied Science degree in business or a related field may also have interest if they have employment experience in the health industry

Additional Program Fee: Y Second Language Requirement: N First Required Math Course:
Any math course with the MA general studies designation will satisfy the math requirement.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Students must have an Associate of Applied Science from a regionally accredited institution to be eligible for admission to BAS in applied science programs at Arizona State University.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/health-innovation-bas)

\section*{Change of Major Requirements:}

Students with an Associate of Applied Science degree in health, business or a related field are eligible to change their ASU major to this applied science (health entrepreneurship and innovation) program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Primary career opportunities include health care administrators and health care managers as well as:
- entrepreneurs
- health architects
- health care administrator
- health care strategists, advisors, project managers and administrators
- health innovation consultant
- health product and service managers
- health system designers
- intrapreneurs -- managers responsible for promoting innovative product development and marketing
- public relations experts in health

\section*{Contact Information:}

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/applied-science-health-innovation
HLTHN 113
asu.hci@asu.edu
602-496-0937
Community Health, BS (NUCHLTBS)
Campus: Downtown Phoenix, West, Online

\section*{Program Description:}

The BS program in community health is designed for students who want to create healthy, sustainable communities. Changes to the health care system call for an increased number of community health professionals who can advocate for individuals, families and communities as well as provide health education services. Graduates of this program provide health education, health promotion, care coordination, disease management, health care navigation and advocacy services for individuals, families, and communities.

This degree program has the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

\section*{Additional Program Fee: Y}

Second Language Requirement: \(N\)
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-community-health)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Program graduates may obtain employment as:
- community health outreach specialists
- community health workers
- health care coordinators
- health care navigators
- health educators
- health promotion evaluators
- health services administrators

\section*{Contact Information:}

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/community-health
HLTHN 113
asu.ch@asu.edu
602-496-0937

\section*{Health Care Compliance and Regulations, BS (NUHCCRBS)}

Campus: Downtown Phoenix, West

\section*{Program Description:}

The BS program in health care compliance and regulations is the first undergraduate degree program in the U.S. dedicated to the education and training of compliance specialists in the health care environment. This program offers students the opportunity to learn best practices from business, regulatory, ethics, and the medical industry to channel into a career in health care compliance.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 117 - College Algebra
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)

Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates may be employed as:
- compliance analysts
- ethics and compliance officer
- health care or hospital compliance officer
- health care or hospital compliance specialist
- health care or hospital regulatory affairs specialists
- health privacy officers
- HIPAA compliance specialists
- integrity officers
- internal auditor
- medicare compliance analyst
- medicare compliance specialists
- privacy analyst
- regulatory compliance specialists

\section*{Contact Information:}

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/health-care-compliance-and-regulations
HLTHN 113
asu.hccr@asu.edu
602-496-0937

\section*{Health Care Coordination, BS (NUHCCOBS)}

Campus: Downtown Phoenix, West, Online

\section*{Program Description:}

The BS program in health care coordination prepares students to effectively coordinate resources to optimize individual health outcomes.

Through coursework, students build a thorough understanding of health care systems, community and public health, community resources, health education and health advocacy.

This degree program uses the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)
program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-health-care-coordination)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of this program provide health care coordination, health advocacy and health education services to individuals and families. Program graduates may obtain employment as:
- care coordinators
- community health workers
- health advocates
- health care coordinators
- health care navigators
- health educators
- health resource managers

\section*{Contact Information:}

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/health-care-coordination
HLTHN 113

\title{
Health Innovation, BS (NUHCIBS)
}

Campus: Downtown Phoenix, West, Online

\section*{Program Description:}

With a focus on transdisciplinary experiences, the BS program in health innovation provides students with a broad background in the principles of innovation, leadership, complexity science, change theory, collaboration and evidence-based decision-making to prepare graduates to manage implementation of innovation in the health care arena.

This unique program situates students at the intersection of innovation and entrepreneurship in health and healing.

\author{
Additional Program Fee: Y \\ Second Language Requirement: N \\ First Required Math Course: MAT 142-College Mathematics \\ Program Math Intensity: General
}

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/health-innovation-bs)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)

Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates may be employed as:
- entrepreneurs
- health architects
- health care administrator
- health care strategists, advisors, project managers and administrators
- health innovation consultant
- health product and service managers
- health system designers
- intrapreneurs --- managers responsible for promoting innovative product development and marketing
- public relations experts in health

\section*{Contact Information:}

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/health-innovation
HLTHN 113
asu.hci@asu.edu
602-496-0937

\section*{Integrative Health, BS (NUIHLTBS)}

\author{
Campus: Downtown Phoenix, West, Online
}

\section*{Program Description:}

The BS program in integrative health provides a foundation in integrative health, a holistic approach to wellness that focuses on the mind, body and spirit. The program provides students with a foundation of innovative and interprofessional approaches to serving and supporting diverse populations.

Students learn to differentiate the ethics, legalities and standards of practice of integrative health and to think critically about different therapies, modalities and practitioners. Coursework and experiences include an emphasis on research and evidence-based practices and gaining an understanding of the historical and cultural foundations of the integrative health field.

This degree has the same prerequisites as the nursing major; therefore, students may transition seamlessly to this program and obtain a bachelor's degree in a health-related field.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates are qualified for a career as a patient representative for integrative health, which involves assisting patients in obtaining services and in understanding policies, and in making health care decisions regarding integrative health. Graduates may be employed in hospitals, doctor offices, wellness and fitness centers, as well as holistic centers.

Program graduates may obtain employment as:
- health educators
- health services administrators
- health specialists
- office managers
program managers
- project directors

\section*{Contact Information:}

Nursing and Health Innovation, College of College of Nursing and Health Innovation https://nursingandhealth.asu.edu/integrative-health

\section*{Nursing, BSN (NUNURDBSN)}

\author{
Campus: Downtown Phoenix, The Gila Valley, Online
}

\section*{Program Description:}

Through a curriculum centered upon evidence-based practice, clinical reasoning, innovation, interprofessional communication and information technology, the BSN degree program prepares students to provide high-quality professional nursing care. The Bachelor of Science in Nursing may be earned through several unique pathways.

Prelicensure Nursing Programs:

The College of Nursing and Health Innovation offers two prelicensure tracks that lead to a Bachelor of Science in Nursing: the traditional prelicensure clinical nursing program and the postbaccalaureate clinical nursing program.

Students pursuing advancement to the traditional prelicensure clinical nursing program complete prerequisite coursework and request advancement to the upper-division nursing program. The upper-division nursing program may be completed in a 16-month year-round schedule or a 24 -month academic year schedule. Students admitted directly into a traditional prelicensure clinical nursing program must meet continuing eligibility criteria to advance to the upper-division nursing program. Directly admitted nursing students who do not meet continuing eligibility criteria, transfer students, or students who are changing majors may apply for advancement to the upper-division nursing program, competing for any remaining spaces.

Students pursuing advancement to the postbaccalaureate clinical nursing program complete prerequisite coursework and apply for advancement to the 12-month upper-division clinical nursing program. Students are admitted to the postbaccalaureate nursing program annually in the spring semester.

\section*{Online RN to BSN program}

The online RN to BSN program (https://bsn.asu.edu (https://asuonline.asu.edu/rnbsn?utm_source=nursingjournal\&utm_medium=print\&utm_campaign=Now2)) is available to students who have earned an associate degree in nursing or a nursing diploma and have a current RN license in good standing with the Board of Nursing. The RN to BSN program courses are offered online in \(7.5-w e e k\) sessions and can be completed in 14 to 24 months. There are five starts per year: twice in the fall, twice in the spring, and once in the summer. Assignments vary from course to course and may include readings, papers, presentations and practice application activities completed in the student's geographic area. Transfer pathway agreements are in place with all community colleges in Arizona, which provide additional benefits to students. The RN to BSN program does not have approval from the Boards of Nursing in Tennessee, Rhode Island or Washington to be offered to RNs licensed in those states. More information can be found at https://bsn.asu.edu (https://asuonline.asu.edu/rnbsn?utm_source=nursingjournal\&utm_medium=print\&utm_campaign=Now2).

\section*{Concurrent Enrollment Program}

The concurrent enrollment program pathway is offered through participating community colleges. This program is designed for qualified nursing students who are interested in earning their Bachelor of Science in Nursing while simultaneously pursuing their AAS in nursing. Selected students will be enrolled in the community college program and ASU RN to BSN courses concurrently. RN to BSN courses taken at ASU will be delivered in an online format.

\section*{Eastern Arizona College Partnership}

The ASU and Eastern Arizona College partnership has two options: the concurrent enrollment program and the RN to BSN. The concurrent enrollment program is designed for qualified students pursuing an Associate of Applied Science in nursing from EAC while simultaneously earning a Bachelor of Science in Nursing from ASU. Another option allows students with an associate degree or diploma in nursing to pursue the ASU BSN at Eastern Arizona College on the Thatcher campus. Courses in this program are delivered in a hybrid format.

Students should see https://transfer.asu.edu/thegilavalley (https://transfer.asu.edu/thegilavalley) for more information about ASU degrees offered through ASU@TheGilaValley (mailto:ASU@TheGilaValley).

Additional Program Fee: \(Y\)
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The admission standards for majors in the College of Nursing and Health Innovation are higher than minimum university standards. Freshmen admission requirements: top 25 percent of high school graduating class OR 3.30 GPA in ASU competency courses (based on 4.00 grading scale) AND either a 24 ACT combined score OR an 1100 SAT (prior to March 2016) or 1170 SAT (March 2016 and later) combined evidence-based reading and writing plus math score.

Freshmen should select an additional major when applying for admission.

English language proficiency for applicants whose native language is not English:
- minimum score of 540 (paper-based), 207 (computer-based), or 76 (Internet-based) on the Test of English as a Foreign Language (TOEFL)
- minimum overall band of 6.5 with no band below 5.5 on the International English Language Testing System (IELTS).

Students not admissible directly to the BSN Nursing program will be placed into the BS program in community health.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-nursing-rn-bsn?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

Current ASU students interested in changing to this program would need to apply for the upper division clinical nursing program through an advancement application process. Space is limited, and selection is based upon GPA and score earned on the Test of Essential Academic Skills. Students should contact an advisor in the College of Nursing and Health Innovation for more information on how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)

Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)

\section*{Career Opportunities:}

Graduates deliver nursing care to individuals, families and communities. Completion of this degree program also prepares individuals for entrance into graduate study in nursing at the master's or doctoral degree levels, which is essential for teaching, administration, clinical specialization and research.

\section*{Contact Information:}

Nursing and Health Innovation, College of
College of Nursing and Health Innovation
https://nursingandhealth.asu.edu/degree-programs/undergraduate/nursing-bsn
HLTHN 113
nursingandhealth@asu.edu
602-496-0937

\section*{Public Service and Community Solutions, College of}

\section*{Applied Science (Emergency Management), BAS (PPEMGBAS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BAS program with a concentration in emergency management is a flexible, 60 credit hour degree program. The curriculum is designed specifically for students who have earned an AAS from a regionally accredited institution. The required capstone class provides experience to students through coordinated internships.

In cooperation with the Arizona Division of Emergency Management, ASU hosts and maintains Arizona's Alternate State Emergency Operations Center on the Polytechnic campus. This contextual learning laboratory is used for demonstrating practical applications of theory taught within the Bachelor of Applied Science curricula as well as providing a platform for conducting exercises and demonstrations of emerging technologies in emergency management.

Students applying to this program must have completed an Associate of Applied Science from a regionally accredited institution. This program is not available to freshmen.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

\section*{Change of Major Requirements:}

A current ASU student must have completed an Associate of Applied Science from a regionally accredited institution to change to this major. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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\section*{Transfer from a Maricopa Community College in Arizona}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

The degree in emergency management opens the door to a challenging career as a professional emergency manager. The advancement of technology has created the potential for more devastating disasters than ever before. As a result, there is an increasing demand for emergency managers who have a solid foundation in scientific and technical disciplines as well as management skills.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/emergencymanagement
UCENT 400
spa@asu.edu
602-496-0450
Community Advocacy and Social Policy, BA (PPCASPBA)
Campus: Downtown Phoenix, West, Online

\section*{Program Description:}

The BA program in community advocacy and social policy focuses on advocacy strategies through an in-depth exploration, analysis and comparison of social service systems and policies from an empowerment perspective. Examining the needs of individuals, families and
communities that have been historically under-served is the program emphasis. Policy analysis and social change are critical themes in developing an advocacy knowledge base as are the equally important themes of prevention and social well-being. Students complete courses in two core areas: diversity and oppressed populations and social issues and interventions.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements. Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-community-advocacy-and-social-policy?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)

\section*{Career Opportunities:}

Graduates will be prepared for employment in the social services arena, such as performing basic case management (benefit processing or certification); staffing hotlines or warmlines; referral, recruitment and volunteer coordinator positions; and prevention and education. In addition, advocate positions are part of many organizations such as hospitals and the behavioral health system. This degree program also prepares students to pursue graduate education.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Social Work
https://socialwork.asu.edu
UCENT 800
social.work@asu.edu
602-496-0800

\section*{Community Sports Management, BS (PPCSMBS) \\ Campus: Downtown Phoenix}

\section*{Program Description:}

The BS program in community sports management focuses on the many roles recreational and amateur sports play within a community as a mechanism to contribute to quality of life, domestically and abroad. The program has been designed to study the role of sports in youth development, the role of sports organizations and programs in community development, the impact of sports tourism and multisport events on community development and the role of sports in delivery of nonprofit agency services. Both a program and a managerial emphasis are targeted, with a focus on delivery of services across the lifespan. Some specific areas of opportunity include work with youth sports, adaptive sports, sports events, sports tourism and sports clubs.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Numerous opportunities are available in community sports. Community sports programs are part of many nonprofit organizations, such as the Boys and Girls Clubs of America and the YMCA or YWCA. City parks and recreation programs also include youth and adult sports and many clubs and organizations focus on youth sports. Sports tourism organizations are part of many communities. Many cities and nonprofit organizations offer sports events, youth sports tournaments (including international and multisport events) and adaptive or therapeutic sports programs produced by organizations such as Special Olympics, Wounded Warriors Project and Daring Adventures (known for its River Rampage program). Though the focus of this program is not on professional sports management, there are employment opportunities with organizations such as these in areas like event management and facility management.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

\section*{Criminology and Criminal Justice, BS (PPCRIMJBS)}

Campus: Downtown Phoenix, West, Lake Havasu, Yuma, Online

\section*{Program Description:}

Students interested in completing the BS program in Yuma are encouraged to complete a TAG program. Admission requirements are below.

The criminology and criminal justice program is for students who want to understand the causes of crime, the role of criminal justice agencies in the control of crime and the consequences of crime. They will learn sociological, psychological, biological and economic explanations for individual crime as well as differences in crime across neighborhoods, states, countries and over time. They will learn about the history, legal issues and current practices of crime control via police agencies, the court system, prisons, probation and parole.

These topics are delivered by top-ranking research faculty who offer students hands-on research opportunities and by experienced criminal justice professionals with intimate knowledge of the daily realities of crime and criminals. Students are encouraged to take advantage of internship opportunities in more than 200 agencies, study abroad programs, and flexible course scheduling offered in-person, online and across multiple campuses.

Additional Program Fee: N

First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Criminal Justice, MA
Criminology and Criminal Justice, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Transfer Admission Requirements:
Yuma Students: ASU has a pathway that allows students to complete the ASU Transfer Admission Guarantee in criminology and criminal justice, a prescribed sequence of courses that meets the requirements for the community college's Associate of Arts degree and the lower-division requirements for the ASU Bachelor of Science in criminal justice and criminology. Upon completion of the TAG, students will complete the remaining requirements for ASU's bachelor's degree program. Visit https://transfer.asu.edu (https://transfer.asu.edu/) for more information about ASU degrees offered at local community colleges.

This program may also accept transfer credit in lieu of a TAG agreement. Please contact the department for details.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-criminology-and-criminal-justice?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)

Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates of the criminology and criminal justice program find a strong job market in the public and private sectors. Employment opportunities exist in:
- bank fraud
- corrections
- courts
- domestic terrorism
- federal agencies
- homeland security
- law enforcement
- legal offices
- parole offices
- private security
- probation offices
- victim advocate agencies

Graduates may also pursue advanced degrees in law, criminology and criminal justice, and other social science disciplines.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Criminology and Criminal Justice
https://ccj.asu.edu/
UCENT 600
SCCJAdvising@asu.edu
602-496-2356

\section*{Nonprofit Leadership and Management, BS (PPNLMBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

Through the BS program in nonprofit leadership and management, students are empowered to become successful professionals who work to advance the quality of life in communities. The nonprofit sector in the United States is unique in form and function. This sector includes institutions and individuals situated between government, public, business and commerce sectors. It is this sector, with more than 1.6 million organizations in the U.S., that employs more people than the finance, insurance and real estate industries combined.

Philanthropy (voluntary action for the public good) is a hallmark of the nonprofit sector as individuals give their time, money and know-how to causes about which they care. Students in the nonprofit leadership and management program learn about the nonprofit sector through curriculum instruction and field experience. The required internship component of the program leads students to professional opportunities within the nonprofit sector. Within the undergraduate degree requirements, students also may choose to pursue the National Certified Nonprofit Professional credential through ASU's affiliation with the Nonprofit Leadership Alliance (formerly American Humanics, Inc.). For more information, students should access the school's website.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N

First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with: Community Resources and Development (Nonprofits and NGOs), MS
Community Resources and Development, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

Depending on their interests, graduates seek work in diverse settings that include a wide range of missions, including arts and culture, environmental, health, youth development, etc. Some graduates find employment with local, grassroots, direct-service nonprofits while others find work with grant-making foundations. Many work in affiliates of well-known national organizations such as:
- American Red Cross
- America's Second Harvest
- Humane Society of the United States
- March of Dimes
- National Urban League
- United Way
- youth-serving entities such as Big Brothers Big Sisters, Boys and Girls Clubs, Boy Scouts of America, Girl Scouts of the USA, Camp Fire USA and the YMCA of the USA

Increasing opportunities in the nonprofit sector include careers across the spectrum of community issues such as the arts, environment, health care and others. Typical positions include roles as:
- field executives
- fund development directors
- program directors
- program officers for grant-making organizations
- volunteer program managers

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

\section*{Nonprofit Leadership and Management (American Indian Studies), BS (PPNLMAIBS) \\ Campus: Downtown Phoenix}

\section*{Program Description:}

Through the BS program in nonprofit leadership and management, students are empowered to become successful professionals who work to advance the quality of life in communities. The nonprofit sector in the United States is unique in form and function. This sector includes institutions and individuals situated between government, public, business and commerce sectors. Students in the nonprofit leadership and management program learn about the nonprofit sector through curriculum instruction and field experience. Many students in the nonprofit sector work with American Indian populations. The concentration in American Indian studies familiarizes students with American Indian worldviews, current issues and tribal governance.

The required internship component of the program leads students to professional opportunities within the nonprofit sector. Students also may choose to pursue the National Certified Nonprofit Professional credential through ASU's affiliation with the Nonprofit Leadership Alliance.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements. Freshman (https://students.asu.edu/freshman/requirements) Transfer (https://transfer.asu.edu/index.php?q=transferrequirements) International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Most of the major nonprofit organizations in Arizona work with American Indian populations providing services and expertise. Thus, career options are extensive and include many of the nonprofit organization in the state and beyond. Careers fields may include youth programming, fundraising, volunteer management and social services provision.

\section*{Contact Information:}

Public Service and Community Solutions, College of School of Community Resources and Development https://scrd.asu.edu
UCENT 550
scrdAdvising@asu.edu
602-496-0550

\section*{Parks and Recreation Management, BS (PPPRMBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS program in parks and recreation management provides a transdisciplinary education in the management of parks, protected areas, community-based recreation services and special-event management. The parks and recreation field emerged from the youth development, recreation and park movements of the late 19th century. Students learn to integrate the managerial, natural and social sciences to make informed decisions for recreation service delivery.

The curriculum of classroom instruction and field experiences covers:
- communication
- history
- inclusive services
- management
parks and recreation policy
- planning
- programming

The required internship component of the program allows students to gain practical experience in the parks and recreation professions. The bachelor's degree program in parks and recreation management prepares students for professional positions in a variety of public, private and nonprofit organizations. The National Recreation and Park Association accredits this degree program. There are three areas of emphasis:
- community recreation services management
- natural resource recreation management
- special event management

Students interested in the Bachelor of Science in parks and recreation management also may be interested in the school's therapeutic recreation program. Students should see the school website for details.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Community Resources and Development (Parks and Recreation Management), MS
Community Resources and Development (Sustainable Communities), MS
Community Resources and Development, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

This degree program prepares students for professional positions in a variety of public, private and nonprofit organizations. Graduates are employed in a variety of settings in Arizona, nationally and abroad. Graduates find employment in such diverse settings as:
- armed forces recreation
- city park and recreation departments
- county and state park agencies
- federal natural resource agencies
- hospitals and care facilities
- nonprofit recreation programs
- private and commercial recreation facilities
- special event management
- sport venues
- youth agencies

In such settings, graduates design, develop and manage services that address the recreational needs of a particular clientele.

\section*{Contact Information:}

Public Service and Community Solutions, College of School of Community Resources and Development https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

\section*{Parks and Recreation Management (Therapeutic Recreation), BS (PPPRMTRBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS in parks and recreation management with a concentration in therapeutic recreation prepares students for national professional certification in therapeutic recreation. The program is designed for students who have an interest in providing therapeutic interventions and adaptive recreation services for individuals with social problems, illnesses and disabling conditions. The required internship component of the program allows students to gain practical experiences in the therapeutic recreation field.
choose this concentration are truly committed to improving people's lives and contributing to their communities.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Community Resources and Development (Parks and Recreation Management), MS
Community Resources and Development (Sustainable Communities), MS
Community Resources and Development, MS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)

Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

There is a wide range of job opportunities for therapeutic recreation professionals including in clinical settings, such as hospitals and nursing homes, adventure programming for youth-at-risk and people with disabilities, and community programs offered through parks and recreation departments.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

\section*{Public Service and Public Policy, BS (PPPAFBS)}

\author{
Campus: Downtown Phoenix, Online
}

\section*{Program Description:}

The BS program in public service and public policy prepares students for work in government at all levels and in nonprofit organizations through comprehensive coverage of topics in public policy, public leadership and management, and urban studies.

Students discover the challenges of management and learn how to lead a public organization and understand the process of policy development. This program examines the public sector and addresses, in a practical way, the challenges facing the public. The program is unique because it enables students to study public service, policy and administration with a professional focus.

Students select one of the following concentrations or focus areas to supplement their core courses:
- American Indian studies
- business
- criminology
- emergency management
- health policy
- law and policy
- nonprofit leadership and management
- parks and recreation management
- public leadership and management (focus area)
- public policy (focus area)
- science and technology
- social services delivery
- sustainability
- urban studies (focus area)

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (NonProfit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration - Downtown Phoenix, MPA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-public-service-and-public-policy?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A minimum 2.00 cumulative GPA is required to change into this program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag) Dine College(https://transfer.asu.edu/tag) Eastern Arizona College(https://transfer.asu.edu/tag) Gila Community College(https://transfer.asu.edu/tag) Mohave Community College(https://transfer.asu.edu/tag) Northland Pioneer College(https://transfer.asu.edu/tag) Pima Community College(https://transfer.asu.edu/tag) Tohono O'odham Community College(https://transfer.asu.edu/tag) Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)

\section*{Career Opportunities:}

This degree program provides students with the knowledge and skills to transform government and policy at all levels. The public service sector offers sustainable, exciting and fulfilling career options. Upon graduation, students are empowered to use knowledge of the public sector as a catalyst to change the world. By understanding the challenges facing government and being well-versed in the development of multiple, useful and realistic solutions, students will contribute to the development of local, national and global communities.

The bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/pspp
UCENT 400
spa@asu.edu
602-496-0450
Public Service and Public Policy (American Indian Studies), BS (PPPAFAISBS)
Campus: Downtown Phoenix

\section*{Program Description:}

The School of Public Affairs offers a concentration in American Indian studies as part of the BS in public service and public policy. This concentration program emphasizes tribal sovereignty, cultural integrity and identity of the American Indian nations and peoples, creating a learning environment conducive to critical and creative thought.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (NonProfit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration - Downtown Phoenix, MPA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A minimum 2.00 cumulative GPA is required to change into this program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program is primarily focused on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though students would function successfully in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion.

The American Indian studies concentration provides students with more specialized knowledge about the policy implication of American Indianrelated decisions and actions.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/pspp
UCENT 400
spa@asu.edu
602-496-0450

\section*{Public Service and Public Policy (Business), BS (PPPAFBUBS)}

\author{
Campus: Downtown Phoenix
}

\section*{Program Description:}

The School of Public Affairs offers a concentration in business as part of the BS in public service and public policy. This concentration establishes a core business curriculum while allowing students the flexibility to pursue their passion, from entrepreneurial opportunities to working for a Fortune 500 company. Coursework teaches lasting business concepts.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (NonProfit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration - Downtown Phoenix, MPA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A minimum 2.00 cumulative GPA is required to change into this program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)

Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program is primarily focused on individuals working in or interested in working in the public sector. The skills and knowledge the students acquire in the program will allow them to successfully function in many other types of organizations as well; however, the primary focus is on public organizations. This bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The business concentration prepares students with an interest in policy to focus on business issues and their policy implications.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/pspp
UCENT 400
spa@asu.edu
602-496-0450

\section*{Public Service and Public Policy (Criminology), BS (PPPAFCBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The School of Public Affairs offers a concentration in criminology as part of the BS in public service and public policy. Criminology continues to be a highly sought-after area and it presents broad policy implications for future public sector professionals. The concentration program introduces students to the fundamental foundations in criminal justice and criminology by preparing them to think critically, contribute to society and enhance public safety.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (NonProfit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration - Downtown Phoenix, MPA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)

\section*{Change of Major Requirements:}

A minimum 2.00 cumulative GPA is required to change into this program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire will allow them to successfully function in many types of organizations, though the primary focus is on public organizations. A bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The criminology concentration provides students with more specialized knowledge about the policy implications of criminology-related decisions and actions.

\section*{Contact Information:}

Public Service and Community Solutions, College of School of Public Affairs
https://spa.asu.edu/pspp
UCENT 400
spa@asu.edu
602-496-0450

\title{
Public Service and Public Policy (Emergency Management and Homeland Security), BS (PPPAFEHBS)
}

Campus: Downtown Phoenix, Online

\section*{Program Description:}

The School of Public Affairs offers a concentration in emergency management and homeland security as part of the BS in public service and public policy. This concentration program provides students with the skills and knowledge to manage and assume positions of leadership within the field of emergency management and homeland security. Concepts of public policy and management are blended together with emergency management principles to enhance and foster critical thinking within the general field of study. More specifically, the program's focus provides the student with a comprehensive perspective which is critically important for today's and tomorrow's disaster managers.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: \(N\)}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (NonProfit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration - Downtown Phoenix, MPA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-science-public-service-and-public-policy-emergency?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A minimum 2.00 cumulative GPA is required to change into this program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:
Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program is primarily focused on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration.

Retiring baby boomers, along with increasing demand for public services, has resulted in an increase in job opportunities for graduates in the public sector. The federal government is the nation's largest employer with nearly two million people employed across the country, and nearly 85 percent of those jobs exist outside the Washington, D.C. area. The federal government is anticipated to hire tens of thousands of new employees for mission-critical positions in the next few years. Students with preparation in academic areas related to public service will have an advantage in that market.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/pspp
UCENT 400
spa@asu.edu
602-496-0450

\section*{Public Service and Public Policy (Health Policy), BS (PPPAFHPBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The School of Public Affairs offers a concentration in health policy as part of the BS in public service and public policy. This program allows students to build a course of study that emphasizes their own areas of interest. The health care industry is continuing to be a major part of the U.S. and world economy.

The concentration in health policy provides students who have an interest in policy to focus on health-related issues and their policy implications. The courses in the concentration are offered by the School of Nutrition and Health Promotion and the School of Human Evolution and Social Change. All the courses are part of the college's regular degree offerings. Thus, students emerge from the program prepared to address policy issues in this substantive area with an understanding of the range of public service careers (including government, nonprofit and for-profit options), the economics of public affairs, the challenge of leadership in the public context, and the dynamics of administering public programs.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (NonProfit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration - Downtown Phoenix, MPA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A minimum 2.00 cumulative GPA is required to change into this program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program is primarily focused on providing students with the knowledge and skills required for entry-and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would function successfully in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion.

The health policy concentration provides students with more specialized knowledge about the policy implication of health-related decisions and actions.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/pspp
UCENT 400
spa@asu.edu
602-496-0450

\title{
Public Service and Public Policy (Law and Policy), BS (PPPAFLPBS) \\ Campus: Downtown Phoenix
}

\section*{Program Description:}

The School of Public Affairs offers a concentration in law and policy as part of the BS in public service and public policy. Through this concentration, students who have an interest in public policy focus on legal issues and the policy implications, broadening their educational experience while concentrating in an area that is in high demand.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (NonProfit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration - Downtown Phoenix, MPA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however the primary focus is on public organizations. This bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies.

For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration.

\section*{Contact Information:}

Public Service and Community Solutions, College of School of Public Affairs
https://spa.asu.edu/pspp
UCENT 400
spa@asu.edu
602-496-0450
Public Service and Public Policy (Nonprofit Leadership and Management), BS
(PPPANLMBS)
Campus: Downtown Phoenix

\section*{Program Description:}

The School of Public Affairs offers a BS in public service and public policy with a concentration in nonprofit leadership and management. The role of nonprofit organizations continues to grow and presents broad policy implications for future public sector professionals. This concentration program empowers students to understand the unique aspect of the social, political, economic and philanthropic factors related to the nonprofit sector.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: Genera

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration - Downtown Phoenix, MPA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A minimum 2.00 cumulative GPA is required to change into this program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)

Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however, the primary focus is on public organizations. This bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The nonprofit leadership and management concentration provides students with more specialized knowledge about the policy implications of the nonprofit sector.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/pspp
UCENT 400
spa@asu.edu
602-496-0450

\title{
Public Service and Public Policy (Parks and Recreation Management), BS (PPPAPRMBS) \\ Campus: Downtown Phoenix
}

\section*{Program Description:}

The School of Public Affairs offers a BS in public service and public policy with a concentration in parks and recreation management. Leisure and quality of life are an essential part of our society. This concentration program provides students a transdisciplinary education in the management of parks, protected areas and community-based recreation services.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (NonProfit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration - Downtown Phoenix, MPA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:

All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A minimum 2.00 cumulative GPA is required to change into this program. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however, the emphasis is on public organizations. A bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The parks and recreation management concentration provides students with more specialized knowledge about the policy implication of the development and management of leisure in modern life.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/pspp

\title{
Public Service and Public Policy (Science and Technology Policy), BS (PPPAFSTBS)
}

Campus: Downtown Phoenix

\section*{Program Description:}

The School of Public Affairs offers a concentration in science and technology policy as part of the BS in public service and public policy. The science and technology policy concentration prepares students to tackle many of today's most important challenges: climate change, energy, information privacy, public health and global development.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (NonProfit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration - Downtown Phoenix, MPA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

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ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

\section*{Transfer from an Arizona Community College:}

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program is focused primarily on providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion.

The science and technology policy concentration provides students with more specialized knowledge about the policy implication of science and technology-related decisions and actions.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/pspp
UCENT 400
spa@asu.edu
602-496-0450

\section*{Public Service and Public Policy (Social Services Delivery), BS (PPPAFSSBS) \\ Campus: Downtown Phoenix}

\section*{Program Description:}

The School of Public Affairs offers a concentration in social services delivery as part of the BS in public service and public policy. Students with an interest in public policy explore the policy implications of social problems and social welfare programs and broaden their educational experience while concentrating in an area that is in high demand.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (NonProfit Administration), MPA
Public Administration (Public Finance), MPA

Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A minimum 2.00 cumulative GPA is required for current ASU students to change into this major. Students should refer to \(\mathrm{https}: / /\) students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The BS program in public service and public policy is focused primarilyon providing students with the knowledge and skills required for entry- and mid-level supervisory and managerial positions in the public sector, such as city, county, state and federal agencies, though they would successfully function in many other types of organizations as well. For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration.

Retiring baby boomers and an increasing demand for public services have resulted in an increase in job opportunities for graduates in the public
sector. The federal government is the nation's largest employer with nearly two million people employed across the country, and nearly 85 percent of those jobs exist outside the Washington, D.C. area. The federal government is anticipated to hire tens of thousands of new employees for mission-critical positions in the next few years. Students with preparation in academic areas related to public service and social services delivery will have an advantage in that market.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/pspp
UCENT 400
spa@asu.edu
602-496-0450

\section*{Public Service and Public Policy (Sustainability), BS (PPPAFSBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS program in public service and public policy prepares students for work in government at all levels and nonprofit organizations through comprehensive coverage of topics in public policy, public leadership and management, and urban studies.

Sustainability continues to be a highly sought-after area and it presents broad policy implications. Through this concentration, students explore the challenges of sustainability and how it may be used to develop solutions to pressing issues at local and global levels.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Public Administration (Emergency Management), MPA
Public Administration (NonProfit Administration), MPA
Public Administration (Public Finance), MPA
Public Administration (Urban Management), MPA
Public Administration - Downtown Phoenix, MPA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program is primarily focused on individuals working or seeking work in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations, though the primary focus is on public organizations. This bachelor's degree program in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The sustainability concentration provides students with more specialized knowledge about the policy implication of sustainability-related decisions and action.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/pspp
UCENT 400
spa@asu.edu
602-496-0450

\section*{Recreation Therapy, BS (PPRECTBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS program in recreation therapy prepares students for national professional certification in therapeutic recreation. The program is designed for students who have an interest in providing therapeutic interventions and adaptive recreation services in a variety of settings for individuals with social problems, illnesses and disabling conditions. Students develop knowledge and skills to assess individuals, develop plans of service, provide diverse therapeutic interventions, and evaluate and document outcomes of care. They gain competencies to effectively provide comprehensive therapeutic recreation services that include program design and evaluation, individual and group service provision, and advocating for individuals. The required internship component of the program allows students to gain practical experience in the therapeutic recreation field.
program is one of two such programs in Arizona, both offered by the School of Community Resources and Development. This degree has a heavier emphasis on clinical settings such as hospitals and other health care facilities while the BS parks and recreation (therapeutic recreation) is more oriented toward community settings such as parks and recreation departments and state health services departments

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: Genera

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change majors to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

Recreation therapy is a rapidly growing field, given the rising number of returning veterans and an aging population. Graduates are prepared for
work in a wide variety of clinical settings, including hospitals, rehabilitation centers and extended care facilities. Graduates also are qualified to work in community settings such as parks and recreation departments.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

\section*{Social Work, BSW (PPSWUSWU)}

Campus: Downtown Phoenix, West, Tucson

\section*{Program Description:}

Students interested in completing the BSW program in Tucson are encouraged to complete a Transfer Admission Guarantee program. The Tucson location option is only available to transfer students. For admission requirements, students should see https://socialwork.asu.edu/bsw (https://socialwork.asu.edu/content/social-work).

Social work practitioners are committed to the enhancement of individual, family and group problem-solving capacities and the creation of a more nurturing, just and humane social environment. The undergraduate curriculum leads to a Bachelor of Social Work. Juniors and seniors majoring in social work focus on social work courses in social policy and services, human behavior in the social environment, social work practice, research and field instruction in community agencies. In addition, majors take elective courses in related areas.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program
(http://students.asu.edu/admission/wue).

Additional Program Fee: \(Y\)
Second Language Requirement: \(N\)
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Transfer Admission Requirements:
Tucson Students: ASU has a pathway that allows students to complete the ASU Transfer Admission Guarantee in social work, a prescribed sequence of courses that meets the requirements for the community college's Associate of Arts degree and the lower-division requirements for the ASU Bachelor of Social Work. The Tucson program option is only available to transfer students. Upon completion of the TAG, students will complete the remaining requirements for ASU's bachelor's program. Students should seehttps://transfer.asu.edu/ (https://transfer.asu.edu/) for more information about ASU degrees offered at local community colleges.

This program may also accept transfer credit in lieu of a TAG agreement. Students should contact the School of Social Work for details.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The program prepares students to be generalist social work practitioners, focusing on advocacy, referrals, case management and problem-solving functions with individuals, groups, families, organizations and the community.

Employment in social work is expected to increase commensurately with the needs of a growing and diverse population.

Social workers are employed in public and private agencies dealing with a wide variety of social issues, including:
- adoption
- aging
- AIDS
- child abuse
- corrections
- delinquency
- disability
- discrimination
- domestic violence
- family dysfunction
- foster care
- health
- homelessness
- mental health
- poverty
- school-related problems
- substance abuse
- teen pregnancy

Social work skills such as problem-solving, resource utilization, counseling, group work and community organization are also useful for positions with industry in employee relations and mediation.

\section*{Contact Information:}

Public Service and Community Solutions, College of School of Social Work
https://socialwork.asu.edu
UCENT 800
social.work@asu.edu
602-496-0800

\section*{Tourism Development and Management, BS (PPTDMBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

Through the BS program in tourism development and management, students acquire the planning and management skills related to the growth and development of tourism throughout the world. The curriculum prepares students for employment across a wide variety of occupations in the rapidly expanding travel and tourism industry while taking full advantage of its strong connections with the professional tourism community in Phoenix.

The required internship component of the program allows students to gain practical experiences leading to professional positions in various travel, tourism and related fields. Exposure to the practices of heritage tourism, sustainable tourism, resort management, and meeting and convention planning prepares students for successful careers in the travel and tourism industry. While pursuing the bachelor's degree in tourism development and management, a student may also choose to complete a certificate in convention sales and meeting planning. Additionally, students have the opportunity to participate in a study abroad program.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with: Community Resources and Development (Sustainable Communities), MS
Community Resources and Development (Tourism), MS
Community Resources and Development, MS
Sustainable Tourism, MAS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not
see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The travel and tourism industry is the largest employer in the world and the second largest in Arizona. Based upon interests, graduates can seek work in the public, nonprofit or private and commercial sectors. Graduates find employment in such diverse settings as resorts, meeting planning, convention and visitor bureaus, tour operations and commercial recreation businesses. In such settings, graduates design, develop and manage services that address the needs of a particular clientele. The metropolitan Phoenix area is a major hub of tourism in the southwestern U.S. and has experienced rapid growth in:
- air transportation
- business and corporate travel
- gaming and casinos
- meetings and conventions
- resorts and hotels
- sports tourism
- state and national parks

\section*{Contact Information:}

Public Service and Community Solutions, College of School of Community Resources and Development https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

\section*{Tourism Development and Management (Resort and Hotel Leadership), BS (PPTDMRBS) \\ Campus: Downtown Phoenix}

The BS in tourism development and management with a concentration in resort and hotel leadership attracts students and professionals who have interests in the diverse areas of knowledge needed within the accommodations sector, knowledge such as:
- ecological, social and economic sustainability practices in the industry
- hospitality management and leadership
- meeting the expectations of hotel and resort guests
- the interrelated functions within departments of the lodging, food and beverage industries

The concentration program in resort and accommodations leadership provides students an academic option to study in-depth the resort and accommodations system and gain knowledge of the importance of the business relationships between suppliers, intermediaries and vendors, guests, and the public and private sectors. It also prepares students to serve their communities by developing the skills, knowledge, techniques and capabilities needed for addressing major issues related to resorts and other tourism accommodations.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue)

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Community Resources and Development (Sustainable Communities), MS
Community Resources and Development (Tourism), MS
Community Resources and Development, MS
Sustainable Tourism, MAS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Eastern Arizona College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

There are a variety of job opportunities for resort or hotel professionals, ranging from entry-level as a management trainee to an assistant manager or manager in various departments, such as:
- catering and banquet
- convention sales
- front desk
- guest services
- rooms division
- sales and marketing

\section*{Contact Information:}

Public Service and Community Solutions, College of School of Community Resources and Development https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

\section*{Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

The BS program in tourism development and management provides students with the theoretical understanding necessary to maneuver the complexities of one of the world's largest industries. A concentration in sustainable tourism allows students to hone their understanding of the key concepts of sustainability and of how these concepts can be applied to tourism destinations and development.

Students learn the dominant theories and language that make up sustainability science and the skills necessary to measure, create and implement sustainability policies in tourism destinations, from the planning to management stages of development.

Students take courses offered by the School of Sustainability in addition to courses in the School of Community Resources and Development, guaranteeing a strong foundation in the basic theories of the growing field of sustainability while applying these newfound skills to tourism development and management.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Community Resources and Development (Sustainable Communities), MS
Community Resources and Development (Tourism), MS
Community Resources and Development, MS
Sustainable Tourism, MAS
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

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Transfer from an Arizona Community College:

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Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)

\section*{Career Opportunities:}

The area of sustainable tourism is becoming increasingly important. Many tourism businesses are hiring sustainability coordinators. These businesses include hotels, airlines, convention and visitor bureaus, and large attractions. Tour companies, such as those that implement ecotourism and volunteer tourism experiences, are especially interested in employees with a strong sustainable tourism background. Numerous sustainable tourism nonprofit organizations have emerged in recent years, and many government-related tourism organizations also hire those with a strong sustainability focus. Consulting opportunities are available to assist tourism businesses in developing sustainable practices as well.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

\section*{Tourism and Recreation Management, BS (PPTRMBS)}

Campus: Lake Havasu, Online

\section*{Program Description:}

Through the BS program in tourism and recreation management, students acquire the planning and management skills needed to work in the growing tourism and recreation industries throughout the world. Selecting one of four emphasis areas: tourism, recreation, events or sports, the curriculum prepares students for employment across a wide variety of occupations. These areas of emphasis allow graduates to contribute to community economic and social development and to positively influence quality of life both domestically and abroad. Students are able to gain professional positions in various travel, tourism, recreation, sports and related fields.

Additional Program Fee: N
Second Language Requirement: \(Y\)
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/tourism-and-recreation-management-bs)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Based upon interests, graduates can seek work in the public, nonprofit, or private and commercial sectors. Graduates find employment in such diverse organizations as resorts and hotels, convention and visitor bureaus, and in areas such as business and corporate travel, transportation, tour operations, event and meeting planning and management, and attractions management. Opportunities are also found with city and state parks and recreation departments; youth, recreation and sports-oriented nonprofits; sports and recreation program planning and management; sports events and tourism; and many others. In such settings, graduates plan, design, develop and manage services that address the needs of a particular clientele.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Community Resources and Development
https://scrd.asu.edu
UCENT 550
SCRDAdvising@asu.edu
602-496-0550

\section*{Urban and Metropolitan Studies, BA (PPURBBA)}

Campus: Downtown Phoenix

\section*{Program Description:}

Located in the heart of downtown Phoenix, the BA program in urban and metropolitan studies is for students who have a yearning to study and understand urban theory in order to effectively address the challenges of rapid growth along with other contemporary urban issues.

Students discover what makes the city tick --- and the city is their classroom. They examine challenges and solutions by researching history, society, culture, economy and politics in order to understand urban theory, and they use that knowledge to get involved in their communities. This gives them an outlet through which they can experience practical ways of solving complex problems faced by metropolitan regions. The students are invested in their neighborhoods. Many of them live and work downtown and they learn how to improve urban health and well-being, often training themselves to be the future leaders of urban environments. Others focus on making a wide variety of other contributions to society, studying the role of arts and culture, business and property development, revitalization and community-building in the life of the region.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Second Language Requirement: Yes
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

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Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The urban and metropolitan studies program prepares students for work in a wide range of fields. The transdisciplinary approach of the program allows graduates to successfully enter fields as diverse as urban management, revitalization, community development, urban sustainability and urban planning.

There are many careers and advanced degrees that may be pursued with a bachelor's degree in urban and metropolitan studies. Some of these careers require additional graduate-level studies and professional experience. Students in the program are advised to explore their options with academic and career advisors to prepare an appropriate program of study and plan to participate in an internship that complements their long-term
professional goals.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/ums
UCENT 400
spa@asu.edu
602-496-0450

\section*{Urban and Metropolitan Studies, BS (PPURBBS)}

Campus: Downtown Phoenix

\section*{Program Description:}

Located in the heart of downtown Phoenix, the BS program in urban and metropolitan studies is for students who have a yearning to study and understand urban theory in order to effectively address the challenges of rapid growth along with other contemporary urban issues.

Students in this program discover what makes the city tick --- and the city is their classroom. They examine challenges and solutions by researching history, society, culture, economy and politics in order to understand urban theory, and they use that knowledge to get involved in their communities. This gives them an outlet through which they can experience practical ways of solving complex problems faced by metropolitan regions. The students are invested in their neighborhoods. Many of them live and work downtown, and they learn how to improve urban health and well-being, often training themselves to be the future leaders of urban environments. Others focus on making a wide variety of other contributions to society, studying the role of arts and culture, business and property development, and revitalization and community-building in the life of the region.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states who select this major and campus may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (http://students.asu.edu/admission/wue).

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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\section*{Change of Major Requirements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:
California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

The urban and metropolitan studies program prepares students for work in a wide range of fields. The transdisciplinary approach of the program allows graduates to successfully enter fields as diverse as urban management, revitalization, community development, urban sustainability and urban planning.

There are many careers and advanced degrees that may be pursued with a bachelor's degree in urban and metropolitan studies. Some of these careers require additional graduate-level studies and professional experience. Students in the program are advised to explore their options with academic and career advisors to prepare an appropriate program of study and a plan to participate in an internship that complements their longterm professional goals.

\section*{Contact Information:}

Public Service and Community Solutions, College of
School of Public Affairs
https://spa.asu.edu/ums
UCENT 400
spa@asu.edu
602-496-0450

\section*{Sustainability, School of}

\section*{Sustainability, BA (SUSUSTBA)}

Campus: Polytechnic, Tempe, Online

\section*{Program Description:}

Students in ASU's School of Sustainability are rethinking and reinventing the future of a world at risk. The school's programs encourage experiential learning, study abroad (https://schoolofsustainability.asu.edu/student-life/study-abroad (https://schoolofsustainability.asu.edu/student-life/studyabroad/), research with faculty (https://schoolofsustainability.asu.edu/undergraduate-research (https://schoolofsustainability.asu.edu/undergraduate-research/)), community engagement and leadership development (https://schoolofsustainability.asu.edu/student-life/engagement-opportunities (https://schoolofsustainability.asu.edu/student-life/engagementopportunities/)). The knowledge and solutions that are created today will shape the social and environmental quality of life for future generations. Students select from one of four tracks:
- international development and sustainability
- policy and governance in sustainable systems
- society and sustainability
- sustainable urban dynamics

The School of Sustainability offers two degrees in sustainability: a BA and a BS. Both programs introduce students to the concept of sustainability in the context of real-world problems and focus on developing practical solutions to some of the most pressing environmental, economic and social challenges of sustainability. The curriculum trains students to approach challenges with consideration of complex adaptive systems and resilience; interconnections and cascading effects between scales; management of trade-offs; stakeholder engagement; future visioning and scenario typologies for transitioning social-ecological systems; and other cutting-edge frameworks.

The Bachelor of Arts is geared toward students interested in the social and human aspects of sustainability in global, regional and local contexts such as international environmental law, urban policy, etc. Disciplinary perspectives included in the core courses of the degree tracks include anthropology, urban planning and design, environmental economics, ethics, geography, philosophy of science, political science, sociology and other disciplines relevant to the sustainability of environmental resources and social institutions.

Students in the School of Sustainability not only gain an understanding of the field of sustainability and strong problem-solving, systems-thinking, stakeholder engagement and future scenario-building skills, they also develop strength in a more traditional discipline of their choice (in addition to their track). Students apply the skills from their core Bachelor of Arts classes and knowledge from their track and related discipline courses in two required capstone experiences in the senior year.

Capstone requirements consist of an internship (https://schoolofsustainability.asu.edu/student-life/sustainability-internships-opportunities (https://schoolofsustainability.asu.edu/student-life/sustainability-internships-opportunities/)) with a sustainability-focused organization and a workshop course in which students work together as a team to develop solutions to real sustainability problems. These workshops are great resume builders as they usually include real work for actual organizations such as city governments, sports organizations, nonprofits, local and global companies, local schools, and ASU Facilities or Sustainability Practices. Students are also offered workshops on making documentary films, redesigning buildings and downtown areas, and other engaging projects.

Students graduate with a portfolio of accomplishments and skills. They also have the opportunity to participate in study abroad programs, student organizations (https://schoolofsustainability.asu.edu/student-life/engagement-opportunities (https://schoolofsustainability.asu.edu/student-life/engagement-opportunities/)), professional development workshops and hands-on initiatives such as ProMod (https://schoolofsustainability.asu.edu/student-life/student-sustainability-research/promod (https://schoolofsustainability.asu.edu/student-life/student-sustainability-research/promod/)).

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: SOS 101 - Intro Appl Math Life \& Soc Sci
Program Math Intensity: Moderate

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with Supply Chain Management, BS

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Sustainability Solutions, MSUS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
The School of Sustainability has higher admission requirements. Applicants must select a second choice for their major on the application. Students who are not admitted to the School of Sustainability and who did not select a second major or are not admissible to the second major choice will be admitted to the exploratory social and behavioral sciences program within the College of Integrative Sciences and Arts. Students with more than 45 transfer hours who are not admissible to the College of Integrative Sciences and Arts will be contacted to select an appropriate major.

Freshman applicants must meet the following standards:

\footnotetext{
- Minimum cumulative high school GPA of \(3.00(4.00=\) "A") in competency courses (https://students.asu.edu/admission/competencies) AND
}
- rank in the top 25 percent of their high school graduating class OR
- an SAT combined score of
- 1040 or higher (if taken prior to March 2016) or
- 1120 or higher (if taken in or after March 2016) OR
- an ACT combined score of 22 or higher.

Transfer Admission Requirements:
Transfer students (those with 12 or more transfer credit hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher. The School of Sustainability will review transfer applications that fall below this GPA level on an individual basis.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-sustainability?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

ASU students who would like to change their major to sustainability are required to have a cumulative ASU GPA of 3.00 or higher (based on at least 12 credit hours of ASU coursework). Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

In addition to going on to graduate school, graduates of the program are qualified for well-paying positions in:
- consultancy
- government
- industry
- intergovernmental organizations
- international development
- management
- municipalities
- nongovernmental organizations
- nonprofits
- policy-making enterprises
- regulatory agencies
- utilities

Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators, directors and managers). Of undergraduate alumni who have shared their experiences with the school (https://schoolofsustainability.asu.edu/careers/employment-data (https://schoolofsustainability.asu.edu/careers/employment-data/)), 79 percent are employed in sectors such as those listed above and 16 percent have gone on to a graduate program. Of those employed, 70 percent have jobs directly related to sustainability. Sustainability students offer employers and graduate programs an integrated approach to developing solutions to sustainability challenges. They understand the complexity of systems, have engaged in a range of knowledge and experience from different disciplinary perspectives, and understand the importance of planning for the future and how to engage stakeholders in that process. Graduates of the program are adaptable and prepared for a changing world.

\section*{Contact Information:}

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-and-programs/undergraduate-degree-programs/bachelor-arts/
WGHL 108
schoolofsustainability@asu.edu
480-727-6963

\section*{Sustainability, BS (SUSUSTBS)}

Campus: Polytechnic, Tempe, Online

\section*{Program Description:}

Students in ASU's School of Sustainability are rethinking and reinventing the future of a world at risk. The school's programs encourage experiential learning, study abroad (https://schoolofsustainability.asu.edu/student-life/study-abroad (https://schoolofsustainability.asu.edu/student-life/studyabroad/)), research with faculty (https://schoolofsustainability.asu.edu/undergraduate-research (https://schoolofsustainability.asu.edu/undergraduate-research/)), community engagement and leadership development (https://schoolofsustainability.asu.edu/student-life/campus-experience (https://schoolofsustainability.asu.edu/student-life/campus-experience/)). The knowledge and solutions that are created today will shape the social and environmental quality of life for future generations. Students select from one of three tracks: economics of sustainability; sustainable ecosystems; and sustainable energy, materials and technology.

The School of Sustainability offers two degrees in sustainability: a BA and a BS. Both programs introduce students to the concept of sustainability in the context of real-world problems and focus on developing practical solutions to some of the most pressing environmental, economic and social challenges of sustainability. The curriculum trains students to approach challenges with consideration of complex adaptive systems and resilience; interconnections and cascading effects between scales; management of trade-offs; stakeholder engagement; future visioning and scenario typologies for transitioning social-ecological systems; and other cutting-edge frameworks.

The Bachelor of Science is geared toward students interested in the more quantitative aspects of sustainability, such as energy, economics and ecology. Disciplinary perspectives included in the core courses of the degree tracks include ecology, engineering, environmental economics, environmental science, conservation biology, hydrology, physical geography, earth-systems management and other disciplines relevant to the sustainability of environmental resources and social institutions.

Students in the School of Sustainability not only gain an understanding of the field of sustainability and strong problem-solving, systems-thinking, stakeholder engagement and future scenario-building skills, they also develop strength in a more traditional discipline of their choice, in addition to their track. Students apply the skills from their core Bachelor of Science classes and knowledge from their track and related discipline courses in two required capstone experiences in the senior year.

Capstone requirements consist of an internship with a sustainability-focused organization and a workshop course in which students work together as a team to develop solutions to real sustainability problems. These workshops are great resume builders as they usually include real work for actual organizations such as city governments, sports organizations, nonprofits, local and global companies, local schools, and ASU Facilities or Sustainability Practices. Students also are offered workshops on making documentary films, redesigning buildings and downtown areas, and other

Students graduate with a portfolio of accomplishments and skills. They also have the opportunity to participate in study abroad programs, student organizations (https://schoolofsustainability.asu.edu/student-life/engagement-opportunities (https://schoolofsustainability.asu.edu/student-life/engagement-opportunities/)), professional development workshops, and hands-on initiatives such as ProMod (https://schoolofsustainability.asu.edu/student-life/student-sustainability-research/promod (https://schoolofsustainability.asu.edu/student-life/student-sustainability-research/promod/)).

\section*{Additional Program Fee: N}

Second Language Requirement: Yes
First Required Math Course: SOS 101 - Intro Appl Math Life \& Soc Sci
Program Math Intensity: Moderate

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with Sustainability Solutions, MSUS Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

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All students are required to meet general university admission requirements.
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Freshman applicants must meet the following standards:
- Minimum cumulative high school GPA of 3.00 ( \(4.00=\) " A ") in competency courses (https://students.asu.edu/admission/competencies) AND
- rank in the top 25 percent of their high school graduating class OR
- an SAT combined score of
- 1040 or higher (if taken prior to March 2016) or
- 1120 or higher (if taken in or after March 2016) OR
- an ACT combined score of 22 or higher.

Transfer Admission Requirements:
Transfer students (those with 12 or more transfer credit hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher. The School of Sustainability will review transfer applications that fall below this GPA level on an individual basis.

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-sciencesustainability)

\section*{Change of Major Requirements:}

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Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

In addition to going on to graduate school, graduates of the program are qualified for well-paying positions in:
- consultancy
- energy management
- government
- industry
- intergovernmental organizations
- international development
- management
- municipalities
- natural resource management
- nongovernmental organizations
- nonprofits
- policy-making enterprises
- regulatory agencies
- utilities
- waste management
- water management

Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators, directors and managers). Of undergraduate alumni who have shared their experiences with the school (https://schoolofsustainability.asu.edu/careers/employment-data (https://schoolofsustainability.asu.edu/careers/employment-data/)), 79 percent are employed in sectors such as those listed above and 16 percent have gone on to a graduate program. Of those employed, 70 percent have jobs directly related to sustainability. Sustainability students offer employers and graduate programs an integrated approach to developing solutions to sustainability challenges. They understand the complexity of systems, have engaged in a range of knowledge and experience from different
disciplinary perspectives, and understand the importance of planning for the future and how to engage stakeholders in that process. Graduates of the program are adaptable and prepared for a changing world.

\section*{Contact Information:}

Sustainability, School of
School of Sustainability
https://schoolofsustainability.asu.edu/degrees-and-programs/undergraduate-degree-programs/bachelor-science/
WGHL 108
schoolofsustainability@asu.edu
480-727-6963

\section*{Teachers College, Mary Lou Fulton}

\section*{Early Childhood and Early Childhood Special Education, BAE (TEECSEBAE)}

\author{
Campus: Tempe
}

\section*{Program Description:}

The BAE program for early childhood and early childhood special education prepares students for certification in both early childhood education (birth to age 8 or grade 3) and early childhood special education (birth to age 8 or grade 3).

This is a premier program taught by nationally renowned faculty who emphasize community connectedness, technology integration, policy analysis and advocacy related to young children with or without disabilities or developmental delays.

The program teaches child development, best practices in early childhood education and the skills to assess, monitor and report the progress of children with and without disabilities. It provides techniques and approaches to involve family members in the growth and development of young children.

The teacher certification program in early childhood and early childhood special education is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Students complete internships during their junior year that require one to two days per week in a classroom and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools coach interns and student teachers during required preschool and grades K-3 general education and special education clinical experiences. The clinical experience provided by the program, known as iTeachAZ, is unmatched in Arizona. It provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

This program also offers a full, structured English immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

Graduates are recommended for teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona educator exams, National Evaluation Series or Arizona Educator Proficiency Assessments, to be certified to teach in the state of Arizona.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

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Mohave Community College(https://transfer.asu.edu/tag)
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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

There is a strong demand for early childhood special education teachers in Arizona. A high percentage of students from this program receive job offers during their senior year residency. Many graduates with a degree in early childhood special education hold leadership positions in Head Start, private nonprofit and private for-profit center-based programs and public school early childhood environments. Early childhood certification or endorsement is required for teaching kindergarten in Arizona.

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
http://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Education Exploratory, (TEEDUEXPL)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

Students in the education exploratory track have the unique opportunity to explore different certification areas prior to selecting one of many majors within the Mary Lou Fulton Teachers College. During the program's course, TEL 101 The Teachers College Experience, and through specific events scheduled throughout freshman year, students on this track are exposed to all programs and certification areas. Students make a more informed decision about the grade level or subject they want to teach while the exploratory track keeps them on track to graduate from any of the BAE programs. This track does not lead to a degree, and students need to declare a major after completion of 30 credit hours.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements:
Admission is restricted to first-time freshmen only. Please contact EducationAdvising@asu.edu (mailto:EducationAdvising@asu.edu) for questions regarding admission and program eligibility.

\section*{Change of Major Requirements:}

A student of freshmen standing with fewer than 24 credits is eligible for a change of major. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:
Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

All students in the education exploratory program are poised to graduate from one of the majors within Mary Lou Fulton Teachers College.

Information for those career opportunities can be found under each major

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
http://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Educational Studies, BAE (EDSLSTBAE)}

Campus: Polytechnic, Tempe, West, Online

\section*{Program Description:}

Learning happens everywhere and at all ages. The BAE program in educational studies prepares graduates to work with children, youth and adults in nonprofit settings, community institutions, civic organizations and businesses. The degree program provides a foundation for students to shape the role of education in society and the act of learning. It also helps graduates with effective communication, collaboration, effective leadership, advocacy and innovation. Graduates have identities as educators wherever life takes them, and graduates are ready to help others learn and change the face of learning throughout society.

The BAE in educational studies is intended for students seeking a career in education outside the classroom. This degree does not lead to teacher certification.

Veterans may be interested in this program, as credit may be offered for military service.

An educational studies minor is also available to ASU students in other degree programs.

Additional Program Fee: \(N\)
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Accelerated Degrees:}

Accelerated bachelors-masters degree options: This degree is also offered in an accelerated format with:
Educational Policy, MA
Learning Sciences, MA
Acceptance to the graduate program requires a separate application. During their junior and senior years, eligible students will be advised by their academic departments to apply.

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Attend Online: ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here. (https://asuonline.asu.edu/online-degree-programs/undergraduate/bachelor-arts-education-educational-studies?utm_source=asu\&utm_medium=degree-search\&utm_campaign=asu)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates earn a versatile degree that qualifies them for a variety of career paths working with nonprofit or government organizations, private educational or recreational settings, and as innovators, advocates and leaders with organizations that support the development of children, youth and adults. This degree also prepares undergraduate students for graduate degrees in education or education-related fields.

Students may explore career tracks for this degree at https://www.education.asu.edu/sites/default/files/Ed-studies-career-tracks.pdf (https://www.education.asu.edu/sites/default/files/Ed-studies-career-tracks.pdf).

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Educational Leadership \& Innovation, Division
http://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Elementary Education, BAE (TEEEDBAE)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The elementary education BAE program leads to elementary education certification in the state of Arizona for grades K-8.

This program offers students a firm grounding in academic content with current research and best practices, accompanied by real-world classroom experiences. Faculty are nationally recognized in their fields of expertise. This program also provides extensive experiences in integrating technology into teaching.

The teacher certification program for elementary education is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during their junior year that require one day per week in grades K-8
classrooms and student teaching, which is a full-time, year-long apprenticeship known as their senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, is unmatched in Arizona. It provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates are recommended for grades K-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona educator exams, National Evaluation Series or Arizona Educator Proficiency Assessments, to be certified to teach in the state of Arizona.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:
Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

There is a demand for highly qualified elementary teachers in Arizona. A high percentage of students from this program receive job offers during their student teaching. Many graduates with a degree in elementary education work in:
- charter schools
- nontraditional settings
- private school settings
- public elementary schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
http://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Elementary Education (Bilingual Education and English as a Second Language), BAE (TEDLLBAE)}

\author{
Campus: Tempe
}

\section*{Program Description:}

The BAE program for elementary education with a concentration in bilingual education and English as a second language offers students a firm grounding in current research about and best practices for English language learners, accompanied by real-world classroom experiences.

Students learn principles of first- and second-language acquisition, foundations of various program models, global awareness and diversity in families and communities in multicultural settings, as well as academic content areas including math, language arts, computer literacy and science with a specific focus on meeting the academic and linguistic needs of English language learners.

The elementary education, bilingual education and English as a second language teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades K-8 classrooms and student teaching, which is a full-time, year-long apprenticeship known as their senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences with high concentrations of English language learners. The clinical experience provided by the program, known as iTeachAZ, is unmatched in Arizona. It provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

The program requires six credit hours of a foreign language or its equivalent and enables students to work with second-language learners.

Graduates are recommended for grades K-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona educator exams, National Evaluation Series or Arizona Educator Proficiency Assessments, to be certified to teach in the state of Arizona. In addition, students must complete six credit hours of a foreign language or equivalent and pass an appropriate language proficiency test to be eligible for the BLE endorsement.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

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Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

There is a great demand for teachers in Arizona with a bilingual education ESL endorsement. A high percentage of students from this program receive job offers during their student teaching. Many graduates with a degree in elementary education work in:
- charter schools
- nontraditional settings
- private school settings
- public elementary schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
http://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555
Elementary Education (Science, Technology, Engineering and Mathematics), BAE

\section*{(TEESTEMBAE)}

\author{
Campus: Polytechnic
}

\section*{Program Description:}

The BAE program in elementary education with an emphasis on science, technology, engineering and mathematics has course work designed for teachers looking to advance their skills in STEM disciplines and learn techniques to effectively engage K-12 learners in the 21st century. The coursework addresses essentials for educators to equip the learners with the specialized knowledge needed in STEM topics to solve challenging problems and apply critical thinking skills. The STEM program offers students a firm grounding in science, using the tools of technology, the processes of engineering and the language of math, with current research and best practices accompanied by real-world experiences.

The elementary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades K-8 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences in math or science settings. The clinical experience provided by the program, known as iTeachAZ, is unmatched in Arizona. It provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates are recommended for grades K-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona educator exams, National Evaluation Series or Arizona Educator Proficiency Assessments, to be certified to teach in the state of Arizona.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

There is a demand for highly qualified elementary teachers in math or science in Arizona, according to recent research on teacher supply and demand. The job opportunities in a fast growing state such as Arizona are numerous, and demand for math and science teachers will continue to grow.

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
http://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education, BAE (TESEDBAE)}

Campus: Polytechnic, Tempe, West, The Gila Valley, Yuma

\section*{Program Description:}

This program is available at Eastern Arizona College and Arizona Western College in partnership with the secondary education Transfer Admission Guarantee program.

This program is only available as a concurrent degree for students at ASU's Tempe, Polytechnic and West campuses who are pursuing majors that align with content taught in a secondary education setting. For more information how to add this program as a concurrent degree, students should contact the Mary Lou Fulton Teachers College advising office.

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full, structured English immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the Mary Lou Fulton Teachers College collaborates with academic departments across the university. Secondary education certification is offered in the following content areas, depending on campus location: biological sciences, chemistry, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide students with multiple opportunities to apply knowledge learned in coursework to practice in the classroom. Mary Lou Fulton Teachers College students complete internships during the junior and senior years, one day a week ( 75 hours each semester), while enrolled in upper-division education courses. The culminating experience is a student teaching practicum, which requires working alongside a highly qualified mentor teacher, full-time, for the entire semester. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Second Language Requirement: N
First Required Math Course: MAT 170 - Precalculus
Program Math Intensity: Moderate

\section*{Concurrent Degrees:}

This degree is also offered as concurrent degree program with:
Biological Sciences, BS
Chemistry, BA

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Transfer Admission Requirements:
ASU has a pathway that allows students to complete the ASU Transfer Admission Guarantee in secondary education, a prescribed sequence of courses that meets the requirements for the community college's Associate of Arts degree and the lower-division requirements for the ASU Bachelor of Arts in Education in secondary education. Upon completion of the TAG, students will complete the remaining requirements for ASU's secondary education BAE at a local community college. Visit https://transfer.asu.edu/ (https://transfer.asu.edu/) for more information about ASU degrees offered at local community colleges. Applicants must have completed the TAG agreement and earned an associate degree for acceptance to the bachelor's degree program.

\section*{Change of Major Requirements:}

This program is only available as a concurrent degree at ASU's Tempe, Polytechnic and West campuses. Students should contact the advising office to add this program as a concurrent degree.

A current ASU student at ASU@The Gila Valley or ASU@Yuma must have completed all lower-division requirements and hold a 2.50 GPA in order to change majors to this program. Eligible students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:
Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)

Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:
- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education (Biological Sciences), BAE (TEBIOBAE)}

\author{
Campus: Polytechnic, Tempe, West
}

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams, National Evaluation Series or Arizona Educator Proficiency Assessments, to be certified to teach in the state of Arizona.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 170-Precalculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}
(https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:
- charter schools
- private school settings
public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education (Chemistry), BAE (TECHMBAE)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong
theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full structured English immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams, National Evaluation Series or Arizona Educator Proficiency Assessments, to be certified to teach in the state of Arizona.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)

Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:
- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education (Earth and Space Sciences), BAE (EDESSBAE)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or the Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:
- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555
Secondary Education (Economics), BAE (EDECNBAE)
Campus: Polytechnic, Tempe, West

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full structured English immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: biological sciences, chemistry, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or the Arizona Educator Proficiency Assessments) in both content area and professional knowledge to be certified to teach in the state of Arizona.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag) Cochise College(https://transfer.asu.edu/tag) Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)

Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:
- charter schools
- private school settings
public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education (English), BAE (TEENGBAE)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also provides extensive experiences in integrating technology into teaching.

The teacher certification program for secondary education is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change the major to this program.

\section*{Transfer Agreements:}

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South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:
- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full structured English immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: biological sciences, chemistry, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

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Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
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Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

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- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education (Geography), BAE (EDGCUBAE)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full structured English immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: biological sciences, chemistry, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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\section*{Transfer Agreements:}

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
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\section*{Career Opportunities:}

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- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation

\title{
Secondary Education (German), BAE (EDGERBAE)
}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also offers a full structured English immersion endorsement to work with English language learners and provides extensive experiences in integrating technology into teaching.

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\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
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Transfer from an Arizona Community College:

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Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

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Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

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\section*{Contact Information:}

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Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education (History), BAE (TEHISBAE)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also provides extensive experiences in integrating technology into teaching.

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Additional Program Fee: N
Second Language Requirement: N

\section*{Admission Requirements:}

General University Admission Requirements:
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Transfer from another state:

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\section*{Career Opportunities:}

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```

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education (Japanese), BAE (EDJPNBAE)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

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\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:
- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education (Mathematics), BAE (TEMATBAE)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:
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Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from the secondary education program are recommended for certification in an approved area for grades 6-12. The demand for wellprepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:
- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education (Physical Education), BAE (ECPPEBAE)}

Campus: Polytechnic

\section*{Program Description:}

The BAE program in secondary education with a physical education concentration leads to a K-12 teaching certificate. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach elementary, middle or high school students. The curriculum directly aligns with Arizona's standards for teachers and the National Association for Sport and Physical Education's beginning teacher standards. This program also provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified in the state of Arizona.

Additional Program Fee: N
Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

Additional Requirements: Students will be admitted to the preprofessional status and must complete additional requirements for entrance to the professional status. See department web site for more information.

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

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Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from secondary education with a physical education concentration are recommended for certification for grades K-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:
- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
SANCA 331
educationadvising@asu.edu
480-727-1103

\section*{Secondary Education (Physics), BAE (EDPHYBAE)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 270-Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
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\section*{Change of Major Requirements:}

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\section*{Transfer Agreements:}

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Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous.
- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education (Political Science), BAE (TEPOLBAE)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from our partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
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\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should refer to https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

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Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)
Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:
- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu
ED 118
educationadvising@asu.edu
480-965-5555

\section*{Secondary Education (Spanish), BAE (TESPABAE)}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BAE program in secondary education prepares educators to teach youth enrolled in grades 6-12. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the skills and teaching abilities required to successfully teach middle or high school students. This program also provides extensive experiences in integrating technology into teaching.

The secondary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in preK-12 classrooms. Mary Lou Fulton Teachers College students complete internships during the junior year that require one day per week in grades 6-12 classrooms and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142-College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}

A current ASU student has no additional requirements for changing majors. Students should see https://students.asu.edu/changingmajors (https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

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Transfer from a Maricopa Community College in Arizona:

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn) Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities}

Graduates from secondary education are recommended for certification in an approved area for grades 6-12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous.
- charter schools
- private school settings
- public schools

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

\title{
Special Education and Elementary Education, BAE (TESPEBAE)
}

Campus: Polytechnic, Tempe, West

\section*{Program Description:}

The BAE program in special education and elementary education leads to the following teaching certificates: Mild-Moderate Disabilities Special Education, K-12 and Elementary Education, grades K-8. The certification program prepares students to work with both typical children and youths and those with mild to moderate disabilities in inclusive settings. This program also provides extensive experiences in integrating technology into teaching.

The bachelor's degree program is designed to give preservice teachers foundational knowledge in evidence-based practices for children with special learning needs, with a firm grounding in general education content and evidence-based practices in literacy, math, sciences, health and social studies; integration of technology into all areas; and real-world experience in classrooms through the iTeachAZ program.

The special education and elementary education teacher certification program is clinically embedded during the junior and senior years. The primary goal of all clinical experiences is to provide interns and student teachers with multiple opportunities to apply knowledge learned in coursework to practice in PreK-12 classrooms. Students in the Mary Lou Fulton Teachers College complete internships during the junior year that require one day per week in grade K-8 classrooms serving students with special needs, and student teaching, which is a full-time, year-long apprenticeship known as the senior year residency. Mary Lou Fulton Teachers College faculty and highly qualified mentor teachers from partner school districts and charter schools collaboratively coach interns and student teachers during required clinical experiences. The clinical experience provided by the program, known as iTeachAZ, provides students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive, hands-on clinical experience model of teacher preparation creates highly sought-after graduates.

Because the general education classroom is a viable placement option for many students with mild and moderate learning and behavioral disabilities, training special education teachers to collaborate is emphasized throughout the professional preparation sequence. Students receive additional training in interpersonal communication and problem-solving skills. They also learn adaptive techniques and assistive technologies that facilitate the successful integration of students with diverse learning needs into general education classrooms.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona educator exams (either the National Evaluation Series or Arizona Educator Proficiency Assessments) to be certified to teach in the state of Arizona. Graduates receive mild to moderate certification in special education for K-12 students with mild to moderate intellectual disabilities, emotional disorders, specific learning disabilities, orthopedic impairments and other health impairments. They also receive an elementary certificate for teaching grades K-8.

\section*{Additional Program Fee: N}

Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

\section*{Admission Requirements:}

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (https://students.asu.edu/freshman/requirements)
Transfer (https://transfer.asu.edu/index.php?q=transferrequirements)
International (https://students.asu.edu/international/future)
Readmission (https://students.asu.edu/readmission)

\section*{Change of Major Requirements:}
(https://students.asu.edu/changingmajors) for information about how to change a major to this program.

\section*{Transfer Agreements:}

ASU has partnered with colleges and universities in Arizona, California, Illinois and Washington to provide transfer curriculum pathways. Select where you are transferring from to see if there is a partnership agreement between your institution and ASU for this degree program. If you do not see your state or institution listed, please check back as we are always working on creating new partnerships.

\section*{Transfer from a Maricopa Community College in Arizona:}

Chandler-Gilbert Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Estrella Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
GateWay Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Glendale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Mesa Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Paradise Valley Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Phoenix College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Rio Salado College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
Scottsdale Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)
South Mountain Community College(http://transfer.asu.edu/maricopa/maricopa-county-community-college-district/mapp\%2Brn---bsn)

Transfer from an Arizona Community College:

Arizona Western College(https://transfer.asu.edu/tag)
Central Arizona College(https://transfer.asu.edu/tag)
Cochise College(https://transfer.asu.edu/tag)
Coconino Community College(https://transfer.asu.edu/tag)
Dine College(https://transfer.asu.edu/tag)
Eastern Arizona College(https://transfer.asu.edu/tag)
Gila Community College(https://transfer.asu.edu/tag)
Mohave Community College(https://transfer.asu.edu/tag)
Northland Pioneer College(https://transfer.asu.edu/tag)
Pima Community College(https://transfer.asu.edu/tag)
Tohono O'odham Community College(https://transfer.asu.edu/tag)
Yavapai College(https://transfer.asu.edu/tag)

Transfer from another state:

California(https://transfer.asu.edu/california)
Illinois(https://transfer.asu.edu/illinois)
Washington(https://transfer.asu.edu/washington)

\section*{Career Opportunities:}

National and state studies report the projected need in the next five to 10 years will be high for special education teachers. Graduates of the program are eligible to teach in elementary education grades \(\mathrm{K}-8\) and \(\mathrm{K}-12\) for the following high-incidence disabilities:
- emotional disorders
- intellectual disabilities (mild or moderate)
- orthopedic impairments
- other health impairments
- specific learning disabilities

Graduates can teach in a variety of inclusive educational settings, including public, charter and private schools, as well as nontraditional settings (juvenile system, children's hospital, etc.).

\section*{Contact Information:}

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
https://education.asu.edu/
ED 118
educationadvising@asu.edu
480-965-5555

\section*{2018-2019 Major Map}

\section*{Accountancy, BS}

School/College: W. P. Carey School of Business
Location: Tempe campus, West campus
BAACCBS

Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{4}\). & Hours & Minimum Grade & Notes \\
\hline 4. ACC 101: Accountancy LEAP Program & 1 & & \multirow[t]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ACC 101 is the W. P. Carey School course that meets this requirement \\
- Join a student club or organization \\
- Organize and track your activities, events, and experiences with WPC 360 \\
- Create your first college resume
\end{tabular}} \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline \begin{tabular}{l}
Humanities, Arts and Design (HU) AND Historical Awareness (H) \\
Minimum 2.00 GPA ASU Cumulative.
\end{tabular} & 3 & ............. & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & - Failure to successfully complete business skills courses in specified term may lead to a \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & delay in graduation. See your academic \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & advisor for more information and options. \\
\hline ENG 107 or ENG 108: First-Year Composition & & & - Attend W. P. Carey and ASU Career Fairs \\
\hline WPC Career Preparation Course & 0.25 & & - Continue using WPC 360 \\
\hline \begin{tabular}{l}
COM 100: Introduction to Human Communication (SB) OR COM \\
230: Small Group Communication (SB)
\end{tabular} & 3 & & - Explore student leadership opportunities in W. P. Carey \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline Complete CIS 105 course with a grade of "C" or better. & & & \\
\hline Complete MAT 210 with a grade of "C" or better. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline ACC 232: Financial Accounting I & 3 & C & \multirow[b]{3}{*}{- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline LES 305: Business Law and Ethics for Managers & 3 & C \\
\hline ACC 360: Ethics for Professional Accountants & 3 & C \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Term ho & 15 & \\
\hline
\end{tabular}
- Accounting Internship Track students will replace Term 7 courses with courses listed in "Accounting Internship Track Term 7 Courses"
- All Upper Division Business Core Classes (Including International Business Course) must be completed before enrolling in WPC 480
- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume
- Apply for full-time career opportunities
\begin{tabular}{|c|c|c|c|}
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline WPC 480: W. P. Carey Capstone Course (L) & 3 & C & \multirow[b]{3}{*}{- Accounting Internship Track students will replace Term 8 courses with courses listed in "Accounting Internship Track Term 8 Courses"} \\
\hline ACC 430: Taxes and Business Decisions & 3 & C & \\
\hline ACC 450: Principles of Auditing & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & Courses"
- Apply for full-time career opportunities \\
\hline Elective OR WPC 484: Internship & 3 & & - Meet with your academic advisor to discuss \\
\hline Elective & 1 & & your internship course options \\
\hline
\end{tabular}

\section*{- Accounting Internship Track}

To be eligible, students must be W. P. Carey Accountancy majors who have completed a minimum of 72 credit hours of coursework and earned a minimum cumulative GPA of 3.50 and a minimum major (ACC) GPA of 3.50 . The following courses must be completed with a "C" or better prior to starting the internship: ACC 340, ACC 350, ACC 430, ACC 440, ACC 450.

Students in the Accounting Internship Track (https://wpcarey.asu.edu/accounting-degrees/masters-internships) complete the following courses in terms 7 and 8.
- Term 7 Note: Courses are 3 credit hours each, with the exception of Elective - 2 credit hours.
- Term 8 Note: Courses are 3 credit hours each, with the exception of: ACC 484: Internship - 6 credit hours.
- Term 8 Note: ACC 484: Internship is offered Session A only. Interns are required to work full-time, 40 hrs/week.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Accounting Internship Track- Term 7 Courses (14 credit hrs)

ACC 430: Taxes and Business Decisions
ACC 450: Principles of Auditing
CIS 360: Business Database Concepts
WPC 480: W. P. Carey Capstone Course (L)

Accounting Internship Track- Term 8 Courses ( 15 credit hrs)

ACC 360: Ethics for Professional Accountants

ACC 444: Enterprise Process Analysis and Design

ACC 484: Internship

Elective

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Business, BA
School/College: W. P. Carey School of Business
Location: Polytechnic campus, Tempe campus, West campus
BABUSBA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Complete the Me3 career interest tool
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 216-31.25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 4. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline Complete MAT 210 with a grade of "C" or better. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline  & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{3}{*}{- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline WPC Career Preparation Course & \multicolumn{2}{|l|}{0.25} & - Explore career resources. \\
\hline
\end{tabular}


Term hours subtotal: \(\quad 16.25\)
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{l} 
WPC Career Preparation Courses (1 credit hr \\
total)
\end{tabular} \\
\hline \begin{tabular}{l} 
WPC Career Preparation Courses - Transfer \\
Student Track (1 credit hr total)
\end{tabular} \\
\hline WPC 148: Freshman Career Preparation
\end{tabular} WPC 347: Intermediate Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career
- - Not selectable as an ASU admission option.
- Change of major into this program are not allowed.
- Must declare concentration by the end of Term 3.
- Meet with your W. P. Carey Career Coach
- Must declare concentration by end of term 3.

Total Hours: 47.50
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Business (Business Administration), BA}

School/College: W. P. Carey School of Business
Location: Polytechnic campus, West campus, ASU@Lake Havasu BABUSBABA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline WPC 101: Student Success in Business & 1 \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 C \\
\hline MAT 210: Brief Calculus (MA) & 3 C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 C \\
\hline SOC OR PSY course (SB) & 3 \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 \\
\hline
\end{tabular}

Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement. See academic advisor for appropriate Student Success course requirement if not a first-time freshman
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume



- - W. P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Business Administration Elective Concentration Courses - select 3 courses ( 9 credit hours)

AGB 414: Food and Agribusiness Policy Issues (L)

AGB 452: Global Food and Agricultural Policy

BUS 424: Sales and Negotiations
BUS 434: Risk Management and Insurance
COM 353: Professional Communication
PHI 360: Business and Professional Ethics (HU)

MGT 420: Human Resource Management
PSY 304: Effective Thinking (L)

SCM 385: Business and Sustainability I
TMC 320: Funding the Enterprise
TWC 422: Social Media in the Workplace

\section*{Upper Division International Business Course-} select one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)
\begin{tabular}{|c|c|}
\hline General Studies Electives & General Studies Electives Continued \\
\hline ARB 101: Elementary Arabic I & LAT 101: Elementary Latin \\
\hline ARB 102: Elementary Arabic II & LAT 102: Elementary Latin \\
\hline BIO 320: Fundamentals of Ecology & MAT 242: Elementary Linear Algebra \\
\hline CHI 205: Chinese Calligraphy & MAT 243: Discrete Mathematical Structures \\
\hline COM 207: Introduction to Communication & MAT 310: Introduction to Geometry \\
\hline Inquiry & MAT 342: Linear Algebra \\
\hline COM 259: Communication in Business and the Professions & MAT 362: Advanced Mathematics for Engineers and Scientists \\
\hline COM 281: Communication Activities & \\
\hline COM 310: Relational Communication & \\
\hline & MAT 371: Advanced Calculus I \\
\hline COM 312: Communication, Conflict, and Negotiation & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline COM 430: Leadership in Group & MAT 442: Advanced Linear Algebra \\
\hline Communication & MAT 443: Introduction to Abstract Algebra \\
\hline COM 453: Communication Training and Development & MAT 444: Intermediate Abstract Algebra \\
\hline COM 465: Intercultural Communication & MAT 445: Theory of Numbers \\
\hline Workshop & MAT 460: Vector Calculus \\
\hline ENG 210: Introduction to Creative Writing & MAT 461: Applied Complex Analysis \\
\hline ENG 213: Introduction to the Study of Language & MAT 462: Applied Partial Differential Equations \\
\hline ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline ENG 345: Selected Authors or Issues & MAT 485: History of Mathematics \\
\hline FAS 301: Introduction to Parenting & POR 101: Elementary Portuguese \\
\hline FRE 111: Fundamentals of French & ROM 101: Elementary Romanian \\
\hline FRE 472: Franco-Canadian Civilization & ROM 201: Intermediate Romanian \\
\hline GCU 433: Geography of Southeast Asia & ROM 313: Romanian Composition and \\
\hline GER 101: Elementary German (G) & Conversation \\
\hline GER 102: Elementary German (G) & ROM 314: Romanian Composition and Conversation \\
\hline GER 111: Fundamentals of German & RUS 101: Elementary Russian I \\
\hline Academic Catalog Archive 2018-2019 & 2059 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline GRK 101: Elementary Ancient Greek & RUS 102: Elementary Russian II \\
\hline GRK 201: Intermediate Ancient Greek & SHS 101: American Sign Language I \\
\hline HST 389: Japan Society and Values/Premod & SHS 102: American Sign Language II \\
\hline IDN 101: Elementary Indonesian I & SHS 201: American Sign Language III \\
\hline IDN 102: Elementary Indonesian II & SHS 202: American Sign Language IV \\
\hline ITA 420: Italian Cinema (L \& G) & SPA 101: Elementary Spanish \\
\hline JPN 206: Japanese Calligraphy & SPA 102: Elementary Spanish \\
\hline JPN 414: Introduction to Classical Japanese & SPA 111: Fundamentals of Spanish \\
\hline KOR 101: First-Year Korean I & \multirow[t]{2}{*}{SPA 315: Spanish Conversation and Composition for Bilinguals (C)} \\
\hline KOR 102: First-Year Korean II & \\
\hline & SPA 316: Advanced Spanish II for Bilinguals (L \& C) \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American Narrative \\
\hline & SPA 456: 20th-Century Spanish American Fiction \\
\hline & SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala \\
\hline & SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C) \\
\hline & THA 101: Elementary Thai I \\
\hline & THA 102: Elementary Thai II \\
\hline
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Business (Business Administration), BA

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Location: Online
BABUSBABA

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\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

WPC 101: Student Success in Business 1
CIS 105: Computer Applications and Information Technology (CS)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
C
ENG 107 or ENG 108: First-Year Composition
Term hours subtotal:
Term 1 - B 7 - 16 Credit Hours Critical course signified by
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement
- Join a student club or organization
- Create your first college resume

\(\left.\begin{array}{l}\text { Term } 6 \text { - B 81.75 - } 90.75 \text { Credit Hours Necessary course signified by } \\ \text { FIN 300: Fundamentals of Finance } \\ \text { Hours }\end{array} \begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

Upper Division Business Administration Electives- select three courses ( 9 credit hours)


AGB 420: Food Advertising and Promotion AGB 425: Food Supply Networks

AGB 435: Commodity Futures and Options Markets

AGB 445: Food Retailing
AGB 456: Food Product Innovation and Development

AGB 481: Strategic Pricing in Food Markets
PHI 360: Business and Professional Ethics (HU)

MGT 420: Human Resource Management
SCM 354: Procurement of Services
SCM 385: Business and Sustainability I
TMC 320: Funding the Enterprise
TWC 422: Social Media in the Workplace

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Business (Chinese Language and Culture), BA

School/College: W. P. Carey School of Business
Location: Tempe campus
BABUSCLBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline CHI 201: Second-Year Chinese I (G) OR CHI 110: Intensive Chinese I & 5-8 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline
\end{tabular}

Minimum 2.00 GPA ASU Cumulative.
Term hours subtotal: \(15-18\)


Term hours subtotal: \(14.25-17.25\)
Term 3 29.25-43.50 Credit Hours Critical course signified by 4- Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212 Microeconomic Principles (SB) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
delay in graduation. See your academic advisor for more information and options. \\
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline \multicolumn{3}{|l|}{(4. Complete ECN 211 or ECN 212 with a grade of "C" or better.} & \\
\hline \multicolumn{4}{|l|}{4. Complete MAT 211 with a grade of "C" or better.} \\
\hline \multicolumn{4}{|l|}{(1) Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 14.25 & & \\
\hline Term 443.50-58.50 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4. CHI 302: Third-Year Chinese II (G) & 5 & C & - Native speakers should take CHI 322 in lieu of \\
\hline ACC 241: Uses of Accounting Information II & 3 & C & CHI 302 in Term 4. \\
\hline Humanities, Arts and Design (HU) & 3 & & - Failure to successfully complete business \\
\hline Natural Science - Quantitative (SQ) & 4 & & delay in graduation. See your academic \\
\hline \multicolumn{3}{|l|}{(1) Complete ACC 231 with a grade of "C" or better.} & advisor for more information and options. \\
\hline \multicolumn{3}{|l|}{4. Complete ECN 221 with a grade of "C" or better.} & \begin{tabular}{l}
- Attend W. P. Carey and ASU career fairs \\
- Apply for internships or create one
\end{tabular} \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} & - Develop your professional online presence \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 558.50-73.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W CHI 401: Fourth-Year Chinese I (G) & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- Native speakers should take an approved upper division Chinese Language and Culture Elective from the list below in lieu of CHI 401 in Term 5. \\
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Meet with your W. P. Carey Career Coach \\
- Update your resume
\end{tabular}} \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline MGT 300: Organization and Management Leadership & 3 & C & \\
\hline CHI 120: Introduction to Chinese Culture ( L or HU) & 3 & & \\
\hline COM 263: Elements of Intercultural Communication (SB \& C \& G) & 3 & & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline \multicolumn{3}{|l|}{I Complete ACC 241 with a grade of "C" or better.} & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 673.75-89.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CHI 402: Fourth-Year Chinese II (G) & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Native speakers should take an approved upper division Chinese Language and Culture Elective from the list below in lieu of CHI 402 in Term 6. \\
- Complete informational interviews \\
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach
\end{tabular}} \\
\hline ENG 302: Business Writing (L) & 3 & & \\
\hline MKT 300: Marketing and Business Performance & 3 & C & \\
\hline SCM 300: Global Supply Operations & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 7 89.75-104.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I CHI 407: Chinese for Academic and Professional Purposes I (G) & 3 & C & \multirow[t]{3}{*}{- Native speakers should take an approved upper division Chinese Language and 2067} \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline Academic Catalog & Archive 2 & 18-2019 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline MGT 302: Principles of International Business (G) or ECN 306: Survey of International Economics (SB \& G) & 3 & C \\
\hline Historical Awareness (H) ( CHI 333 recommended) & 3 & \\
\hline Upper Division Humanities, Arts and Design (HU) ( HST 386 OR CHI 336 OR CHI 451 recommended) & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline Term 8 104.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline ¢ CHI 408: Chinese for Academic and Professional Purposes II (G) & 3 & C \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C \\
\hline MGT 459: International Management (G) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Upper Division International Business Elective & 3 & C \\
\hline Elective OR WPC 484: Internship & 3 & \\
\hline Term hours subtotal: & 15.25 & \\
\hline
\end{tabular}

Culture Elective from the list below in lieu of CHI 407 in Term 7.
- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses ( 1 credit hr
total)

\section*{WPC 148: Freshman Career Preparation}

WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Upper Division International Business Elective- select one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

ECN 335: South Asia and the World Economy (SB \& G)

ECN 360: Economic Development (SB \& G)
ECN 436: International Trade Theory (SB \& G)

ECN 438: International Monetary Economics (SB \& G)

FIN 456: International Financial Management (G)

MGT 302: Principles of International Business (G)

MGT 400: Cross-Cultural Management (C \& G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)

Native Speakers Track- 27 credit hours
CHI 307: Introduction to Literary Chinese I (HU)

Native Speakers Chinese Language and Culture Electives- select four courses (12 credit hours)
- Native speakers should take an approved upper division Chinese Language and Culture Elective from the list below in lieu of CHI 408 in Term 8.
- Apply for full-time career opportunities
- Meet with your academic advisor to discuss your internship course options
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{CHI 308: Introduction to Literary Chinese II (HU)} & CHI 333: China (SB \& H) \\
\hline & \multirow[t]{2}{*}{CHI 335: History of Chinese Medicine (HU \& H \& G)} \\
\hline CHI 321: Chinese Literature (HU) & \\
\hline CHI 322: Chinese Literature (HU \& G) & \multirow[t]{2}{*}{CHI 336: Interpreting China's Classics ((L or HU) \& H)} \\
\hline \multirow[b]{2}{*}{Upper Division Term 5: Chinese Language and Culture Elective} & \\
\hline & \multirow[t]{2}{*}{CHI 338: The Daoist Bible: The Daode jing (HU \& L)} \\
\hline \multirow[t]{2}{*}{Upper Division Term 6: Chinese Language and Culture Elective} & \\
\hline & CHI 343: Daoism ((L or HU) \& G \& H) \\
\hline \multirow[t]{2}{*}{Upper Division Term 7: Chinese Language and Culture Elective} & CHI 345: Chinese Film and Civilization \\
\hline & \multirow[t]{2}{*}{CHI 430: Readings in Chinese Religions (HU \& G)} \\
\hline \multirow[t]{2}{*}{Upper Division Term 8: Chinese Language and Culture Elective} & \\
\hline & \multirow[t]{2}{*}{CHI 451: Chinese Cultural History I ((HU or SB) \& H)} \\
\hline \multirow[t]{2}{*}{MGT 404: Chinese Language and Global Business Communication} & \\
\hline & \\
\hline & CHI 452: Chinese Cultural History II (SB \& G \& H) \\
\hline
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Business (Communication), BA
School/College: W. P. Carey School of Business
Location: Polytechnic campus, Tempe campus, West campus, ASU@Lake Havasu BABUSCBA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline PPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}
- Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:

16


3 C ENG 105: Advanced First-Year Composition OR

0.25
WPC Career Preparation Course ..... 0.25
SOC OR PSY course (SB) ..... 3
Elective ..... 31 Complete CIS 105 with a grade of " C " or better.4. Complete MAT 210 with a grade of "C.......................................................................................1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
- Minimum 2.00 GPA ASU Cumulative.Term hours subtotal:15.25
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU Career Fairs
- Continue using WPC 360
- Join the W. P. Carey mentorship programs
- Explore student leadership opportunities in W. P. Carey
\begin{tabular}{|c|c|c|}
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline ACC 231: Uses of Accounting Information I & 3 & C \\
\hline ECN 221: Business Statistics (CS) & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 230: Small Group Communication (SB) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline
\end{tabular} Notes
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Explore career resources.
- Meet with your W. P. Carey Career Coach



Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation

WPC 248: Sophomore Career Preparation

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Upper Division International Business Courseselect one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

\section*{2018-2019 Major Map}

Business (Communication), BA
School/College: W. P. Carey School of Business
Location: Online
BABUSCBA

Fast Track Options: 2.5 Year | 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}


Term hours subtotal:
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-16 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. MAT 210: Brief Calculus (MA) & 3 & C & \multirow{5}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-A 16-25 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-B 25-31.25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 31.25-37.50 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4. ACC 231: Uses of Accounting Information I & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline 4. COM 100: Introduction to Human Communication (SB) OR COM 230: Small Group Communication (SB) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Term hours subtotal: & 1: \(\quad 6.25\) & & \\
\hline Term 3-B 37.50-46.50 Credit Hours Critical course signified by \({ }^{\text {( })}\) & Hours & Minimum Grade & Notes \\
\hline (4) ACC 241: Uses of Accounting Information II & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{(4. Complete ECN 211 AND ECN 212.} & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Complete Mathematics (MA) requirement. & \multicolumn{2}{|l|}{} & \\
\hline Term hours subtotal: & \(: 9\) & & \\
\hline Term 4-A 46.50-52.50 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) ECN 221: Business Statistics (CS) & 3 & C & \multirow{3}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU career fairs \\
- Apply for internships or create one
\end{tabular}} \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 230: Small Group Communication (SB) & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{: 6} & \\
\hline Term 4 - B 52.50-59.50 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{7} & \\
\hline Term 5-A 59.50-68.50 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W COM 259: Communication in Business and the Professions & 3 & C & \multirow[t]{4}{*}{- Meet with your W. P. Carey Career Coach} \\
\hline ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L) & 3 & & \\
\hline MKT 300: Marketing and Business Performance & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 5-B 68.50-75.75 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MGT 300: Organization and Management Leadership & 3 & C & \multirow[t]{4}{*}{- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{7.25} & \\
\hline Term 6-A 75.75-84.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline W COM 312: Communication, Conflict, and Negotiation & 3 & C & \multirow[t]{2}{*}{- Complete informational interviews} \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 6-B 84.75-93.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline COM 400: Communication in Professions (HU \& C) & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Upper Division International Business Course AND Global Awareness
(G) & 3 & C & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-A 93.75-102.75 Credit Hours & Hours & Minimum Grade & Notes \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \multirow{4}{*}{- Attend W. P. Carey and ASU Career Fairs} \\
\hline SCM 300: Global Supply Operations & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \multicolumn{3}{|l|}{\[
\text { Term hours subtotal: } \quad 9
\]} & \\
\hline Term 7 - B 102.75-108.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline § COM 430: Leadership in Group Communication & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 108.75-114.00 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline COM 453: Communication Training and Development & 3 & C & \multirow[t]{4}{*}{- Apply for full-time career opportunities} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Upper Division Elective & 2 & & \\
\hline Term hours subtotal: & 5.25 & & \\
\hline Term 8-B 114.00-120.00 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Complete 2 courses: Upper Division Elective & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses ( 1 credit hr total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation

WPC Career Preparation Courses - Transfer Student Track ( 1 credit hr total)

WPC 347: Intermediate Career Preparation
WPC 348: Junior Career Preparation

Term hours subtotal: 6

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Business (Corporate Accounting), BA
School/College: W. P. P. Carey School of Business
Location: Online
BABUSCABA
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ¢. WPC 101: Student Success in Business & \multicolumn{2}{|l|}{1} \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline
\end{tabular} Term hours subtotal: \(\quad 7\)
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ACC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Create your first college resume

\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{WPC Career Preparation Course \({ }_{\text {a }}\)} & \multirow[t]{3}{*}{\begin{tabular}{l}
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 6.25 & & \\
\hline Term 3 - B 37.50-46.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline (1) ACC 241: Uses of Accounting Information II & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \multicolumn{3}{|l|}{1. Complete ECN 211 AND ECN 212.} & \\
\hline 1. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 4 - A 46.50-55.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 ECN 221: Business Statistics (CS) & 3 & C & \multirow[t]{2}{*}{- Apply for internships through Handshake or create one} \\
\hline COM 225: Public Speaking (L) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-B 55.50-62.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline Natural Science - Quantitative (SQ) & 4 & & \multirow[b]{4}{*}{- If COM 259 was completed instead of COM 225 in Term 4-A, students will need to take a Literacy and Critical Inquiry (L) course to satisfy the General Studies university requirement.} \\
\hline Elective OR Literacy and Critical Inquiry (L) & 3 & & \\
\hline \multicolumn{3}{|l|}{\multirow[t]{2}{*}{}} & \\
\hline & & & \\
\hline Term 5-A 62.50-71.50 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ACC 310: Intermediate Accounting for Corporate Accountants & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline SCM 300: Global Supply Operations & 3 & C & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 5-B 71.50-77.75 Credit Hours Necessary course signified by & How & Minimum Grade & Notes \\
\hline 3 ACC 320: Management Accounting for Corporate Accountants I & & C & \\
\hline LES 305: Business Law and Ethics for Managers & & C & \\
\hline WPC Career Preparation Course & & & \\
\hline Term hours subtota & & & \\
\hline Term 6-A 77.75-86.75 Credit Hours Necessary course signified by & Hou & Minimum Grade & Notes \\
\hline 5 ACC 354: Governance, Risk, Compliance Internal Controls and Ethic & & C & \multirow[t]{2}{*}{- Complete informational interviews} \\
\hline \multicolumn{3}{|l|}{ENG 301: Writing for the Professions (L) 3} & \\
\hline \multicolumn{3}{|r|}{Academic Catalog Archive 2018-2019} & 2078 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline MKT 300: Marketing and Business Performance & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 6-B 86.75-92.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ACC 410: Financial Statement Analysis & 3 & C & \\
\hline Upper Division International Business Course AND Global Awareness (G) & 3 & C & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-A 92.75-98.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline A ACC 420: Management Accounting for Corporate Accountants II & 3 & C & \multirow[t]{3}{*}{- Apply for full-time career opportunities} \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 98.75-105.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline § ACC 454: Taxes for Corporate Accountants & 3 & C & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 8-A 105.75-112.00 Credit Hours Necessary course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline I WPC Career Preparation Course & 0.25 & & \multirow[t]{4}{*}{- Apply for full-time career opportunities} \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6.25 & & \\
\hline Term 8-B 112.00-120.00 Credit Hours & Hours & Minimum Grade & Notes \\
\hline MGT 300: Organization and Management Leadershin & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Upper Division Elective & 2 & & \\
\hline Term hours subtotal: & 8 & & \\
\hline
\end{tabular}

\section*{Hide Course List(s)/Track Group(s)}

WPC Career Preparation Courses ( 1 credit hr total)

WPC 148: Freshman Career Preparation WPC 248: Sophomore Career Preparation WPC 348: Junior Career Preparation

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Upper Division International Business Course - select one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{Business (Food Industry Management), BA}

School/College: W. P. Carey School of Business
Location: Polytechnic campus
BABUSFIMBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1. WPC 101: Student Success in Business & 1 & & \multirow[b]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement \\
- Join a student club or organization \\
- Organize and track your activities, events, and experiences with WPC 360 \\
- Create your first college resume
\end{tabular}} \\
\hline AGB 100: Introduction to Agribusiness & 3 & C & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline (4) Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{10}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline \multicolumn{3}{|l|}{(4. Complete CIS 105 with a grade of "C" or better.} & \\
\hline \multicolumn{3}{|l|}{4. Complete MAT 210 with a grade of "C" or better.} & \\
\hline \multicolumn{3}{|l|}{(1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline ACC 231: Uses of Accounting Information I & 3 & C \\
\hline ECN 221: Business Statistics (CS) & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Explore career resources
- Meet with your W. P. Carey Career Coach

\begin{tabular}{|c|c|c|c|}
\hline AGB 456: Food Product Innovation and Development & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Gather professional references \\
- Update your resume
\end{tabular}} \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Elective OR AGB 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Upper Division General Studies Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 105.75-120.00 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \% AGB 445: Food Retailing & 3 & C & \multirow[t]{7}{*}{- Apply for full-time career opportunities} \\
\hline \% AGB 481: Strategic Pricing in Food Markets & 3 & C & \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Upper Division Elective & 2 & & \\
\hline General Studies Elective & 3 & & \\
\hline Term hours subtotal: & 14.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Upper Division International Business Courseselect one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)
\begin{tabular}{l|l|}
\hline General Studies Electives & General Studies Electives Continued \\
\hline ARB 101: Elementary Arabic I & LAT 101: Elementary Latin \\
\hline ARB 102: Elementary Arabic II & LAT 102: Elementary Latin \\
\hline BIO 320: Fundamentals of Ecology & MAT 242: Elementary Linear Algebra \\
\hline CHI 205: Chinese Calligraphy & MAT 243: Discrete Mathematical Structures \\
\hline COM 207: Introduction to Communication & MAT 310: Introduction to Geometry \\
Inquiry & MAT 342: Linear Algebra \\
\hline \begin{tabular}{l} 
COM 259: Communication in Business and \\
the Professions
\end{tabular} & MAT 362: Advanced Mathematics for \\
\hline COM 281: Communication Activities & Engineers and Scientists \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline COM 310: Relational Communication & MAT 370: Intermediate Calculus \\
\hline COM 312: Communication, Conflict, and & MAT 371: Advanced Calculus I \\
\hline Negotiation & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline COM 430: Leadership in Group Communication & MAT 442: Advanced Linear Algebra \\
\hline \multirow[t]{2}{*}{COM 453: Communication Training and Development} & MAT 443: Introduction to Abstract Algebra \\
\hline & MAT 444: Intermediate Abstract Algebra \\
\hline \multirow[t]{2}{*}{COM 465: Intercultural Communication Workshop} & MAT 445: Theory of Numbers \\
\hline & MAT 460: Vector Calculus \\
\hline ENG 210: Introduction to Creative Writing & MAT 461: Applied Complex Analysis \\
\hline \multirow[t]{2}{*}{ENG 213: Introduction to the Study of Language} & \multirow[b]{2}{*}{MAT 462: Applied Partial Differential Equations} \\
\hline & \\
\hline ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline ENG 345: Selected Authors or Issues & MAT 485: History of Mathematics \\
\hline FAS 301: Introduction to Parenting & \multirow[t]{2}{*}{POR 101: Elementary Portuguese} \\
\hline \multirow[t]{2}{*}{FRE 111: Fundamentals of French} & \\
\hline & ROM 101: Elementary Romanian \\
\hline FRE 472: Franco-Canadian Civilization & ROM 201: Intermediate Romanian \\
\hline GCU 433: Geography of Southeast Asia & \multirow[t]{2}{*}{ROM 313: Romanian Composition and Conversation} \\
\hline GER 111: Fundamentals of German & \\
\hline GRK 101: Elementary Ancient Greek & \multirow[t]{2}{*}{ROM 314: Romanian Composition and Conversation} \\
\hline GRK 201: Intermediate Ancient Greek & \\
\hline HST 389: Japan Society and Values/Premod & RUS 101: Elementary Russian I \\
\hline IDN 101: Elementary Indonesian I & RUS 102: Elementary Russian II \\
\hline IDN 102: Elementary Indonesian II & SHS 101: American Sign Language I \\
\hline JPN 206: Japanese Calligraphy & SHS 102: American Sign Language II \\
\hline JPN 414: Introduction to Classical Japanese & SHS 201: American Sign Language III \\
\hline KOR 101: First-Year Korean I & SHS 202: American Sign Language IV \\
\hline \multirow[t]{6}{*}{KOR 102: First-Year Korean II} & SPA 101: Elementary Spanish I \\
\hline & SPA 102: Elementary Spanish \\
\hline & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American Narrative \\
\hline & SPA 456: 20th-Century Spanish American Fiction \\
\hline
\end{tabular}
SPA 486: Chicano/a Novel: Ãltima, Rafa y
Lala
THA 101: Elementary Thai I
THA 102: Elementary Thai II

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Business (Food Industry Management), BA

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Location: Online
BABUSFIMBA

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\begin{tabular}{|c|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(\boldsymbol{4}}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
4. WPC 101: Student Success in Business

1
CIS 105: Computer Applications and Information Technology (CS)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
C
ENG 107 or ENG 108: First-Year Composition
Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minimum Grade & Notes \\
\hline 4 MAT 210: Brief Calculus (MA) & 3 & C & \multirow{5}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-A 16-25 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. MAT 211: Mathematics for Business Analysis & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-B 25-31.25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{WPC Career Preparation Course 0.25} & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication (SB) OR COM 225: \\
Public Speaking (L) OR COM 230: Small Group Communication (SB) \\
OR COM 259: Communication in Business and the Professions
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{SOC course (SB) OR PSY course (SB) 3} & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline \multicolumn{3}{|l|}{4 Minimum 2.00 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6.25} & \\
\hline Term 3-A 31.25-40.25 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific First Year Seminar is required for all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement
- Join a student club or organization
- Create your first college resume

\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 81.75-90.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AGB 420: Food Advertising and Promotion & 3 & C & \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline Upper Division International Business Course AND Global Awareness (G) & 3 & C & \\
\hline \multicolumn{4}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 9} & \\
\hline Term 7-A 90.75-99.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \$ AGB 456: Food Product Innovation and Development & 3 & C & \multirow[t]{4}{*}{- Attend W. P. Carey and ASU Career Fairs} \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{9} & \\
\hline Term 7-B 99.75-105.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AGB 435: Commodity Futures and Options Markets & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8 - A 105.75-114.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% AGB 445: Food Retailing & 3 & C & - Apply for full-time career opportunities \\
\hline AGB 481: Strategic Pricing in Food Markets & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Upper Division Elective & 2 & & \\
\hline Term hours subtotal: & 8.25 & & \\
\hline Term 8 - B 114.00-120.00 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline AGB 425: Food Supply Networks & 3 & C & \\
\hline General Education Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses ( 1 credit hr total)

WPC 148: Freshman Career Preparation

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation

Uper Division International Business Courseselect one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)
\begin{tabular}{|c|}
\hline WPC 248: Sophomore Career Preparation \\
\hline WPC 348: Junior Career Preparation \\
\hline WPC 448: Intensive Career Preparation or WPC 449: Campus to Career \\
\hline General Education Electives \\
\hline BIO 320: Fundamentals of Ecology \\
\hline COM 207: Introduction to Communication Inquiry \\
\hline COM 259: Communication in Business and the Professions \\
\hline COM 312: Communication, Conflict, and Negotiation \\
\hline COM 414: Crisis Communication \\
\hline COM 430: Leadership in Group Communication \\
\hline COM 453: Communication Training and Development \\
\hline ENG 210: Introduction to Creative Writing \\
\hline ENG 310: Intermediate Creative Writing \\
\hline ENG 345: Selected Authors or Issues \\
\hline FAS 301: Introduction to Parenting \\
\hline MAT 242: Elementary Linear Algebra \\
\hline MAT 243: Discrete Mathematical Structures \\
\hline POR 101: Elementary Portuguese \\
\hline ROM 101: Elementary Romanian \\
\hline SPA 101: Elementary Spanish \\
\hline SPA 102: Elementary Spanish \\
\hline
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Business (Global Agribusiness), BA}

School/College: W. P. Carey School of Business
Location: Polytechnic campus
BABUSGAGBA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & \multicolumn{2}{|l|}{1} \\
\hline AGB 100: Introduction to Agribusiness & 3 & C \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline
\end{tabular}

Term hours subtotal:
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 216-31.25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 4. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline 4. Complete MAT 210 with a grade of "C" or better. & & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 331.25-47.50 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline AGB 435: Commodity Futures and Options Markets & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Gather professional references \\
- Update your resume
\end{tabular}} \\
\hline § AGB 452: Global Food and Agricultural Policy & 3 & C & \\
\hline MGT 300: Organization and Management Leadership & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 2 AGB 414: Food and Agribusiness Policy Issues (L) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Apply for full-time career opportunities \\
- Meet with your academic advisor to discuss your internship course options
\end{tabular}} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Elective OR AGB 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Upper Division General Studies Elective & 3 & & \\
\hline General Studies Elective & 3 & & \\
\hline Upper Division Elective & 1 & & \\
\hline Term hours subtotal: & 13.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
\begin{tabular}{|c|c|}
\hline WPC Career Preparation Courses ( 1 credit hr total) & WPC Career Preparation Courses - Transfer Student Track (1 credit hr total) \\
\hline WPC 148: Freshman Career Preparation & WPC 347: Intermediate Career Preparation \\
\hline WPC 248: Sophomore Career Preparation & WPC 348: Junior Career Preparation \\
\hline WPC 348: Junior Career Preparation & WPC 448: Intensive Career Preparation or \\
\hline WPC 448: Intensive Career Preparation or WPC 449: Campus to Career & WPC 449: Campus to Care \\
\hline General Studies Electives & General Studies Electives Continued \\
\hline ARB 101: Elementary Arabic I & LAT 101: Elementary Latin \\
\hline ARB 102: Elementary Arabic II & LAT 102: Elementary Latin \\
\hline BIO 320: Fundamentals of Ecology & MAT 242: Elementary Linear Algebra \\
\hline CHI 205: Chinese Calligraphy & MAT 243: Discrete Mathematical Structures \\
\hline \multirow[t]{2}{*}{COM 207: Introduction to Communication Inquiry} & MAT 310: Introduction to Geometry \\
\hline & MAT 342: Linear Algebra \\
\hline COM 259: Communication in Business and the Professions & MAT 362: Advanced Mathematics for Engineers and Scientists \\
\hline COM 281: Communication Activities & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline COM 310: Relational Communication & MAT 370: Intermediate Calculus \\
\hline COM 312: Communication, Conflict, and & MAT 371: Advanced Calculus I \\
\hline Negotiation & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline COM 430: Leadership in Group Communication & MAT 442: Advanced Linear Algebra \\
\hline \multirow[b]{2}{*}{COM 453: Communication Training and Development} & MAT 443: Introduction to Abstract Algebra \\
\hline & MAT 444: Intermediate Abstract Algebra \\
\hline \multirow[t]{2}{*}{COM 465: Intercultural Communication Workshop} & MAT 445: Theory of Numbers \\
\hline & MAT 460: Vector Calculus \\
\hline ENG 210: Introduction to Creative Writing & \multirow{2}{*}{MAT 461: Applied Complex Analysis} \\
\hline \multirow[t]{2}{*}{ENG 213: Introduction to the Study of Language} & \\
\hline & MAT 462: Applied Partial Differential Equations \\
\hline ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline ENG 345: Selected Authors or Issues & \multirow[t]{2}{*}{MAT 485: History of Mathematics} \\
\hline \multirow[b]{2}{*}{FAS 301: Introduction to Parenting} & \\
\hline & POR 101: Elementary Portuguese \\
\hline FRE 111: Fundamentals of French & \multirow[t]{2}{*}{ROM 101: Elementary Romanian} \\
\hline FRE 472: Franco-Canadian Civilization & \\
\hline GCU 433: Geography of Southeast Asia & ROM 201: Intermediate Romanian \\
\hline GER 111: Fundamentals of German & ROM 313: Romanian Composition and Conversation \\
\hline GRK 101: Elementary Ancient Greek & \multirow[t]{2}{*}{ROM 314: Romanian Composition and Conversation} \\
\hline GRK 201: Intermediate Ancient Greek & \\
\hline HST 389: Japan Society and Values/Premod & RUS 101: Elementary Russian I \\
\hline IDN 101: Elementary Indonesian I & RUS 102: Elementary Russian II \\
\hline IDN 102: Elementary Indonesian II & SHS 101: American Sign Language I \\
\hline JPN 206: Japanese Calligraphy & SHS 102: American Sign Language II \\
\hline JPN 414: Introduction to Classical Japanese & SHS 201: American Sign Language III \\
\hline KOR 101: First-Year Korean I & SHS 202: American Sign Language IV \\
\hline \multirow[t]{7}{*}{KOR 102: First-Year Korean II} & SPA 101: Elementary Spanish I \\
\hline & SPA 102: Elementary Spanish \\
\hline & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American Narrative \\
\hline & SPA 456: 20th-Century Spanish American Fiction \\
\hline & Academic Catalog Archive 2018-2019 \\
\hline
\end{tabular}
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SPA 486: Chicano/a Novel: Ãltima, Rafa y
Lala
THA 101: Elementary Thai I
THA 102: Elementary Thai II

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Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Business (Global Leadership), BA
School/College: W.........arey School of Business.
Location: Online
BABUSGBA

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\begin{tabular}{|l|l|l|l|l|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \\
\hline
\end{tabular}

WPC 101: Student Success in Business 1
CIS 105: Computer Applications and Information Technology (CS)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
C
ENG 107 or ENG 108: First-Year Composition
Term hours subtotal:

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college specific equivalent First Year Seminar required of all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement
- Join a student club or organization
- Create your first college resume

\(\begin{array}{l}\text { Term } 6 \text { - B 81.75 - } 90.75 \text { Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\)
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

Global Leadership Electives- select two courses ( 6 credit hours)
\begin{tabular}{|c|c|}
\hline WPC 148: Freshman Career Preparation & WPC 347: Intermediate Career Preparation \\
\hline WPC 248: Sophomore Career Preparation & WPC 348: Junior Career Preparation \\
\hline WPC 348: Junior Career Preparation & \multirow[t]{2}{*}{WPC 448: Intensive Career Preparation or WPC 449: Campus to Career} \\
\hline WPC 448: Intensive Career Preparation or WPC 449: Campus to Career & \\
\hline \multirow[t]{2}{*}{Upper Division International Business Courseselect one course (3 credit hours)} & General Studies Electives \\
\hline & BIO 320: Fundamentals of Ecology \\
\hline AGB 302: International Management and Agribusiness (G) & COM 207: Introduction to Communication Inquiry \\
\hline ECN 306: Survey of International Economics
\[
(\mathrm{SB} \& \mathrm{G})
\] & COM 259: Communication in Business and the Professions \\
\hline MGT 302: Principles of International Business (G) & COM 312: Communication, Conflict, and Negotiation \\
\hline MKT 425: Global Marketing Management (G) & COM 414: Crisis Communication \\
\hline \multirow[t]{12}{*}{SCM 463: Global Supply Chain Management (G)} & COM 430: Leadership in Group Communication \\
\hline & COM 453: Communication Training and Development \\
\hline & ENG 210: Introduction to Creative Writing \\
\hline & ENG 310: Intermediate Creative Writing \\
\hline & ENG 345: Selected Authors or Issues \\
\hline & FAS 301: Introduction to Parenting \\
\hline & MAT 242: Elementary Linear Algebra \\
\hline & MAT 243: Discrete Mathematical Structures \\
\hline & POR 101: Elementary Portuguese \\
\hline & ROM 101: Elementary Romanian \\
\hline & SPA 101: Elementary Spanish \\
\hline & SPA 102: Elementary Spanish \\
\hline
\end{tabular}

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H)

HST 391: Modern Southeast Asia (SB \& G \& H)

JUS 350: Immigration and Justice (SB \& C)
JUS 352: The Global Politics of Human Rights (SB \& G)

POS 350: Comparative Politics (SB \& G)
POS 360: World Politics (SB \& G)
POS 486: International Political Economy (SB \& G)

SOC 352: Social Change (SB \& G \& H)

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Business (Global Logistics Management), BA}

School/College: W. P. Carey School of Business
Location: West campus
BABUSGLBA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}


Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
WPC Career Preparation Course 0.25
COM 100: Introduction to Human Communication (SB) OR COM
225: Public Speaking (L) OR COM 230: Small Group
Communication (SB) OR COM 259: Communication in Business and the Professions

SOC OR PSY course (SB) 3
4. Complete CIS 105 with a "C" or better.
1. Complete MAT 210 with a "C" or better.
. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
- Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal
15.25
\begin{tabular}{|c|c|c|}
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline ACC 231: Uses of Accounting Information I & 3 & C \\
\hline ECN 221: Business Statistics (CS) & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU Career Fairs
- Continue using WPC 360
- Join the W. P. Carey mentorship programs
- Explore student leadership opportunities in W. P. Carey

\begin{tabular}{|c|c|c|c|}
\hline SCM 385: Business and Sustainability I & 3 & C & - Update your resume \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Upper Division Elective OR WPC 484: Internship & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline M MGT 411: Leading Organizations & 3 & C & - Apply for full-time career opportunities \\
\hline 5 SCM 445: Advanced Logistics Management & 3 & C & \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline General Studies Elective & 3 & & \\
\hline Upper Division Elective & 1 & & \\
\hline Term hours subtotal: & 13.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
Hide Course List(s)/Track Group(s)
\begin{tabular}{l} 
WPC Career Preparation Courses (1 credit hr \\
total)
\end{tabular}
\begin{tabular}{l} 
WPC Career Preparation Courses - Transfer \\
Student Track (1 credit hr total)
\end{tabular}
WPC 148: Freshman Career Preparation \begin{tabular}{c} 
WPC 347: Intermediate Career Preparation
\end{tabular}

Upper Division International Business Courseselect one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)

General Studies Electives Continued
LAT 101: Elementary Latin
LAT 102: Elementary Latin
MAT 242: Elementary Linear Algebra
MAT 243: Discrete Mathematical Structures
MAT 310: Introduction to Geometry
MAT 342: Linear Algebra
MAT 362: Advanced Mathematics for Engineers and Scientists
\begin{tabular}{|c|c|}
\hline COM 310: Relational Communication & MAT 370: Intermediate Calculus \\
\hline \multirow[t]{2}{*}{COM 312: Communication, Conflict, and Negotiation} & MAT 371: Advanced Calculus I \\
\hline & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline COM 430: Leadership in Group Communication & MAT 442: Advanced Linear Algebra \\
\hline \multirow[t]{2}{*}{COM 453: Communication Training and Development} & MAT 443: Introduction to Abstract Algebra \\
\hline & MAT 444: Intermediate Abstract Algebra \\
\hline COM 465: Intercultural Communication Workshop & MAT 445: Theory of Numbers \\
\hline \multirow[t]{2}{*}{ENG 210: Introduction to Creative Writing} & MAT 460: Vector Calculus \\
\hline & MAT 461: Applied Complex Analysis \\
\hline ENG 213: Introduction to the Study of Language & \multirow[t]{2}{*}{MAT 462: Applied Partial Differential Equations} \\
\hline ENG 310: Intermediate Creative Writing & \\
\hline ENG 314: Modern Grammar & MAT 472: Intermediate Real Analysis I \\
\hline \multirow[t]{2}{*}{ENG 345: Selected Authors or Issues} & \multirow[t]{2}{*}{MAT 475: Differential Equations} \\
\hline & \\
\hline FAS 301: Introduction to Parenting & MAT 485: History of Mathematics \\
\hline FRE 111: Fundamentals of French & POR 101: Elementary Portuguese \\
\hline \multirow[t]{2}{*}{FRE 472: Franco-Canadian Civilization} & ROM 101: Elementary Romanian \\
\hline & ROM 201: Intermediate Romanian \\
\hline GCU 433: Geography of Southeast Asia & \multirow[t]{2}{*}{ROM 313: Romanian Composition and Conversation} \\
\hline GER 111: Fundamentals of German & \\
\hline GRK 101: Elementary Ancient Greek & \multirow[t]{2}{*}{ROM 314: Romanian Composition and Conversation} \\
\hline GRK 201: Intermediate Ancient Greek & \\
\hline HST 389: Japan Society and Values/Premod & RUS 101: Elementary Russian I \\
\hline IDN 101: Elementary Indonesian I & RUS 102: Elementary Russian II \\
\hline IDN 102: Elementary Indonesian II & SHS 101: American Sign Language I \\
\hline JPN 206: Japanese Calligraphy & SHS 102: American Sign Language II \\
\hline JPN 414: Introduction to Classical Japanese & SHS 201: American Sign Language III \\
\hline KOR 101: First-Year Korean I & SHS 202: American Sign Language IV \\
\hline \multirow[t]{7}{*}{KOR 102: First-Year Korean II} & SPA 101: Elementary Spanish I \\
\hline & SPA 102: Elementary Spanish \\
\hline & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American Narrative \\
\hline & SPA 456: 20th-Century Spanish American Fiction \\
\hline & Academic Catalog Archive 2018-2019 \\
\hline
\end{tabular}
```

SPA 486: Chicano/a Novel: Ãltima, Rafa y
Lala
THA 101: Elementary Thai I
THA 102: Elementary Thai II

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Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Business (Global Logistics Management), BA}

School/College: W. ....... Carey School of Business
Location:
BABUSGLBA
and
International
Trade, BS
Thunderbird School of Global Management
TBINTRABS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & Minimum Grade & Notes \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics
\end{tabular}} \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline TGM 101: Principles of Global Management (G) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & course. \\
\hline ENG 107 or ENG 108: First-Year Composition & & & - ASU 101 or college-specific equivalent \\
\hline TGM 191: First-Year Seminar OR WPC 101: Student Success in Business & 1 & & First-Year Seminar required of all freshman students. \\
\hline Humanities, Arts and Design (HU) & 3 & & - Create a first draft resume.
- Create your LinkedIn profile. \\
\hline Term hours subtotal: & 16 & & - Create your Handshake profile. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 2 16-32.25 Credit Hours Critical course signified by \({ }^{(!)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline 4 (1) MAT 211: Mathematics for Business Analysis & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline COM 225: Public Speaking (L) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & \\
\hline Term hours subtotal: & 16.25 & \\
\hline Term 3 32.25-47.50 Credit Hours Critical course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] \\
\hline 1. ACC 231: Uses of Accounting Information I & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline 4. ECN 221: Business Statistics (CS) & 3 & C \\
\hline TGM 204: Principles of Marketing for Global Organizations OR MKT 300: Marketing and Business Performance & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline
\end{tabular}


 WPC 449: Campus to Career

Total Hours: 121.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Business (Global Logistics Management), BA
School/College: W. P. Carey School of Business
Location: Online
BABUSGLBA

```
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

WPC 101: Student Success in Business 1
CIS 105: Computer Applications and Information Technology (CS)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
C
ENG 107 or ENG 108: First-Year Composition

1
3 C

\section*{C}

Term hours subtotal:
7
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-16 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 MAT 210: Brief Calculus (MA) & 3 & C & \multirow[t]{5}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-A 16-25 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline  & 3 & C & \multirow[t]{2}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Join the W. P. Carey mentorship programs \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 25-31.25 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline 4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 6.25 & & \\
\hline Term 3-A 31.25-37.50 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 81.75-90.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline Upper Division International Business Course AND Global Awareness (G) & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-A 90.75-96.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline S SCM 314: Analytics for Logistics & 3 & C & \multirow[t]{3}{*}{- Attend W. P. Carey and ASU Career Fairs} \\
\hline SCM 385: Business and Sustainability I & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 96.75-105.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MGT 411: Leading Organizations & 3 & C & \\
\hline ) SCM 344: Applied Logistics Management & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 8-A 105.75-114.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline S SCM 445: Advanced Logistics Management & 3 & C & \multirow[t]{5}{*}{- Apply for full-time career opportunities} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Upper Division Elective & 2 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 8.25 & & \\
\hline Term 8-B 114.00-120.00 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course. Cannot share Upper Division International Business Elective with concentration course requirements.

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation

Upper Division International Business Courseselect one course (3 credit hours)


WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)

General Studies Electives
BIO 320: Fundamentals of Ecology
COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 312: Communication, Conflict, and Negotiation

COM 414: Crisis Communication

COM 430: Leadership in Group
Communication

COM 453: Communication Training and Development

ENG 210: Introduction to Creative Writing

ENG 310: Intermediate Creative Writing

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting
MAT 242: Elementary Linear Algebra
MAT 243: Discrete Mathematical Structures
POR 101: Elementary Portuguese
ROM 101: Elementary Romanian
SPA 101: Elementary Spanish
SPA 102: Elementary Spanish

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Business (Global Politics), BA
School/College: W. P. Carey School of Business
Location: Tempe campus
BABUSGPBA

```
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline NPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}
. Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:

16
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume

\begin{tabular}{|c|c|c|}
\hline Elective & \multicolumn{2}{|l|}{3} \\
\hline \multicolumn{3}{|l|}{4. Complete ECN 211 or ECN 212 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4 ( Complete MAT 211 with a grade of " C " or better.} \\
\hline \multicolumn{3}{|l|}{1. Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16.25 & \\
\hline Term 47.50-61.50 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade \\
\hline 4 Global Politics Concentration course & 3 & C \\
\hline ACC 241: Uses of Accounting Information II & 3 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Upper Division Elective & 1 & \\
\hline \multicolumn{3}{|l|}{4 Complete ACC 231 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{Complete ECN 221 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 14 & \\
\hline Term 561.50-76.75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline Global Politics Concentration Course & 3 & C \\
\hline ENG 302: Business Writing (L) & 3 & \\
\hline FIN 300: Fundamentals of Finance & 3 & C \\
\hline MGT 300: Organization and Management Leadership & 3 & C \\
\hline WPCC Career Preparation Course & 0.25 & \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline \multicolumn{3}{|l|}{Complete ACC 241 with a grade of "C" or better.} \\
\hline
\end{tabular}

Term hours subtotal: \(\quad 15.25\)
\begin{tabular}{|c|c|c|}
\hline Term 6 76.75-91.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline POS 350: Comparative Politics (SB \& G) & 3 & C \\
\hline MKT 300: Marketing and Business Performance & 3 & C \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C \\
\hline Upper Division Global Politics Concentration course & 3 & C \\
\hline Upper Division Elective OR POS 484: Internship OR WPC 484: Internship & 3 & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & \\
\hline
\end{tabular}
- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one
- Develop your professional online presence
\begin{tabular}{|c|c|c|}
\hline Term 791.75-106.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 人 POS 360: World Politics (SB \& G) & 3 & C \\
\hline SCM 300: Global Supply Operations & 3 & C \\
\hline
\end{tabular}

C
POS 360: World Politics (SB \& G)
SCM 300: Global Supply Operations
3 C

\section*{Notes}
- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach
- Meet with your academic advisor to discuss your internship course options


Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

\section*{Hrs Resident Credit for}

Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Business (Health Care), BA
School/College: W.........arey School of Business
Location: West campus
BABUSHCBA

```
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline NPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness
(H) & 3 & \\
\hline
\end{tabular}

Minimum 2.00 GPA ASU Cumulative.
Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement. See academic advisor for appropriate Student Success course requirement if not a first-time freshman
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & \multicolumn{2}{|l|}{3} & \multirow[t]{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 1. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline (1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline 4 Complete MAT 210 with a grade of "C" or better. & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{3}{*}{- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline
\end{tabular}


- W. P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, ECN, FIN, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation

WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Health Care Community - 4 courses (12 credit hours)

HCR 231: Fundamentals of Community Health

HCR 335: Program Development and
Management for Community Health
HCR 430: Foundation to Health Care Systems

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career
Health Care Coordination - 4 courses (12
credit hours)
HCR 302: Social Determinants of Health
HCR 321: Advanced Concepts for Health
Care Coordination
HCR 420: Professional Role Development:
Health Care Coordination credit hours)

HCR 302: Social Determinants of Health

HCR 321: Advanced Concepts for Health Care Coordination

HCR 420: Professional Role Development: Health Care Coordination

Health Care Analytics - 4 courses (12 credit hours)

CIS 235: Introduction to Information Systems
CIS 308: Advanced Excel in Business

CIS 310: Business Data Visualization

CIS 405: Business Intelligence

Health Care Delivery - 4 courses ( 12 credit hours)

HCD 302: Health Care Management
HCD 303: Global Health Care Systems (G) HCD 304: Health Care Finance

HCD 330: Health Care Systems in the U.S.

HCR 435: Leaders in Community Health
HCR 435: Leaders in Community Health
\begin{tabular}{l} 
HCR 422: Policy and Financial Principles in \\
Health Care Coordination
\end{tabular}
\begin{tabular}{l} 
Health Care Innovation - 4 courses (12 credit \\
hours)
\end{tabular}
\begin{tabular}{l} 
Upper Division International Business Course \\
- one course (3 credit hours)
\end{tabular}
HCI 311: Health Innovation: Foundational \begin{tabular}{l} 
AGB 302: International Management and \\
Concepts
\end{tabular} \begin{tabular}{l} 
Agribusiness (G)
\end{tabular}

HCD 402: Health Economics
HCD 403: Process Engineering
General Studies Electives
ARB 101: Elementary Arabic I
ARB 102: Elementary Arabic II
BIO 320: Fundamentals of Ecology
CHI 205: Chinese Calligraphy
COM 207: Introduction to Communication
Inquiry
COM 259: Communication in Business and
the Professions

COM 281: Communication Activities
COM 310: Relational Communication
COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication
COM 341: Social Contexts for Performance
COM 414: Crisis Communication
COM 430: Leadership in Group
Communication
COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing
ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing
ENG 314: Modern Grammar
ENG 345: Selected Authors or Issues
FAS 301: Introduction to Parenting
FRE 111: Fundamentals of French
FRE 472: Franco-Canadian Civilization
GCU 433: Geography of Southeast Asia
GER 101: Elementary German I (G)
GER 102: Elementary German II (G)
GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek
HST 389: Japan Society and Values/Premod
IDN 101: Elementary Indonesian I
IDN 102: Elementary Indonesian II

ITA 420: Italian Cinema (L \& G)
JPN 206: Japanese Calligraphy JPN 414: Introduction to Classical Japanese KOR 101: First-Year Korean I KOR 102: First-Year Korean II
General Studies Electives Continued
LAT 101: Elementary Latin
LAT 102: Elementary Latin
MAT 242: Elementary Linear Algebra
MAT 243: Discrete Mathematical Structures
MAT 310: Introduction to Geometry
MAT 342: Linear Algebra
MAT 362: Advanced Mathematics for
Engineers and Scientists
MAT 370: Intermediate Calculus
MAT 371: Advanced Calculus I
POR 101: Elementary Portuguese
MAT 372: Advanced Calculus II
MAT 485: History of Mathematics
MAT 410: Introduction to General Topology
MAT 472: Intermediate Real Analysis I
MAT 475: Differential Equations
MAT 462: Applied Partial Differential
MAT 415: Introduction to Combinatorics
MAT 460: Vector Calculus
MAT 416: Introduction to Graph Theory
MAT 442: Advanced Linear Algebra
MAT 443: Introduction to Abstract Algebra
MAT 444: Intermediate Abstract Algebra
MAT 445: Theory of Numbers
MA
MA
MA
MA
MA
MA
\begin{tabular}{|c|}
\hline ROM 101: Elementary Romanian \\
\hline ROM 201: Intermediate Romanian \\
\hline ROM 313: Romanian Composition and Conversation \\
\hline ROM 314: Romanian Composition and Conversation \\
\hline RUS 101: Elementary Russian I \\
\hline RUS 102: Elementary Russian II \\
\hline SHS 101: American Sign Language I \\
\hline SHS 102: American Sign Language II \\
\hline SHS 201: American Sign Language III \\
\hline SHS 202: American Sign Language IV \\
\hline SPA 101: Elementary Spanish I \\
\hline SPA 102: Elementary Spanish II \\
\hline SPA 111: Fundamentals of Spanish \\
\hline SPA 315: Advanced Spanish I for Bilinguals (C) \\
\hline SPA 316: Advanced Spanish II for Bilinguals (L \& C) \\
\hline SPA 434: Drama of the Golden Age \\
\hline SPA 454: 19th-Century Spanish American Narrative \\
\hline SPA 456: 20th-Century Spanish American Fiction \\
\hline SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala \\
\hline SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C) \\
\hline THA 101: Elementary Thai I \\
\hline THA 102: Elementary Thai II \\
\hline
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Business (Human Resources), BA
School/College: W. P. Carey School of Business
Location: Polytechnic campus
BABUSHRBA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}


Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3

WPC Career Preparation Course 0.25
COM 100: Introduction to Human Communication (SB) OR COM
225: Public Speaking (L) OR COM 230: Small Group
Communication (SB) OR COM 259: Communication in Business and the Professions

SOC OR PSY course (SB) 3
!. Complete CIS 105 with a grade of "C" or better.
1. Complete MAT 210 with a grade of "C" or better.
. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Minimum 2.00 GPA ASU Cumulative.
Term hours subtotal
15.25
\begin{tabular}{|c|c|c|}
\hline Term 331.25-47.50 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline ACC 231: Uses of Accounting Information I & 3 & C \\
\hline ECN 221: Business Statistics (CS) & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline General Studies Elective & 3 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU Career Fairs
- Continue using WPC 360
- Join the W. P. Carey mentorship programs
- Explore student leadership opportunities in W. P. Carey

\begin{tabular}{|c|c|c|c|}
\hline M MGT 425: Global Human Resources & 3 & C & - Update your resume \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MGT 422: Staffing & 3 & C & - Apply for full-time career opportunities \\
\hline MGT 424: Employment Law & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline MGT 484: Internship OR Upper Division Elec................................................. & 3 & & \\
\hline Upper Division Elective & 1 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 13.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{l} 
WPC Career Preparation Courses (1 credit hr \\
total)
\end{tabular} \\
\begin{tabular}{l} 
WPC Career Preparation Courses - Transfer \\
Student Track (1 credit hr total)
\end{tabular} \\
\hline WPC 248: Sophomore Career Preparation
\end{tabular} \begin{tabular}{l} 
WPC 347: Intermediate Career Preparation
\end{tabular}

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)

Upper Division International Business Courseselect one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)
\begin{tabular}{|c|c|}
\hline COM 310: Relational Communication & MAT 371: Advanced Calculus I \\
\hline \multirow[t]{2}{*}{COM 312: Communication, Conflict, and Negotiation} & MAT 372: Advanced Calculus II \\
\hline & \\
\hline \multirow[t]{2}{*}{COM 317: Nonverbal Communication} & \\
\hline & MAT 415: Introduction to Combinatorics \\
\hline COM 341: Social Contexts for Performance & \\
\hline \multirow[t]{2}{*}{COM 414: Crisis Communication} & \\
\hline & MAT 442: Advanced Linear Algebra \\
\hline COM 430: Leadership in Group Communication & MAT 443: Introduction to Abstract Algebra \\
\hline \multirow[t]{2}{*}{COM 453: Communication Training and Development} & MAT 444: Intermediate Abstract Algebra \\
\hline & MAT 445: Theory of Numbers \\
\hline COM 465: Intercultural Communication Workshop & MAT 460: Vector Calculus \\
\hline ENG 210: Introduction to Creative Writing & MAT 461: Applied Complex Analysis \\
\hline ENG 213: Introduction to the Study of Language & MAT 462: Applied Partial Differential Equations \\
\hline ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline ENG 345: Selected Authors or Issues & MAT 485: History of Mathematics \\
\hline FAS 301: Introduction to Parenting & POR 101: Elementary Portuguese \\
\hline FRE 111: Fundamentals of French & ROM 101: Elementary Romanian \\
\hline FRE 472: Franco-Canadian Civilization & ROM 201: Intermediate Romanian \\
\hline GCU 433: Geography of Southeast Asia & ROM 313: Romanian Composition and Conversation \\
\hline GER 111: Fundamentals of German & ROM 314: Romanian Composition and \\
\hline GRK 101: Elementary Ancient Greek & Conversation \\
\hline GRK 201: Intermediate Ancient Greek & RUS 101: Elementary Russian I \\
\hline HST 389: Japan Society and Values/Premod & RUS 102: Elementary Russian II \\
\hline IDN 101: Elementary Indonesian I & SHS 101: American Sign Language I \\
\hline IDN 102: Elementary Indonesian II & SHS 102: American Sign Language II \\
\hline JPN 206: Japanese Calligraphy & SHS 201: American Sign Language III \\
\hline JPN 414: Introduction to Classical Japanese & SHS 202: American Sign Language IV \\
\hline KOR 101: First-Year Korean I & SPA 101: Elementary Spanish I \\
\hline \multirow[t]{5}{*}{KOR 102: First-Year Korean II} & SPA 102: Elementary Spanish \\
\hline & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American Narrative \\
\hline & SPA 456: 20th-Century Spanish American Fiction \\
\hline
\end{tabular}
```

SPA 486: Chicano/a Novel: Ãltima, Rafa y
Lala
THA 101: Elementary Thai I
THA 102: Elementary Thai II

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Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: W. P. Carey School of Business.
Location: West campus
BABUSISBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Minimum 2.00 GPA ASU Cumulative.
Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement. See academic advisor for appropriate Student Success course requirement if not a first-time freshman
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & - Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \begin{tabular}{l}
and options. \\
- Attend W. P. Carey and ASU Career Fairs
\end{tabular} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \begin{tabular}{l}
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities
\end{tabular} \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & in W P Carey \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline \multicolumn{4}{|l|}{4. Complete CIS 105 with a grade of "C" or better.} \\
\hline \multicolumn{4}{|l|}{1. Complete MAT 210 with a grade of "C" or better.} \\
\hline \multicolumn{4}{|l|}{4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{4}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & skills courses in specified term may lead to a delay in graduation. See your academic \\
\hline ECN 221: Business Statistics (CS) & 3 & C & advisor for more information and options. \\
\hline \multicolumn{4}{|r|}{Academic Catalog Archive 2018-2019 2130} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC Career Preparation Course & \multicolumn{2}{|l|}{0.25} \\
\hline Cultural Diversity in the U.S. (C) & \multicolumn{2}{|l|}{3} \\
\hline Natural Science - Quantitative (SQ) & \multicolumn{2}{|l|}{4} \\
\hline \multicolumn{3}{|l|}{4. Complete ECN 211 or ECN 212 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4 Complete MAT 211 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{16.25} \\
\hline Term 47.50-61.50 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4. CIS 235: Introduction to Information Systems & 3 & C \\
\hline ACC 241: Uses of Accounting Information II & 3 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Upper Division Elective & 1 & \\
\hline \multicolumn{3}{|l|}{4. Complete ACC 231 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Complete ECN 221 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{1. Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{14} \\
\hline Term 561.50-76.75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline CIS 325: Fundamental Techniques for Business Data Analytics & 3 & C \\
\hline \(\bigcirc\) CIS 360: Business Database Concepts & 3 & C \\
\hline ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L) & \multicolumn{2}{|l|}{3} \\
\hline MKT 300: Marketing and Business Performance & 3 & C \\
\hline WPC Career Preparation Course & \multicolumn{2}{|l|}{0.25} \\
\hline General Studies Elective & \multicolumn{2}{|l|}{3} \\
\hline
\end{tabular}

Term hours subtotal: \(\quad 15.25\)
\(\begin{array}{l}\text { Term } 6 \text { 76.75 - 91.75 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
ACO 351: Governance, Risk and Compliance OR ACO 402: Privacy, \\
Ethics and Compliance Issues or CIS 402: Privacy, Ethics and Compliance Issues
\end{tabular} & 3 & C & \multirow[t]{2}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Gather professional references \\
- Update your resume
\end{tabular}} \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline MGT 300: Organization and Management Leadership & 3 & C & \\
\hline General Studies Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline FOR 350: Computer Forensics & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Apply for full-time career opportunities \\
- Meet with your academic advisor to discuss your internship course options
\end{tabular}} \\
\hline SCM 300: Global Supply Operations & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Upper Division Elective OR WPC 484: Internship & 3 & & \\
\hline Upper Division Elective & 1 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 13.25 & & \\
\hline
\end{tabular}
- W. P. Carey School of Business students may not use courses with the following prefixes to satisfy General Studies course requirements: ACC, AGB, BUA, BUS, CIS, ECN, ENT, FIN, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.

\section*{Hide Course List(s)/Track Group(s)}

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation

WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Upper Division International Business Courseselect one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)
\begin{tabular}{|l|l|}
\hline General Studies Electives & General Studies Electives Continued \\
\hline ARB 101: Elementary Arabic I & LAT 101: Elementary Latin \\
\hline ARB 102: Elementary Arabic II & LAT 102: Elementary Latin \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline BIO 320: Fundamentals of Ecology & MAT 242: Elementary Linear Algebra \\
\hline CHI 205: Chinese Calligraphy & MAT 243: Discrete Mathematical Structures \\
\hline COM 207: Introduction to Communication & MAT 310: Introduction to Geometry \\
\hline Inquiry & \\
\hline COM 259: Communication in Business and & \\
\hline the Professions & MAT 362: Advanced Mathematics for \\
\hline & S \\
\hline COM 281: Communication Activities & MAT 370: Intermediate Calculus \\
\hline COM 310: Relational Communication & \\
\hline & MAT 371. Advanced Calculus I \\
\hline COM 312: Communication, conflict, and Negotiation & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline COM 430: Leadership in Group & MAT 442: Advanced Linear Algebra \\
\hline Communication & MAT 443: Introduction to Abstract Algebra \\
\hline COM 453: Communication Training and Development & MAT 444: Intermediate Abstract Algebra \\
\hline COM 465: Intercultural Communication & MAT 445: Theory of Numbers \\
\hline Workshop & MAT 460: Vector Calculus \\
\hline ENG 210: Introduction to Creative Writing & MAT 461: Applied Complex Analysis \\
\hline ENG 213: Introduction to the Study of Language & MAT 462: Applied Partial Differential Equations \\
\hline ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline ENG 345: Selected Authors or Issues & MAT 485: History of Mathematics \\
\hline FAS 301: Introduction to Parenting & POR 101: Elementary Portuguese \\
\hline FRE 472: Franco-Canadian Civilization & ROM 101: Elementary Romanian \\
\hline GCU 433: Geography of Southeast Asia & ROM 201: Intermediate Romanian \\
\hline GRK 101: Elementary Ancient Greek & ROM 313: Romanian Composition and \\
\hline GRK 201: Intermediate Ancient Greek & Conversation \\
\hline HST 389: Japan Society and Values/Premod & ROM 314: Romanian Composition and Conversation \\
\hline IDN 101: Elementary Indonesian I & RUS 101: Elementary Russian I \\
\hline IDN 102: Elementary Indonesian II & RUS 102: Elementary Russian II \\
\hline JPN 206: Japanese Calligraphy & SHS 101: American Sign Language I \\
\hline JPN 414: Introduction to Classical Japanese & SHS 102: American Sign Language II \\
\hline KOR 101: First-Year Korean I & SHS 201: American Sign Language III \\
\hline KOR 102: First-Year Korean II & SHS 202: American Sign Language IV \\
\hline & SPA 101: Elementary Spanish I \\
\hline
\end{tabular}

SPA 102: Elementary Spanish II
SPA 111: Fundamentals of Spanish
SPA 486: Chicano/a Novel: Ãltima, Rafa y
Lala

Total Hours: 120.00
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Business (Law), BA
School/College: W.........arey School of Business
Location: Tempe campus
BABUSLBA

```
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

1. Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR 3 C ENG 107 or ENG 108: First-Year Composition WPC Career Preparation Course 0.25
COM 100: Introduction to Human Communication (SB) OR COM
225: Public Speaking (L) OR COM 230: Small Group
Communication (SB) OR COM 259: Communication in Business and the Professions

SOC OR PSY course (SB) 3
4. Complete CIS 105 with a grade of "C" or better.
1. Complete MAT 210 with a grade of "C" or better.
. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
1. Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal
15.25
\begin{tabular}{|c|c|c|}
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline ACC 231: Uses of Accounting Information I & 3 & C \\
\hline ECN 221: Business Statistics (CS) & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU Career Fairs
- Continue using WPC 360
- Join the W. P. Carey mentorship programs
- Explore student leadership opportunities in W. P. Carey

\begin{tabular}{|c|c|c|c|}
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \multirow[t]{2}{*}{- Update your resume} \\
\hline Upper Division Elective OR LAW 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline LAW 480: Business, Law and Society & 3 & C & - Apply for full-time career opportunities \\
\hline FIN 300: Fundamentals of Finance & 3 & C & - Meet with your academic advisor to \\
\hline WPC Career Preparation Course & 0.25 & & discuss your internship course options \\
\hline Upper Division Elective OR LAW 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & 1 & & \\
\hline Term hours subtotal: & 13.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

\section*{Hide Course List(s)/Track Group(s)}

WPC Career Preparation Courses ( 1 credit hr total)

WPC 148: Freshman Career Preparation

WPC 248: Sophomore Career Preparation WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Law Concentration Electives- select four courses (12 credit hours)

AGB 414: Food and Agribusiness Policy Issues (L)

COM 222: Argumentation (L)

COM 326: Court Room Oratory

ENG 216: Persuasive Writing on Public Issues (L)

ENG 472: Rhetorical Studies (L)

HST 322: Constitutional History of the United States Since 1865 (H)

LAW 310: The Global Legal Community

LAW 315: Foundations in American Business Law

LES 380: Consumer Perspective of Business Law

MGT 420: Human Resource Management
MGT 424: Employment Law

MGT 430: Negotiations
PHI 103: Principles of Sound Reasoning (L or \(\mathrm{HU})\)

FRE 472: Franco-Canadian Civilization
GCU 433: Geography of Southeast Asia
ROM 201: Intermediate Romanian
GER 111: Fundamentals of German \begin{tabular}{l} 
ROM 313: Romanian Composition and \\
Conversation
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Business (Public Service and Public Policy), BA}

School/College: W. P. Carey School of Business
Location: Tempe campus
BABUSPBA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume

\begin{tabular}{|c|c|c|}
\hline General Studies Elective & \multicolumn{2}{|l|}{3} \\
\hline \multicolumn{3}{|l|}{4 . Complete MAT 211 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Complete ECN 211 or ECN 212 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(7. Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16.25 & \\
\hline Term 47.50-61.50 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline 4 PAF 200: Public Service and Policy in the 21st Century & 3 & C \\
\hline ACC 241: Uses of Accounting Information II & 3 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline General Studies Elective & 3 & \\
\hline Upper Division Elective & 1 & \\
\hline \multicolumn{3}{|l|}{4. Complete ACC 231 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Complete ECN 221 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 14 & \\
\hline Term 561.50-76.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline PAF 300: Public Management and Administration & 3 & C \\
\hline ENG 302: Business Writing (L) & 3 & \\
\hline MKT 300: Marketing and Business Performance & 3 & C \\
\hline SCM 300: Global Supply Operations & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline \multicolumn{3}{|l|}{Complete ACC 241 with a grade of " C " or better.} \\
\hline
\end{tabular}

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.


PSPP Concentration Courses - select two courses (6 credit hours)

PAF 302: Public Service Research Methods PAF 410: Building Leadership Skills (SB) PAF 460: Public Service Ethics

PAF 470: Topics in Public Economics and Financial Management

PAF 471: Public Policy Analysis

General Studies Electives Continued
LAT 101: Elementary Latin
LAT 102: Elementary Latin

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for Engineers and Scientists
\begin{tabular}{|c|c|}
\hline COM 310: Relational Communication & MAT 370: Intermediate Calculus \\
\hline \multirow[t]{2}{*}{COM 312: Communication, Conflict, and Negotiation} & MAT 371: Advanced Calculus I \\
\hline & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline COM 430: Leadership in Group Communication & MAT 442: Advanced Linear Algebra \\
\hline & MAT 443: Introduction to Abstract Algebra \\
\hline COM 453: Communication Training and Development & MAT 444: Intermediate Abstract Algebra \\
\hline COM 465: Intercultural Communication & MAT 445: Theory of Numbers \\
\hline Workshop & MAT 460: Vector Calculus \\
\hline ENG 210: Introduction to Creative Writing & MAT 461: Applied Complex Analysis \\
\hline ENG 213: Introduction to the Study of Language & MAT 462: Applied Partial Differential Equations \\
\hline ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline ENG 345: Selected Authors or Issues & MAT 485: History of Mathematics \\
\hline FAS 301: Introduction to Parenting & POR 101: Elementary Portuguese \\
\hline FRE 111: Fundamentals of French & ROM 101: Elementary Romanian \\
\hline FRE 472: Franco-Canadian Civilization & ROM 201: Intermediate Romanian \\
\hline GCU 433: Geography of Southeast Asia & \multirow[t]{2}{*}{ROM 313: Romanian Composition and Conversation} \\
\hline GER 111: Fundamentals of German & \\
\hline GRK 101: Elementary Ancient Greek & \multirow[t]{2}{*}{ROM 314: Romanian Composition and Conversation} \\
\hline GRK 201: Intermediate Ancient Greek & \\
\hline ST 389: Japan Society and Values/Premod & RUS 101: Elementary Russian I \\
\hline  & \multirow[t]{2}{*}{RUS 102: Elementary Russian II} \\
\hline IDN 101: Elementary Indonesian I & \\
\hline IDN 102: Elementary Indonesian II & SHS 101: American Sign Language I \\
\hline  & SHS 102: American Sign Language II \\
\hline JPN 206: Japanese Calligraphy & \multirow[t]{2}{*}{SHS 201: American Sign Language III} \\
\hline JPN 414: Introduction to Classical Japanese & \\
\hline KOR 101: First-Year Korean I & SHS 202: American Sign Language IV \\
\hline \multirow{6}{*}{KOR 102: First-Year Korean II} & SPA 101: Elementary Spanish I \\
\hline & SPA 102: Elementary Spanish \\
\hline & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American Narrative \\
\hline & SPA 456: 20th-Century Spanish American Fiction \\
\hline Academic Catalog Archive 2018-2019 & 2143 \\
\hline
\end{tabular}

\title{
SPA 486: Chicano/a Novel: Ãltima, Rafa y
} Lala

THA 101: Elementary Thai I

THA 102: Elementary Thai II

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Business (Retail Management), BA
School/College: W. P. Carey School of Business
Location: Online
BABUSRBA
\begin{tabular}{|c|c|c|c|}
\hline erm 1-A 0-7 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement
- Join a student club or organization
- Create your first college resume


Term hours subtotal:
6
\(\begin{array}{l}\text { Term } 6 \text { - B 81.75 - } 90.75 \text { Credit Hours Necessary course signified by } \\ \text { FIN 300: Fundamentals of Finance }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

WPC Career Preparation Courses ( 1 credit hr total)

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

Upper Division International Business Courseselect one course (3 credit hours)


Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: W. P. Carey School of Business
Location: Tempe campus, West campus
BABUSSLBA
\begin{tabular}{|l|l|l|l|}
\hline Term 10-14 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & \multicolumn{2}{|l|}{1} \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline SPA 101: Elementary Spanish OR SPA 110: Intensive Spanish I (G) OR Elective & 4-6 & C \\
\hline
\end{tabular}

\section*{- Minimum 2.00 GPA ASU Cumulative.}

Term hours subtotal: \(14-16\)
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible to take SPA 101 and are required to request a permission override to register for this course. Students who have had previous experience in Spanish are required to take a Spanish Placement Test
- Join a student club or organization
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-29.25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline  & 0.25 & & \\
\hline SPA 102: Elementary Spanish OR SPA 210: Intensive Spanish II (G) OR Elective & 4-6 & C & \\
\hline Elective & 2 & & \\
\hline 4. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline Complete MAT 210 with a grade of "C" or better. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15.25-17.25} & \\
\hline Term 3 29.25-45.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline ECN 221: Business Statistic...................................... & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline COM 263: Elements of Intercultural Communication (SB \& C \& G) & 3 & & \\
\hline SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish for Bilinguals (G) & 4 & C & \\
\hline \multicolumn{4}{|l|}{4. Complete MAT 211 with a grade of "C" or better.} \\
\hline \multicolumn{4}{|l|}{4. Complete ECN 211 or ECN 212 with a grade of "C" or better.} \\
\hline \multicolumn{4}{|l|}{(-) Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16.25 & & \\
\hline Term 4 45.50-59.50 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish for Bilinguals (G) & 4 & C & - Failure to successfully complete business \\
\hline ACC 241: Uses of Accounting Information II & 3 & C & delay in graduation. See your academic \\
\hline Literacy and Critical Inquiry (L) (POS 260 recommended) & 3 & & advisor for more information and options. \\
\hline Natural Science - Quantitative (SQ) & 4 & & - Attend W. P. Carey and ASU career fairs \\
\hline (1) Complete ACC 231 with a grade of "C" or better. & & & - Develop your professional online presence \\
\hline \multicolumn{4}{|l|}{(4) Complete ECN 221 with a grade of "C" or better.} \\
\hline \multicolumn{4}{|l|}{(1) Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{14} & \\
\hline Term 5 59.50-75.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
SPA 313: Spanish Conversation and Composition (G) OR SPA 315: \\
Spanish Conversation and Composition for Bilinguals (C)
\end{tabular} & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Meet with your W. P. Carey Career Coach \\
- Update your resume
\end{tabular}} \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline MGT 300: Organization and Management Leadership & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \multicolumn{3}{|l|}{W Complete ACC 241 with a grade of "C" or better.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16.25} & \\
\hline Term 675.75-90.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
SPA 314: Spanish Conversation and Composition (G) OR SPA 316: \\
Spanish Conversation and Composition for Bilinguals (L \& C)
\end{tabular} & 3 & C & \begin{tabular}{l}
- Complete informational interviews \\
- Complete an in person or virtual practice
\end{tabular} \\
\hline ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L) & 3 & & interview with your W. P. Carey Career Coach \\
\hline MKT 300: Marketing and Business Performance & 3 & C & \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline MGT 302: Principles of International Business (G) OR ECN 306: Survey of International Economics (SB \& G) & 3 & C & \\
\hline \multicolumn{4}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} \\
\hline Term hours subtotal: & 15 & & \\
\hline & & Minimum & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7 90.75-105.75 Credit Hours Necessary course signified by & Hours & Grade & Notes \\
\hline SPA 319: Business Correspondence and Communication (G) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Gather professional references \\
- Update your resume
\end{tabular}} \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline SCM 300: Global Supply Operations & 3 & C & \\
\hline Upper Division International Business Elective & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H) ( SPA 472 recommended) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 105.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
SPA 402: Written Communication for the Professions OR SPA 405: \\
Latino Cultural Perspectives for the Professions (C)
\end{tabular} & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Apply for full-time career opportunities \\
- Meet with your academic advisor to discuss your internship course options
\end{tabular}} \\
\hline MGT 459: International Management (G) & 3 & C & \\
\hline SPA 412: Advanced Conversation and Composition (G) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Elective OR SPA 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Upper Division Elective & 2 & & \\
\hline Term hours subtotal: & 14.25 & & \\
\hline
\end{tabular}
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{l} 
WPC Career Preparation Courses (1 credit hr \\
total)
\end{tabular} \\
\hline WPC 148: Freshman Career Preparation \\
Student Track (1 credit hr total) - Transfer
\end{tabular}

Upper Division International Business Elective- select one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

ECN 331: Economics of the European Economic Union (SB \& G)

ECN 360: Economic Development (SB \& G) ECN 436: International Trade Theory (SB \& G)

ECN 438: International Monetary Economics (SB \& G)

FIN 456: International Financial Management (G)

MGT 302: Principles of International Business (G)

MGT 400: Cross-Cultural Management (C \& G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management
(G)

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: W. P. Carey School of Business
Location: Polytechnic campus, Tempe campus
BABUSMSBA

This program's name has changed effective Fall 2018. The previous name was Business (Sports and Media Studies).
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) WPC 101: Student Success in Business & 1 & & \multirow{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement \\
- Join a student club or organization \\
- Organize and track your activities, events, and experiences with WPC 360 \\
- Create your first college resume
\end{tabular}} \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline \begin{tabular}{l}
Humanities, Arts and Design (HU) AND Historical Awareness \\
(H) \\
Minimum 2.00 GPA ASU Cumulative.
\end{tabular} & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-31.25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & \multicolumn{2}{|c|}{d} & \\
\hline SOC OR PSY course (SB) & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{4. Complete CIS 105 with a grade of " C " or better.} & \\
\hline \multicolumn{3}{|l|}{4. Complete MAT 210 with a grade of "C" or better.} & \\
\hline \multicolumn{3}{|l|}{(4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline \multicolumn{3}{|l|}{(1) Minimum 2.00 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15.25} & \\
\hline Term 331.25-47.50 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline
\end{tabular}


Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s)
\begin{tabular}{|c|c|c|c|}
\hline Term 7 91.75-106.75 Credit Hours Necessary course signified by & Hours & Grade & Notes \\
\hline Upper Division Sports Business Elective & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Gather professional references \\
- Update your resume
\end{tabular}} \\
\hline Upper Division Sports Business Elective & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MCO 465: Sports and Media & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Apply for full-time career opportunities \\
- Meet with your academic advisor to discuss your internship course options
\end{tabular}} \\
\hline Upper Division Sports Business Elective & 3 & C & \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Upper Division Elective OR MKT 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Upper Division Elective & 1 & & \\
\hline Term hours subtotal: & 13.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} & \multirow[b]{2}{*}{Upper Division Sports Business Electivesselect three courses ( 9 credit hours)} \\
\hline WPC Career Preparation Courses (1 credit hr total) & WPC Career Preparation Courses - Transfer Student Track (1 credit hr total) & \\
\hline WPC 148: Freshman Career Preparation & WPC 347: Intermediate Career Preparation & \multirow[t]{2}{*}{MKT 431: Sports Events and Facility Management} \\
\hline WPC 248: Sophomore Career Preparation & WPC 348: Junior Career Preparation & \\
\hline WPC 348: Junior Career Preparation & WPC 448: Intensive Career Preparation or & MKT 441: Sports Revenue Generation \\
\hline \multirow{4}{*}{WPC 448: Intensive Career Preparation or WPC 449: Campus to Career} & \multirow[t]{2}{*}{WPC 449: Campus to Career} & MKT 451: Sports Business Analytics \\
\hline & & MKT 484: Internship \\
\hline & & MKT 493: Honors Thesis (L) \\
\hline & & MCO 420: Strategic Sports Communication \\
\hline \multirow[t]{2}{*}{Upper Division International Business Courseselect one course (3 credit hours)} & General Studies Electives & General Studies Electives Continued \\
\hline & ARB 101: Elementary Arabic I & LAT 101: Elementary Latin \\
\hline AGB 302: International Management and Agribusiness (G) & ARB 102: Elementary Arabic II & LAT 102: Elementary Latin \\
\hline \multirow[t]{2}{*}{ECN 306: Survey of International Economics
\[
(\mathrm{SB} \& \mathrm{G})
\]} & BIO 320: Fundamentals of Ecology & MAT 242: Elementary Linear Algebra \\
\hline & CHI 205: Chinese Calligraphy & MAT 243: Discrete Mathematical Structures \\
\hline MGT 302: Principles of International Business (G) & COM 207: Introduction to Communication Inquiry & MAT 310: Introduction to Geometry \\
\hline MKT 425: Global Marketing Management (G) & & MAT 342: Linear Algebra \\
\hline
\end{tabular}

SCM 463: Global Supply Chain Management (G)
\begin{tabular}{|c|c|}
\hline COM 259: Communication in Business and the Professions & MAT 362: Advanced Mathematics for Engineers and Scientists \\
\hline COM 281: Communication Activities & MAT 370: Intermediate Calculus \\
\hline COM 310: Relational Communication & MAT 371: Advanced Calculus I \\
\hline COM 312: Communication, Conflict, and & MAT 372: Advanced Calculus II \\
\hline Negotiation & MAT 410: Introduction to General Topology \\
\hline COM 317: Nonverbal Communication & MAT 415: Introduction to Combinatorics \\
\hline COM 341: Social Contexts for Performance & MAT 416: Introduction to Graph Theory \\
\hline COM 414: Crisis Communication & MAT 442: Advanced Linear Algebra \\
\hline COM 430: Leadership in Group Communication & MAT 443: Introduction to Abstract Algebra \\
\hline COM 453: Communication Training and & MAT 444: Intermediate Abstract Algebra \\
\hline Development & MAT 445: Theory of Numbers \\
\hline \begin{tabular}{l}
COM 465: Intercultural Communication \\
Workshop
\end{tabular} & MAT 460: Vector Calculus \\
\hline & MAT 461: Applied Complex Analysis \\
\hline ENG 210: Introduction to Creative Writing & \\
\hline ENG 213: Introduction to the Study of Language & Equations \\
\hline & MAT 472: Intermediate Real Analysis I \\
\hline ENG 310: Intermediate Creative Writing & MAT 475: Differential Equations \\
\hline ENG 314: Modern Grammar &  \\
\hline ENG 345: Selected Authors or Issues & 485. History of Mathematic \\
\hline FAS 301: Introduction to Parenting & POR 101: Elementary Portuguese \\
\hline FAS 301. Introduction to Parenting & ROM 101: Elementary Romanian \\
\hline FRE 111: Fundamentals of French & ROM 201: Intermediate Romania \\
\hline FRE 472: Franco-Canadian Civilization & ROM 201. Intermediate Romania \\
\hline GCU 433: Geography of Southeast Asia & ROM 313: Romanian Composition and Conversation \\
\hline GER 111: Fundamentals of German & ROM 314: Romanian Composition and \\
\hline GRK 101: Elementary Ancient Greek & Conversation \\
\hline GRK 201: Intermediate Ancient Greek & RUS 101: Elementary Russian I \\
\hline HST 389: Japan Society and Values/Premod & RUS 102: Elementary Russian II \\
\hline IDN 101: Elementary Indonesian I & SHS 101: American Sign Language I \\
\hline IDN 102: Elementary Indonesian II & SHS 102: American Sign Language II \\
\hline JPN 206: Japanese Calligraphy & SHS 201: American Sign Language III \\
\hline JPN 414: Introduction to Classical Japanese & SHS 202: American Sign Language IV \\
\hline KOR 101: First-Year Korean I & SPA 101: Elementary Spanish I \\
\hline KOR 102: First-Year Korean II & SPA 102: Elementary Spanish \\
\hline & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American Narrative \\
\hline
\end{tabular}

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala

THA 101: Elementary Thai I

THA 102: Elementary Thai II

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: W. P. Carey School of Business
Location: West campus
BABUSTABA

\section*{ASU is not currently accepting applications for this program.}
\begin{tabular}{|c|c|c|c|}
\hline Term 10-17 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 4 WPC 101: Student Success in Business & 1 & & \multirow{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. This degree program also requires the Advanced Math Placement Test for placement into MAT 270. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement.
\end{tabular}} \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \\
\hline MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 2 17-33.25 Credit Hours Critical course signified by \({ }^{+}\) & Hours & Minimum Grade & Notes \\
\hline MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C & \multirow{13}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline \multicolumn{3}{|l|}{COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions} & \\
\hline \multicolumn{3}{|l|}{SOC OR PSY course (SB) 3} & \\
\hline \multicolumn{3}{|l|}{4. Complete CIS 105 with a grade of "C" or better.} & \\
\hline \multicolumn{3}{|l|}{4. Complete MAT 270 with a grade of "C" or better.} & \\
\hline \multicolumn{3}{|l|}{1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline \multicolumn{3}{|l|}{Minimum 2.00 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16.25} & \\
\hline Term 3 33.25-49.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1 STP 280: Probability and Statistics for Researchers (CS) & 3 & C & \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline W & Hours & Grade & Notes \\
\hline STP 451: Quality Improvement & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Statistics major courses (STP 310, 311, 451 and STP elective) must be completed before enrolling in STP 485 Capstone \\
- Attend W. P. Carey and ASU Career Fairs \\
- Meet with your academic advisor to discuss your internship course options
\end{tabular}} \\
\hline Upper Division Statistics Concentration Elective & 3 & C & \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline Upper Division Elective OR STP 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Upper Division Elective & 2 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 8 107.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline STP 485: Statistics Capstone & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Apply for full-time career opportunities \\
- Meet with your academic advisor to discuss your internship course options
\end{tabular}} \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective OR STP 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Term hours subtotal: & 12.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{l} 
WPC Career Preparation Courses (1 credit hr \\
total)
\end{tabular} \\
\begin{tabular}{l} 
WPC Career Preparation Courses - Transfer \\
Student Track (1 credit hr total)
\end{tabular} \\
\hline WPC 248: Sophomore Career Preparation
\end{tabular} \begin{tabular}{l} 
WPC 347: Intermediate Career Preparation
\end{tabular}

Upper Division Statistics Concentration Electives - choose one course (3 credit hours)

STP 315: Statistical Computing
STP 421: Probability
STP 427: Mathematical Statistics
STP 450: Nonparametric Statistics
STP 452: Multivariate Statistics
STP 460: Categorical Data Analysis

General Studies Electives Continued
LAT 101: Elementary Latin
LAT 102: Elementary Latin
MAT 242: Elementary Linear Algebra
MAT 243: Discrete Mathematical Structures
MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for Engineers and Scientists

SCM 463: Global Supply Chain Management (G)
\begin{tabular}{|c|c|}
\hline COM 281: Communication Activities & MAT 370: Intermediate Calculus \\
\hline COM 310: Relational Communication & MAT 371: Advanced Calculus I \\
\hline COM 312: Communication, Conflict, and Negotiation & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline COM 430: Leadership in Group & MAT 442: Advanced Linear Algebra \\
\hline Communication & MAT 443: Introduction to Abstract Algebra \\
\hline COM 453: Communication Training and Development & MAT 444: Intermediate Abstract Algebra \\
\hline \multirow[t]{2}{*}{COM 465: Intercultural Communication Workshop} & MAT 445: Theory of Numbers \\
\hline & MAT 460: Vector Calculus \\
\hline ENG 210: Introduction to Creative Writing & MAT 461: Applied Complex Analysis \\
\hline ENG 213: Introduction to the Study of Language & MAT 462: Applied Partial Differential Equations \\
\hline ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline ENG 345: Selected Authors or Issues & MAT 485: History of Mathematics \\
\hline FAS 301: Introduction to Parenting & POR 101: Elementary Portuguese \\
\hline FRE 111: Fundamentals of French & ROM 101: Elementary Romanian \\
\hline FRE 472: Franco-Canadian Civilization & ROM 201: Intermediate Romanian \\
\hline GCU 433: Geography of Southeast Asia & ROM 313: Romanian Composition and Conversation \\
\hline GER 111: Fundamentals of German & \multirow[t]{2}{*}{ROM 314: Romanian Composition and Conversation} \\
\hline GRK 101: Elementary Ancient Greek & \\
\hline GRK 201: Intermediate Ancient Greek & RUS 101: Elementary Russian I \\
\hline HST 389: Japan Society and Values/Premod & RUS 102: Elementary Russian II \\
\hline IDN 101: Elementary Indonesian I & SHS 101: American Sign Language I \\
\hline IDN 102: Elementary Indonesian II & SHS 102: American Sign Language II \\
\hline JPN 206: Japanese Calligraphy & SHS 201: American Sign Language III \\
\hline JPN 414: Introduction to Classical Japanese & SHS 202: American Sign Language IV \\
\hline KOR 101: First-Year Korean I & SPA 101: Elementary Spanish I \\
\hline KOR 102: First-Year Korean II & SPA 102: Elementary Spanish \\
\hline & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American Narrative \\
\hline
\end{tabular}

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala

THA 101: Elementary Thai I

THA 102: Elementary Thai II

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Business (Sustainability), BA
School/College: W. P. Carey School of Business
Location: Polytechnic campus, Tempe campus, West campus
BABUSSBA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline NPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}
1. Minimum 2.00 GPA ASU Cumulative.
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 4. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline 4 - Complete MAT 210 with a grade of "C" or better. & & & \\
\hline 1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) \& G) or PUP 190: Sustainable Cities ((HU or SB) \& G) & 3 & C & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline \(\cdots\) & Hours & Grade & Notes \\
\hline § SCM 385: Business and Sustainability I & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Gather professional references \\
- Update your resume \\
- Meet with your academic advisor to discuss your internship course options
\end{tabular}} \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline MGT 300: Organization and Management Leadership & 3 & C & \\
\hline Upper Division Elective OR SOS 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Maintain 2.50 GPA in Major Courses. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SCM 485: Business and Sustainability II & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Apply for full-time career opportunities \\
- Meet with your academic advisor to discuss your internship course options
\end{tabular}} \\
\hline Upper Division International Business Course & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Upper Division Elective OR SOS 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Elective & 3 & & \\
\hline Upper Division Elective & 1 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.50 GPA in Major Courses.} & \\
\hline Term hours subtotal: & 13.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

\section*{Hide Course List(s)/Track Group(s)}

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Upper Division International Business Courseselect one course ( 3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.50 minimum
Cumulative GPA: 2.00 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Business (Sustainability), BA
School/College: W.........arey School of Business
Location: Online
BABUSSBA

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\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
§. WPC 101: Student Success in Business
!. CIS 105: Computer Applications and Information Technology (CS)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Term hours subtotal:

1
3 C
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that fulfills this requirement
- Join a student club or organization
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-16 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 9 MAT 210: Brief Calculus (MA) & 3 & C & \multirow[t]{5}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline  & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. MAT 211: Mathematics for Business Analysis & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-B 25-31.25 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline WPC Career Preparation Course & \multicolumn{2}{|l|}{0.25} & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline 1. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 6.25 & & \\
\hline & & Minimum & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 31.25-37.50 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Grade & Notes \\
\hline (4. ACC 231: Uses of Accounting Information I & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6.25} & \\
\hline Term 3-B 37.50-46.50 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) ACC 241: Uses of Accounting Information II & 3 & C & \\
\hline (1. SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) \& G) or PUP 190: Sustainable Cities ((HU or SB) \& G) & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4. Complete ECN 211 AND ECN 212.} & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{:} & \\
\hline Term 4 - A 46.50-52.50 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) ECN 221: Business Statistics (CS) & 3 & C & \multirow{3}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU career fairs \\
- Apply for internships or create one
\end{tabular}} \\
\hline SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) \& G) or PUP 190: Sustainable Cities ((HU or SB) \& G) & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{: 6} & \\
\hline Term 4 - B 52.50-59.50 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-A 59.50-68.50 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MKT 300: Marketing and Business Performance & 3 & C & \multirow[t]{4}{*}{Meet with your W. P. Carey Career Coach} \\
\hline \& SCM 300: Global Supply Operations & 3 & C & \\
\hline ENG 301: Writing for the Professions (L) OR ENG 302: Business Writing (L) & 3 & & \\
\hline Term hours subtotal: & : 9 & & \\
\hline Term 5-B 68.50-75.75 Credit Hours & Hours M & Minimum Grade & Notes \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \multirow{4}{*}{- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 7.25 & & \\
\hline Term 6-A 75.75-84.75 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SOS 325: The Economics of Sustainability & 3 & C & \\
\hline
\end{tabular}

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline WPC Career Preparation Courses (1 credit hr total) & WPC Career Preparation Courses - Transfer Student Track (1 credit hr total) & Upper Division International Business Courseselect one course ( 3 credit hours) \\
\hline WPC 148: Freshman Career Preparation & WPC 347: Intermediate Career Preparation & \multirow[t]{2}{*}{AGB 302: International Management and Agribusiness (G)} \\
\hline WPC 248: Sophomore Career Preparation & WPC 348: Junior Career Preparation & \\
\hline WPC 348: Junior Career Preparation & \multirow[t]{4}{*}{WPC 448: Intensive Career Preparation or WPC 449: Campus to Career} & ECN 306: Survey of International Economics (SB \& G) \\
\hline WPC 448: Intensive Career Preparation or WPC 449: Campus to Career & & MGT 302: Principles of International Business (G) \\
\hline & & MKT 425: Global Marketing Management (G) \\
\hline & & SCM 463: Global Supply Chain Management
(G) \\
\hline
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Business (Technology), BA
School/College: W. P. Carey School of Business
Location: Polytechnic campus
BABUSTCBA

```
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness
(H) & 3 & \\
\hline
\end{tabular}
(1) Minimum 2.00 GPA ASU Cumulative.

16
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement.
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & \multicolumn{2}{|l|}{3} & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 9. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline Complete MAT 210 with a grade of "C" or better. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline FIN 300: Fundamentals of Finance & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Gather professional references \\
- Update your resume
\end{tabular}} \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Upper Division General Studies Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline In Upper Division Technology Focus Area Course & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Apply for full-time career opportunities \\
- Meet with your academic advisor to discuss your internship course options
\end{tabular}} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Upper Division Elective OR TEM 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Upper Division Elective & 1 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 13.25 & & \\
\hline
\end{tabular}
- Choose one Focus Area (12 credit hours)

Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.


Technology Focus Area (Digital Media) choose one focus area (12 credit hours)

GIT 215: Introduction to Web Authoring GIT 230: Digital Illustration in Publishing

GIT 303: Digital Publishing
GIT 334: Image Editing and Manipulation

\section*{General Studies Electives}

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 320: Fundamentals of Ecology
CHI 205: Chinese Calligraphy
COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication
COM 341: Social Contexts for Performance
COM 414: Crisis Communication
COM 430: Leadership in Group
Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing
ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues
FAS 301: Introduction to Parenting
FRE 111: Fundamentals of French
FRE 472: Franco-Canadian Civilization
GCU 433: Geography of Southeast Asia
GER 111: Fundamentals of German
GRK 101: Elementary Ancient Greek
GRK 201: Intermediate Ancient Greek
HST 389: Japan Society and Values/Premod
IDN 101: Elementary Indonesian I
IDN 102: Elementary Indonesian II JPN 206: Japanese Calligraphy JPN 414: Introduction to Classical Japanese KOR 101: First-Year Korean I KOR 102: First-Year Korean II

\footnotetext{
General Studies Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAT 242: Elementary Linear Algebra
MAT 243: Discrete Mathematical Structures
MAT 310: Introduction to Geometry
}


SPA 454: 19th-Century Spanish American
Narrative
SPA 456: 20th-Century Spanish American Fiction

SPA 486: Chicano/a Novel: Ãltima, Rafa y
Lala

THA 101: Elementary Thai I

THA 102: Elementary Thai II

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: W. P. Carey School of Business
Location: Tempe campus
BABUSTBA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

(1) Minimum 2.00 GPA ASU Cumulative.

\section*{Term hours subtotal:}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{4}\). & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 4. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline Complete MAT 210 with a grade of "C" or better. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Upper Division International Business Course & 3 & C & \multirow[t]{4}{*}{- Update your resume} \\
\hline WPC 484: Internship OR Upper Division Elective & 3 & & \\
\hline General Studies Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Tourism Concentration Elective
\end{tabular} & 6 & C & \multirow[t]{4}{*}{- Apply for full-time career opportunities} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Complete 2 courses: Upper Division Elective & 4 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} & \multirow[b]{2}{*}{Tourism Concentration Electives - select five courses (15 credit hours)} \\
\hline WPC Career Preparation Courses (1 credit hr total) & WPC Career Preparation Courses - Transfer Student Track (1 credit hr total) & \\
\hline WPC 148: Freshman Career Preparation & WPC 347: Intermediate Career Preparation & PRM 486: Special Events Management \\
\hline WPC 248: Sophomore Career Preparation & WPC 348: Junior Career Preparation & TDM 225: Introduction to Resort and Hotel Management \\
\hline \multirow[t]{2}{*}{WPC 348: Junior Career Preparation} & \multirow[t]{2}{*}{WPC 448: Intensive Career Preparation or WPC 449: Campus to Career} & \multirow[t]{2}{*}{TDM 345: Meeting and Convention Planning} \\
\hline & & \\
\hline \multirow[t]{2}{*}{WPC 448: Intensive Career Preparation or WPC 449: Campus to Career} & & TDM 350: Tourism, Recreation and Sports \\
\hline & & Marketing \\
\hline & & TDM 386: Convention Sales and Management \\
\hline & & TDM 415: Tourism Transportation Systems \\
\hline & & TDM 448: Heritage and Cultural Tourism \\
\hline & & TDM 458: International Tourism (G) \\
\hline & & TDM 475: Entrepreneurial Recreation and Tourism \\
\hline & & TDM 480: Sustainable Tourism \\
\hline & & TDM 483: Sports Tourism \\
\hline & & TDM 484: Internship \\
\hline Upper Division International Business Course- & General Studies Electives & General Studies Electives Continued \\
\hline & ARB 101: Elementary Arabic I & LAT 101: Elementary Latin \\
\hline AGB 302: International Management and Agribusiness (G) & ARB 102: Elementary Arabic II & LAT 102: Elementary Latin \\
\hline & BIO 320: Fundamentals of Ecology & MAT 242: Elementary Linear Algebra \\
\hline & Academic Catalog Archive 2018-2019 & 2180 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow[t]{2}{*}{ECN 306: Survey of International Economics (SB \& G)} & CHI 205: Chinese Calligraphy & MAT 243: Discrete Mathematical Structures \\
\hline & \multirow[t]{2}{*}{COM 207: Introduction to Communication Inquiry} & MAT 310: Introduction to Geometry \\
\hline \multirow[t]{2}{*}{MGT 302: Principles of International Business (G)} & & \\
\hline & \multirow[t]{2}{*}{COM 259: Communication in Business and the Professions} & \\
\hline MKT 425: Global Marketing Management (G) & & MAT 362: Advanced Mathematics for Engineers and Scientists \\
\hline \multirow[t]{2}{*}{SCM 463: Global Supply Chain Management (G)} & COM 281: Communication Activities & MAT 370: Intermediate Calculus \\
\hline & COM 310: Relational Communication & \multirow[b]{2}{*}{MAT 371: Advanced Calculus I} \\
\hline & \multirow[t]{2}{*}{COM 312: Communication, Conflict, and Negotiation} & \\
\hline & & MAT 372: Advanced Calculus II \\
\hline & COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline & COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline & COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline & \multirow[t]{2}{*}{COM 430: Leadership in Group Communication} & MAT 442: Advanced Linear Algebra \\
\hline & & MAT 443: Introduction to Abstract Algebra \\
\hline & COM 453: Communication Training and Development & MAT 444: Intermediate Abstract Algebra \\
\hline & \multirow[t]{2}{*}{COM 465: Intercultural Communication Workshop} & MAT 445: Theory of Numbers \\
\hline & & MAT 460: Vector Calculus \\
\hline & ENG 210: Introduction to Creative Writing & MAT 461: Applied Complex Analysis \\
\hline & ENG 213: Introduction to the Study of Language & MAT 462: Applied Partial Differential Equations \\
\hline & ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline & ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline & ENG 345: Selected Authors or Issues & MAT 485: History of Mathematics \\
\hline & FAS 301: Introduction to Parenting & POR 101: Elementary Portuguese \\
\hline & FRE 111: Fundamentals of French & ROM 101: Elementary Romanian \\
\hline & FRE 472: Franco-Canadian Civilization & ROM 201: Intermediate Romanian \\
\hline & GCU 433: Geography of Southeast Asia & \multirow[t]{2}{*}{ROM 313: Romanian Composition and Conversation} \\
\hline & GER 111: Fundamentals of German & \\
\hline & GRK 101: Elementary Ancient Greek & ROM 314: Romanian Composition and Conversation \\
\hline & GRK 201: Intermediate Ancient Greek & RUS 101: Elementary Russian I \\
\hline & HST 389: Japan Society and Values/Premod & RUS 102: Elementary Russian II \\
\hline & IDN 101: Elementary Indonesian I & SHS 101: American Sign Language I \\
\hline & IDN 102: Elementary Indonesian II & SHS 102: American Sign Language II \\
\hline & JPN 206: Japanese Calligraphy & SHS 201: American Sign Language III \\
\hline & JPN 414: Introduction to Classical Japanese & SHS 202: American Sign Language IV \\
\hline & KOR 101: First-Year Korean I & SPA 101: Elementary Spanish I \\
\hline & KOR 102: First-Year Korean II & SPA 102: Elementary Spanish \\
\hline
\end{tabular}

SPA 111: Fundamentals of Spanish
SPA 434: Drama of the Golden Age
SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala

THA 101: Elementary Thai I
THA 102: Elementary Thai II

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Business (Tourism), BA

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Location: Online
BABUSTBA

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\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
4. WPC 101: Student Success in Business
1. CIS 105: Computer Applications and Information Technology (CS)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition

1
3 C
- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in Mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-16 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 9. MAT 210: Brief Calculus (MA) & 3 & C & \multirow[t]{5}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2 - A 16-25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 MAT 211: Mathematics for Business Analysis & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 9} & \\
\hline Term 2-B 25-31.25 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1 ECN 221: Business Statistics (CS) & 3 & C & \\
\hline WPC Career Preparation Course & \multicolumn{2}{|l|}{0.25} & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & \multicolumn{2}{|l|}{\[
3
\]} & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline
\end{tabular}


- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses ( 1 credit hr total)

WPC 148: Freshman Career Preparation

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation

Tourism Concentration Electives- select five courses (15 credit hours)


TDM 225: Introduction to Resort and Hotel Management

TDM 350: Tourism, Recreation and Sports Marketing

TDM 386: Convention Sales and Management

TDM 458: International Tourism (G)

TDM 475: Entrepreneurial Recreation and Tourism

TDM 480: Sustainable Tourism

TDM 483: Sports Tourism

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

\section*{Hrs Resident Credit for}

Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Business Data Analytics, BS}

School/College: W. P. Carey School of Business
Location: Tempe campus
BABDABS

Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & \multicolumn{2}{|l|}{1} \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}
- Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 4 . Complete CIS 105 with a grade of "C" or better. & & & \\
\hline Complete MAT 210 with a grade of "C" or better. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{2}{*}{- Failure to successfully complete business skills courses in specified term may lead to a} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline General Studies Elective & 3 & \\
\hline \multicolumn{3}{|l|}{4 Complete MAT 211 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Complete ECN 211 OR ECN 212 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{1.} \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16.25 & \\
\hline Term 47.50-61.50 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 1. CIS 235: Introduction to Information Systems & 3 & C \\
\hline ACC 241: Uses of Accounting Information II & 3 & C \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & \\
\hline Elective & 1 & \\
\hline \multicolumn{3}{|l|}{1. Complete ACC 231 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{1. Complete ECN 221 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 14 & \\
\hline Term 561.50-76.75 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] \\
\hline \% CIS 315: Introduction to Business Data Analytics & 3 & C \\
\hline Upper Division Business Data Analytics Elective (CIS 310 recommended) & 3 & C \\
\hline SCM 300: Global Supply Operations & 3 & C \\
\hline MKT 300: Marketing and Business Performance & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline ENG 302: Business Writing (L) & 3 & \\
\hline \multicolumn{3}{|l|}{Complete ACC 241 with a grade of " C " or better.} \\
\hline
\end{tabular}

Term hours subtotal: \(\quad 15.25\)
Term 6 76.75 - 91.75 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
delay in graduation. See your academic advisor for more information and options.
- Explore career resources.
- Meet with your W. P. Carey Career Coach
Term 7 91.75 - \(\mathbf{1 0 6 . 7 5}\) Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{l} 
WPC Career Preparation Courses (1 credit hr \\
total)
\end{tabular} \\
\hline WPC 148: Freshman Career Preparation \\
WPC Career Preparation Courses - Transfer \\
Student Track (1 credit hr total)
\end{tabular} \begin{tabular}{l} 
Upper Division Business Data Analytics \\
Electives
\end{tabular}

Upper Division International Business Courseselect one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)
\begin{tabular}{|c|c|}
\hline General Studies Electives & General Studies Electives Continued \\
\hline ARB 101: Elementary Arabic I & LAT 101: Elementary Latin \\
\hline ARB 102: Elementary Arabic II & LAT 102: Elementary Latin \\
\hline BIO 320: Fundamentals of Ecology & MAT 242: Elementary Linear Algebra \\
\hline CHI 205: Chinese Calligraphy & MAT 243: Discrete Mathematical Structures \\
\hline COM 207: Introduction to Communication & MAT 310: Introduction to Geometry \\
\hline Inquiry & MAT 342: Linear Algebra \\
\hline COM 259: Communication in Business and the Professions & MAT 362: Advanced Mathematics for Engineers and Scientists \\
\hline COM 281: Communication Activities & MAT 370: Intermediate Calculus \\
\hline COM 310: Relational Communication & Advanced Calculus I \\
\hline COM 312: Communication, Conflict, and Negotiation & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline COM 430: Leadership in Group & MAT 442: Advanced Linear Algebra \\
\hline Communication & MAT 443: Introduction to Abstract Algebra \\
\hline COM 453: Communication Training and Development & MAT 444: Intermediate Abstract Algebra \\
\hline COM 465: Intercultural Communication & MAT 445: Theory of Numbers \\
\hline Workshop & MAT 460: Vector Calculus \\
\hline ENG 210: Introduction to Creative Writing & MAT 461: Applied Complex Analysis \\
\hline ENG 213: Introduction to the Study of Language & MAT 462: Applied Partial Differential Equations \\
\hline ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline ENG 345: Selected Authors or Issues & MAT 485: History of Mathematics \\
\hline FAS 301: Introduction to Parenting & POR 101: Elementary Portuguese \\
\hline FRE 111: Fundamentals of French & ROM 101: Elementary Romanian \\
\hline FRE 472: Franco-Canadian Civilization & ROM 201: Intermediate Romanian \\
\hline GCU 433: Geography of Southeast Asia & ROM 313: Romanian Composition and \\
\hline GER 111: Fundamentals of German & Conversation \\
\hline GRK 101: Elementary Ancient Greek & ROM 314: Romanian Composition and Conversation \\
\hline GRK 201: Intermediate Ancient Greek & RUS 101: Elementary Russian I \\
\hline HST 389: Japan Society and Values/Premod & RUS 102: Elementary Russian II \\
\hline
\end{tabular}
\begin{tabular}{l|l}
\hline IDN 101: Elementary Indonesian I & SHS 101: American Sign Language I \\
\hline IDN 102: Elementary Indonesian II & SHS 102: American Sign Language II \\
\hline JPN 206: Japanese Calligraphy & SHS 201: American Sign Language III \\
\hline JPN 414: Introduction to Classical Japanese & SHS 202: American Sign Language IV \\
\hline KOR 101: First-Year Korean I & SPA 101: Elementary Spanish I \\
KOR 102: First-Year Korean II & SPA 102: Elementary Spanish \\
\hline & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Business Data Analytics, BS
School/College: W.....................................
Location: Online
BABDABS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Term hours subtotal:
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-16 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 1. MAT 210: Brief Calculus (MA) & 3 & C & \multirow{5}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-A 16-25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. MAT 211: Mathematics for Business Analysis & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2 -B 25-31.25 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{WPC Career Preparation Course 0.25} & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & \multicolumn{2}{|l|}{3} & \\
\hline SOC course (SB) OR PSY course (SB) & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: \(\quad 6.25\)} & \\
\hline Term 3-A 31.25-37.50 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses
- ASU Math Placement Assessment score determines placement in Mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|r|}{3 C} & \multirow[t]{4}{*}{\begin{tabular}{l}
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline WPC Career Preparation Course & \multicolumn{2}{|l|}{0.25} & \\
\hline General Studies Elective & 3 & & \\
\hline Term hours subtotal: & 6.25 & & \\
\hline Term 3-B 37.50-46.50 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline 1. ACC 241: Uses of Accounting Information II & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline General Studies Elective & 3 & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline \multicolumn{3}{|l|}{(1) Complete ECN 211 AND ECN 212.} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 4-A 46.50-53.50 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU career fairs \\
- Apply for internships or create one
\end{tabular}} \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-B 53.50-59.50 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline General Studies Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-A 59.50-68.50 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 3 CIS 235: Introduction to Information Systems & 3 & C & \multirow[t]{4}{*}{- Meet with your W. P. Carey Career Coach} \\
\hline MKT 300: Marketing and Business Performance & 3 & C & \\
\hline SCM 300: Global Supply Operations & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 5-B 68.50-74.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CIS 315: Introduction to Business Data Analytics & 3 & C & \multirow[t]{4}{*}{- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.} \\
\hline CIS 325: Fundamental Techniques for Business Data Analytics & 3 & & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Term hours subtotal: & 6.25 & & \\
\hline Term 6-A 74.75-80.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 3 CIS 355: Business Data Warehouses and Dimensional Modeling & 3 & C & \multirow[t]{3}{*}{- Complete informational interviews} \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{: 6} & \\
\hline Term 6-B 80.75-89.75 Credit Hours Necessary course signified by & & Minimum & \\
\hline Academic Catalog A & Archive 2018 & 8-2019 & 2194 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \% & Hours & Grade & Notes \\
\hline \(\hat{\sim}\) CIS 375: Business Data Mining & 3 & C & \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline Upper Division International Business Elective AND Global Awareness (G) & 3 & C & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-A 89.75-95.75 Credit Hours Necessary course signified by & Hours M & Minimum Grade & Notes \\
\hline CIS 415: Big Data Analytics in Business & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- All Upper Division Business Core Classes (Including International Business Course) must be completed before enrolling in WPC 480 \\
- Attend W. P. Carey and ASU Career Fairs
\end{tabular}} \\
\hline ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L) & 3 &  & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 95.75-104.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 3 CIS 450: Enterprise Analytics & 3 & C & \\
\hline MGT 300: Organization and Management Leadership & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{9} & \\
\hline Term 8-A 104.75-113.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ............................................................................. & 3 & C & \multirow[t]{4}{*}{- Apply for full-time career opportunities} \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 8-B 113.75-120.00 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W WPC 480: W. P. Carey Capstone Course (L) & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Term hours subtotal: & 6.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC Career Preparation Courses - Transfer Student Track ( 1 credit hr total)
Academic Catalog Archive 2018-2019

Upper Division Business Data Analytics Electives- select two courses ( 6 credit hours)
\begin{tabular}{|c|c|}
\hline WPC 148: Freshman Career Preparation & WPC 347: Intermediate Career Preparation \\
\hline WPC 248: Sophomore Career Preparation & WPC 348: Junior Career Preparation \\
\hline WPC 348: Junior Career Preparation & \multirow[t]{2}{*}{WPC 448: Intensive Career Preparation or WPC 449: Campus to Career} \\
\hline WPC 448: Intensive Career Preparation or WPC 449: Campus to Career & \\
\hline \multirow[t]{2}{*}{Upper Division International Business Courseselect one course (3 credit hours)} & General Studies Electives \\
\hline & BIO 320: Fundamentals of Ecology \\
\hline AGB 302: International Management and Agribusiness (G) & COM 207: Introduction to Communication Inquiry \\
\hline ECN 306: Survey of International Economics (SB \& G) & COM 259: Communication in Business and the Professions \\
\hline MGT 302: Principles of International Business (G) & COM 281: Communication Activities \\
\hline MKT 425: Global Marketing Management (G) & COM 312: Communication, Conflict, and Negotiation \\
\hline \multirow[t]{13}{*}{SCM 463: Global Supply Chain Management (G)} & COM 414: Crisis Communication \\
\hline & COM 430: Leadership in Group Communication \\
\hline & COM 453: Communication Training and Development \\
\hline & ENG 210: Introduction to Creative Writing \\
\hline & ENG 310: Intermediate Creative Writing \\
\hline & ENG 345: Selected Authors or Issues \\
\hline & FAS 301: Introduction to Parenting \\
\hline & MAT 242: Elementary Linear Algebra \\
\hline & MAT 243: Discrete Mathematical Structures \\
\hline & POR 101: Elementary Portuguese \\
\hline & ROM 101: Elementary Romanian \\
\hline & SPA 101: Elementary Spanish I \\
\hline & SPA 102: Elementary Spanish \\
\hline
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Business Entrepreneurship, BS
School/College: W. P. Carey School of Business
Location: Tempe campus
BABUENTBS

Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & \multicolumn{2}{|l|}{1} \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline
\end{tabular}

PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)

3

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3
- Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) & 3 & & \\
\hline 4. Complete CIS 105 with a grade of " C " or better. & & & \\
\hline 9. Complete MAT 210 with a grade of "C" or better. & & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline \multicolumn{3}{|l|}{(1. Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ECN 221: Business Statistics (CS) & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline General Studies Elective & 3 & \\
\hline 4. Complete MAT 211 with a grade of "C" or better. & & \\
\hline 4. Complete ECN 211 or ECN 212 with a grade of "C" or better. & & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline (1) Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 16.25 & \\
\hline Term 47.50-61.50 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline 4. ENT 305: Principles of Entrepreneurship & 3 & C \\
\hline ACC 241: Uses of Accounting Information II & 3 & C \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Upper Division Elective & 1 & \\
\hline 4. Complete ACC 231 with a grade of "C" or better. & & \\
\hline 4. Complete ECN 221 with a grade of "C" or better. & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 14 & \\
\hline Term 561.50-76.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ENT 360: Entrepreneurship and Value Creation & 3 & C \\
\hline \% MGT 300: Organization and Management Leadership & 3 & C \\
\hline ENG 302: Business Writing (L) & 3 & C \\
\hline MKT 300: Marketing and Business Performance & 3 & C \\
\hline SCM 300: Global Supply Operations & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Complete ACC 241 with a grade of "C" or better. & & \\
\hline Term hours subtotal: & 15.25 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 6 76.75-91.75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline Upper Division ENT Track Course & 3 & C \\
\hline FIN 300: Fundamentals of Finance & 3 & C \\
\hline MGT 302: Principles of International Business (G) OR Upper Division International Business Course AND Global Awareness (G) & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & \\
\hline General Studies Elective & 3 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Explore career resources
- Meet with your W. P. Carey Career Coach
\begin{tabular}{|c|c|c|c|}
\hline Term 7 91.75-106.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MGT 320: Organizational Behavior & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- Students choose one track option from the following: ENT Startup, ENT Finance, ENT Management, or ENT Studies. View track group below for course options. \\
- All Upper Division Business Core Classes (Including International Business Course) must be completed before enrolling in WPC 480 \\
- Attend W. P. Carey and ASU Career Fairs \\
- Gather professional references \\
- Update your resume \\
- Meet with your academic advisor to discuss your internship course options
\end{tabular}} \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Elective OR ENT 484: Internship OR WPC 484: Internship & 3 & & \\
\hline General Studies Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline WPC 480: W. P. Carey Capstone Course (L) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Apply for full-time career opportunities \\
- Meet with your academic advisor to discuss your internship course options
\end{tabular}} \\
\hline Upper Division ENT Track Course & 3 & C & \\
\hline Upper Division Entrepreneurship Elective & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Elective OR ENT 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Upper Division Elective & 1 & & \\
\hline Term hours subtota: & 13.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation WPC 248: Sophomore Career Preparation WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

ENT Finance Track - select two courses (6 credit hrs)

ENT 446: Venture Capital Experience
FIN 394: Fundamentals of Entrepreneurial Finance

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

ENT Management Track - select two courses ( 6 credit hrs)

ENT 441: Entrepreneurial Management
ENT 448: Corporate Entrepreneurship

MKT 435: Entrepreneurial Marketing

ENT Start Up Track - complete two courses (6 credit hrs)

ENT 446: Venture Capital Experience
ENT 447: Lean Launch

ENT Studies Track - select two courses (6 credit hrs)

ENT 340: Creativity and Innovation (L or HU)
ENT 441: Entrepreneurial Management ENT 446: Venture Capital Experience
\begin{tabular}{|c|c|c|}
\hline & MKT 440: Creating Digital Experiences & ENT 447: Lean Launch \\
\hline & & ENT 448: Corporate Entrepreneurship \\
\hline & & ENT 464: Collaborative Design Development I (L) \\
\hline & & ENT 465: Collaborative Design Development II (L) \\
\hline & & FIN 394: Fundamentals of Entrepreneurial Finance \\
\hline & & MGT 310: Collaborative Team Skills \\
\hline & & MGT 411: Leading Organizations \\
\hline & & MGT 420: Human Resource Management \\
\hline & & MGT 430: Negotiations \\
\hline & & MGT 450: Consulting Projects (L) \\
\hline & & MGT 484: Internship \\
\hline & & MGT 493: Honors Thesis (L) \\
\hline & & MKT 435: Entrepreneurial Marketing \\
\hline & & MKT 440: Creating Digital Experiences \\
\hline Upper Division Entrepreneurship Elective select one course (3 credit hours) & Upper Division International Business Courseselect one course (3 credit hours) & General Studies Electives \\
\hline ENT 340: Creativity and Innovation (L or HU) & AGB 302: International Management and & \\
\hline 441. E & Agribusiness (G) & ARB 102: Elementary Arabic \\
\hline ENT 446: Venture Capital Experience & ECN 306: Survey of International Economics & BIO 320: Fundamentals of Ecology \\
\hline ENT 446: Venture Capital Experience & \[
(\mathrm{SB} \& \mathrm{G})
\] & CHI 205: Chinese Calligraphy \\
\hline ENT 447: Lean Launch & MGT 302: Principles of International Business & COM 207: Introduction to Communication \\
\hline ENT 448: Corporate Entrepreneurship & (G) & Inquiry \\
\hline ENT 464: Collaborative Design Development I (L) & MKT 425: Global Marketing Management (G) & COM 259: Communication in Business and the Professions \\
\hline ENT 465: Collaborative Design Development & & COM 281: Communication Activities \\
\hline & & COM 310: Relational Communication \\
\hline FIN 394: Fundamentals of Entrepreneurial Finance & & COM 312: Communication, Conflict, and Negotiation \\
\hline MGT 310: Collaborative Team Skills & & COM 317: Nonverbal Communication \\
\hline MGT 411: Leading Organizations & & COM 341. Social Contexts for Performance \\
\hline MGT 420: Human Resource Management & & COM 341: Social Contexts for Performance \\
\hline \(\qquad\) & & COM 414: Crisis Communication \\
\hline MGT 430: Negotiations & & \\
\hline MGT 450: Consulting Projects (L) & & Communication \\
\hline MGT 484: Internship & & COM 453: Communication Training and \\
\hline MGT 493: Honors Thesis (L) & & Development \\
\hline MKT 435: Entrepreneurial Marketing & & COM 465: Intercultural Communication Workshop \\
\hline & Academic Catalog Archive 2018-2019 & 2201 \\
\hline
\end{tabular}

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing
ENG 314: Modern Grammar
ENG 345: Selected Authors or Issues
FAS 301: Introduction to Parenting
FRE 111: Fundamentals of French
FRE 472: Franco-Canadian Civilization
GCU 433: Geography of Southeast Asia
GER 111: Fundamentals of German GRK 101: Elementary Ancient Greek GRK 201: Intermediate Ancient Greek HST 389: Japan Society and Values/Premod IDN 101: Elementary Indonesian I IDN 102: Elementary Indonesian II JPN 206: Japanese Calligraphy JPN 414: Introduction to Classical Japanese KOR 101: First-Year Korean I KOR 102: First-Year Korean II
General Studies Electives Continued
LAT 101: Elementary Latin
LAT 102: Elementary Latin
MAT 242: Elementary Linear Algebra
MAT 243: Discrete Mathematical Structures
MAT 310: Introduction to Geometry
MAT 342: Linear Algebra
MAT 362: Advanced Mathematics for
Engineers and Scientists
MAT 370: Intermediate Calculus
MAT 371: Advanced Calculus I
MAT 372: Advanced Calculus II
MAT 410: Introduction to General Topology
MAT 415: Introduction to Combinatorics
MAT
MAT 416: Introduction to Graph Theory
MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract Algebra
MAT 444: Intermediate Abstract Algebra
MAT 445: Theory of Numbers
MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis
MAT 462: Applied Partial Differential Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations
MAT 485: History of Mathematics
POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian I
RUS 102: Elementary Russian II
SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish I
SPA 102: Elementary Spanish
SPA 111: Fundamentals of Spanish
SPA 434: Drama of the Golden Age
SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Chicano/a Novel: Ãltima, Rafa y
Lala

THA 101: Elementary Thai I

THA 102: Elementary Thai II
\begin{tabular}{ll} 
Cumulative GPA: 2.00 minimum & \(\bullet\) Literacy and Critical Inquiry (L) \\
Total hrs at ASU: 30 minimum & \(\bullet\) Mathematical Studies (MA) \\
Hrs Resident Credit for & \(\bullet\) Computer/Statistics/Quantitative Applications (CS) \\
Academic Recognition: 56 minimum & \(\bullet\) Humanities, Arts and Design (HU) \\
Total Community College Hrs: 64 maximum & \(\bullet\) Social-Behavioral Sciences (SB) \\
& \(\bullet\) Natural Science - Quantitative (SQ) \\
& \(\bullet\) Natural Science - General (SG)
\end{tabular}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Business Exploratory}

School/College: W. P. Carey School of Business
Location: Tempe campus
BABUSEXP
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets
- Complete the Me3 career interest tool
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & \multicolumn{2}{|l|}{3} & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline (1. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline Complete MAT 210 with a grade of "C" or better. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Explore career resources.
\end{tabular}} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline WPC Career Preparation Course & \multicolumn{2}{|l|}{0.25} & \\
\hline
\end{tabular}


Complete MAT 211 with a grade of " C " or better.
Complete ECN 211 or ECN 212 with a grade of "C" or better.
Milestone: Selection of a major
Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 16.25
- Must declare major by the end of Term 3.

Changes of major into this program are not allowed.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{l} 
WPC Career Preparation Courses (1 credit hr \\
total)
\end{tabular} \\
\begin{tabular}{ll} 
WPC Career Preparation Courses - Transfer \\
Student Track (1 credit hr total)
\end{tabular} \\
\hline WPC 148: Freshman Career Preparation
\end{tabular} WPC 347: Intermediate Career Preparation WPC 449: Campus to Career

Total Hours: 47.50
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Computer Information Systems, BS}

School/College: W. P. Carey School of Business
Location: Tempe campus
BACISBS

Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}
- Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 4. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline Complete MAT 210 with a grade of "C" or better. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{2}{*}{- Failure to successfully complete business skills courses in specified term may lead to a} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline General Studies Elective & 3 & \\
\hline \multicolumn{3}{|l|}{(4) Complete MAT 211 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(1) Complete ECN 211 OR ECN 212 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16.25 & \\
\hline Term 4 47.50-61.50 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (1) CIS 235: Introduction to Information Systems & 3 & C \\
\hline ACC 241: Uses of Accounting Information II & 3 & C \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & \\
\hline Elective & 1 & \\
\hline \multicolumn{3}{|l|}{(4) Complete ACC 231 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(4) Complete ECN 221 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 14 & \\
\hline Term 5 61.50-76.75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline CIS 340: Business Information System Development I & 3 & C \\
\hline CIS 365: Business Database Systems Development & 3 & C \\
\hline SCM 300: Global Supply Operations & 3 & C \\
\hline MKT 300: Marketing and Business Performance & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline ENG 302: Business Writing (L) & 3 & \\
\hline \multicolumn{3}{|l|}{Complete ACC 241 with a grade of "C" or better.} \\
\hline Term hours subtotal: & 15.25 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 6 76.75-91.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline I CIS 345: Business Information System Development II & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Complete informational interviews \\
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach
\end{tabular}} \\
\hline CIS 425: Web Technologies for the Enterprise & 3 & C & \\
\hline Upper Division International Business Course AND Global Awareness (G) & 3 & C & \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline General Studies Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:
\[
15
\]} & \\
\hline Term 7 91.75-106.75 Credit Hours Necessary course signified by & & Minimum & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5 & Hours & Grade & Notes \\
\hline I CIS 401: Managing Cyber Risks in Enterprise Business Processes & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- All Upper Division Business Core Classes (Including International Business Course) must be completed before enrolling in WPC 480 \\
- Attend W. P. Carey and ASU Career Fairs \\
- Gather professional references \\
- Update your resume
\end{tabular}} \\
\hline 3 CIS 430: Mobile Platforms for Business & 3 & C & \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline MGT 300: Organization and Management Leadership & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CIS 440: Capstone in Information Systems (L) & 3 & C & \multirow[t]{6}{*}{- Apply for full-time career opportunities} \\
\hline 5 WPC 480: W. P. Carey Capstone Course (L) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline General Studies Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Elective 1} & \\
\hline Term hours subtot & 13.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)
WPC Career Preparation Courses ( 1 credit hr
total) total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career
\begin{tabular}{|c|c|}
\hline & s to Career \\
\hline
\end{tabular}
\begin{tabular}{l} 
General Studies Electives \\
\hline ARB 101: Elementary Arabic I \\
\hline ARB 102: Elementary Arabic II \\
\hline LAT 101: Elementary Latin \\
\hline BIO 320: Fundamentals of Ecology \\
CHT 102: Elementary Latin \\
\hline MAT 242: Elementary Linear Algebra \\
\hline COM 207: Introduction to Communication \\
Inquiry
\end{tabular}

Upper Division International Business Courseselect one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{COM 259: Communication in Business and the Professions} & MAT 342: Linear Algebra \\
\hline & \multirow[t]{2}{*}{MAT 362: Advanced Mathematics for Engineers and Scientists} \\
\hline COM 281: Communication Activities & \\
\hline COM 310: Relational Communication & MAT 370: Intermediate Calculus \\
\hline \multirow[t]{2}{*}{COM 312: Communication, Conflict, and Negotiation} & MAT 371: Advanced Calculus I \\
\hline & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline COM 430: Leadership in Group Communication & MAT 442: Advanced Linear Algebra \\
\hline \multirow[t]{2}{*}{COM 453: Communication Training and Development} & MAT 443: Introduction to Abstract Algebra \\
\hline & MAT 444: Intermediate Abstract Algebra \\
\hline \multirow[t]{2}{*}{COM 465: Intercultural Communication Workshop} & MAT 445: Theory of Numbers \\
\hline & MAT 460: Vector Calculus \\
\hline ENG 210: Introduction to Creative Writing & MAT 461: Applied Complex Analysis \\
\hline ENG 213: Introduction to the Study of Language & MAT 462: Applied Partial Differential Equations \\
\hline ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline ENG 345: Selected Authors or Issues & MAT 485: History of Mathematics \\
\hline FAS 301: Introduction to Parenting & POR 101: Elementary Portuguese \\
\hline FRE 111: Fundamentals of French & ROM 101: Elementary Romanian \\
\hline FRE 472: Franco-Canadian Civilization & ROM 201: Intermediate Romanian \\
\hline GCU 433: Geography of Southeast Asia & \multirow[t]{2}{*}{ROM 313: Romanian Composition and Conversation} \\
\hline GER 111: Fundamentals of German & \\
\hline GRK 101: Elementary Ancient Greek & \multirow[t]{2}{*}{ROM 314: Romanian Composition and Conversation} \\
\hline GRK 201: Intermediate Ancient Greek & \\
\hline HST 389: Japan Society and Values/Premod & RUS 101: Elementary Russian I \\
\hline IDN 101: Elementary Indonesian I & RUS 102: Elementary Russian II \\
\hline IDN 102: Elementary Indonesian II & SHS 101: American Sign Language I \\
\hline JPN 206: Japanese Calligraphy & SHS 102: American Sign Language II \\
\hline JPN 414: Introduction to Classical Japanese & SHS 201: American Sign Language III \\
\hline KOR 101: First-Year Korean I & SHS 202: American Sign Language IV \\
\hline \multirow[t]{4}{*}{KOR 102: First-Year Korean II} & SPA 101: Elementary Spanish I \\
\hline & SPA 102: Elementary Spanish \\
\hline & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline
\end{tabular}

SPA 454: 19th-Century Spanish American
Narrative
SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Chicano/a Novel: Ãltima, Rafa y
Lala

THA 101: Elementary Thai I
THA 102: Elementary Thai II

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Computer Information Systems, BS}

School/College: W. P. P. Carey School of Business
Location: Online
BACISBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline ¢ WPC 101: Student Success in Business & \multicolumn{2}{|l|}{1} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline
\end{tabular} Term hours subtotal:
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-16 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline 1. MAT 210: Brief Calculus (MA) & 3 & C & \multirow[t]{5}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-A 16-25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2 - B 25-31.25 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

COM 100: Introduction to Human Communication (SB) OR COM 225:
Public Speaking (L) OR COM 230: Small Group Communication (SB)
3
OR COM 259: Communication in Business and the Professions
WPC Career Preparation Course 0.25
SOC course (SB) OR PSY course (SB)
!. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
4............................................................................................ Minimum 2.00 GPA ASU Cumulative.
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 31.25-37.50 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

WPC Career Preparation Courses ( 1 credit hr total)

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

Upper Division International Business Courseselect one course (3 credit hours)


Total Hours: 120.00
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Economics, BS}

School/College: W. P. Carey School of Business
Location: Tempe campus
BAECNBS

Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) WPC 101: Student Success in Business & \multicolumn{2}{|l|}{1} & \multirow[b]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- ASU Mathematics Placement Assessment score determines placement in mathematics
\end{tabular}} \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) & 3-4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \begin{tabular}{l}
score determines placement in mathematics \\
course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman
\end{tabular} \\
\hline SOC OR PSY course (SB) & 3 & & students. WPC 101 is the W. P. Carey School \\
\hline Humanities, Arts and Design (HU) & 3 & & course that meets this requirement \\
\hline (7) Minimum 2.00 GPA ASU Cumulative. & & & - Join a student club or organization \({ }^{\text {- Organize and track your activities, events, }}\) \\
\hline Term hours subtotal: & 16-17 & & \begin{tabular}{l}
and experiences with WPC 360 \\
- Create your first college resume
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{\dagger}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis OR MAT 271: Calculus with Analytic Geometry II (MA) & 3-4 & C & \multirow[t]{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 4. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline Complete MAT 210 OR MAT 270 with a grade of " C " or better. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15.25-16.25} & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ECN 221: Business Statistics (CS) & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline \multicolumn{3}{|l|}{(1) Complete MAT 211 OR MAT 271 with grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Complete ECN 211 AND ECN 212 with grades of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(1. Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16.25 & \\
\hline Term 47.50-61.50 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade \\
\hline ACC 241: Uses of Accounting Information II & 3 & C \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & \\
\hline Elective & 3 & \\
\hline Upper Division Elective & 1 & \\
\hline \multicolumn{3}{|l|}{4. Complete ACC 231 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Complete ECN 221 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 14 & \\
\hline Term 5 61.50-76.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ECN 312: Intermediate Microeconomic Theory (SB) & 3 & C \\
\hline ENG 302: Business Writing (L) & 3 & \\
\hline FIN 300: Fundamentals of Finance & 3 & C \\
\hline MGT 300: Organization and Management Leadership & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline General Studies Elective & 3 & \\
\hline \multicolumn{3}{|l|}{Complete ACC 241 with a grade of "C" or better.} \\
\hline
\end{tabular}

Term hours subtotal: \(\quad 15.25\)

\section*{Hours \(\begin{gathered}\text { Minimum } \\ \text { Grade }\end{gathered}\)}

3 C
ECN 313: Intermediate Macroeconomic Theory (SB)
ECN 410: Applied Regression Analysis and Forecasting OR ECN
425: Introduction to Econometrics
MKT 300: Marketing and Business Performance 3
SCM 300: Global Supply Operations \(\quad 3 \quad\) C
WPC 300: Problem Solving and Actionable Analytics 3

Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).
\begin{tabular}{|c|c|c|c|}
\hline Term 7 91.75-106.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ECN 306: Survey of International Economics (SB \& G) OR ECN 360: \\
Economic Development (SB \& G) OR ECN 436: International Trade Theory (SB \& G) OR ECN 438: International Monetary Economics (SB \& G)
\end{tabular} & 3 & C & \begin{tabular}{l}
- 3 credits hours maximum of ECN 484 and ECN 499 \\
- All Upper Division Business Core Classes (Including International Business
\end{tabular} \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & Course) must be completed before \\
\hline ECN 4** Elective & 3 & C & enrolling in WPC 480 \\
\hline ECN Upper Division Elective & 3 & C & - Attend W. P. Carey and ASU Career \\
\hline General Studies Elective & 3 & & - Gather professional references \\
\hline Term hours subtotal: & 15 & & - Update your resume \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline WPC 480: W. P. Carey Capstone Course (L) & 3 & C & - 3 credits hours maximum of ECN 484 and \\
\hline ECN 475: Capstone in Economics (L) & 3 & C & ECN 499 \\
\hline ECN 4** Elective & 3 & C & \begin{tabular}{l}
- Apply for full-time career opportunities \\
- Meet with your academic advisor to
\end{tabular} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Elective OR ECN 484: Internship OR WPC 484: Internship & 3 & & \\
\hline Upper Division Elective & 1 & & \\
\hline Term hours subtotal: & 13.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses ( 1 credit hr total)

WPC 148: Freshman Career Preparation

WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation

WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

\section*{Economics Electives}

ECN 306: Survey of International Economics (SB \& G)

ECN 315: Money \& Banking

ECN 331: Economics of the European Economic Union (SB \& G)

ECN 335: South Asia and the World Economy (SB \& G)

ECN 342: Sports Economics
ECN 345: Survey of Environmental and Resource Economics

ECN 355: Economics of Healthcare
ECN 360: Economic Development (SB \& G)
ECN 365: Economics of Russia and Eastern Europe (SB \& G)

ECN 394: Special Topics or ECN 494: Special Topics

ECN 416: Game Theory and Economic Behavior

ECN 421: Labor Economics (SB)
ECN 423: Economics of Education
ECN 436: International Trade Theory (SB \& G)

ECN 438: International Monetary Economics (SB \& G)

ECN 441: Public Economics (SB)
ECN 445: Environmental Economics
ECN 453: Industrial Organization and Competition Policy

ECN 455: Health Economics

ECN 470: Mathematical Economics

ECN 484: Internship
ECN 493: Honors Thesis (L)
ECN 498: Pro-Seminar
ECN 499: Individualized Instruction
\begin{tabular}{|c|c|}
\hline General Studies Electives & General Studies Electives Continued \\
\hline ARB 101: Elementary Arabic I & LAT 101: Elementary Latin \\
\hline ARB 102: Elementary Arabic II & LAT 102: Elementary Latin \\
\hline BIO 320: Fundamentals of Ecology & MAT 242: Elementary Linear Algebra \\
\hline CHI 205: Chinese Calligraphy & MAT 243: Discrete Mathematical Structures \\
\hline \multirow[t]{2}{*}{COM 207: Introduction to Communication Inquiry} & MAT 310: Introduction to Geometry \\
\hline & MAT 342: Linear Algebra \\
\hline COM 259: Communication in Business and the Professions & MAT 362: Advanced Mathematics for Engineers and Scientists \\
\hline COM 281: Communication Activities & iate \\
\hline COM 310: Relational Communication & MAT 371: Advanced Calculus I \\
\hline COM 312: Communication, Conflict, and Negotiation & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline \multirow[t]{2}{*}{COM 430: Leadership in Group Communication} & MAT 442: Advanced Linear Algebra \\
\hline & MAT 443: Introduction to Abstract Algebra \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{COM 453: Communication Training and Development} & MAT 445: Theory of Numbers \\
\hline & MAT 460: Vector Calculus \\
\hline COM 465: Intercultural Communication Workshop & MAT 461: Applied Complex Analysis \\
\hline ENG 210: Introduction to Creative Writing & MAT 462: Applied Partial Differential Equations \\
\hline ENG 213: Introduction to the Study of Language & MAT 472: Intermediate Real Analysis I \\
\hline ENG 310: Intermediate Creative Writing & MAT 475: Differential Equations \\
\hline ENG 314: Modern Grammar & MAT 485: History of Mathematics \\
\hline ENG 345: Selected Authors or Issues & POR 101: Elementary Portuguese \\
\hline FAS 301: Introduction to Parenting & ROM 101: Elementary Romanian \\
\hline FRE 111: Fundamentals of French & ROM 201: Intermediate Romanian \\
\hline FRE 472: Franco-Canadian Civilization & ROM 313: Romanian Composition and Conversation \\
\hline GCU 433: Geography of Southeast Asia & ROM 314: Romanian Composition and \\
\hline GER 111: Fundamentals of German & Conversation \\
\hline GRK 101: Elementary Ancient Greek & RUS 101: Elementary Russian I \\
\hline GRK 201: Intermediate Ancient Greek & RUS 102: Elementary Russian II \\
\hline HST 389: Japan Society and Values/Premod & SHS 101: American Sign Language I \\
\hline IDN 101: Elementary Indonesian I & SHS 102: American Sign Language II \\
\hline IDN 102: Elementary Indonesian II & SHS 201: American Sign Language III \\
\hline JPN 206: Japanese Calligraphy & SHS 202: American Sign Language IV \\
\hline JPN 414: Introduction to Classical Japanese & SPA 101: Elementary Spanish I \\
\hline KOR 101: First-Year Korean I & SPA 102: Elementary Spanish \\
\hline \multirow[t]{7}{*}{KOR 102: First-Year Korean II} & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American Narrative \\
\hline & SPA 456: 20th-Century Spanish American Fiction \\
\hline & SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala \\
\hline & THA 101: Elementary Thai I \\
\hline & THA 102: Elementary Thai II \\
\hline
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ - Humanities, Arts and Design (HU) \\ - Social-Behavioral Sciences (SB) \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Economics, BS}

School/College: W. P. Carey School of Business
Location:
BAECNBS
and
Engineering
Management,
BSE
Ira A. Fulton Schools of Engineering ESEMGBSE

In order to complete this concurrent degree in four years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.
\begin{tabular}{|c|c|c|}
\hline Term 10-18 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade \\
\hline 4 CSE 110: Principles of Programming with Java (CS) & 3 & C \\
\hline 1. MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-IEE: The ASU Experience OR WPC 101: Student Success in Business & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline FSE 100: Introduction to Engineering & 2 & C \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C \\
\hline Basic Science Elective & 3-4 & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

\begin{tabular}{|l|l|l|l|}
\hline Summer 2 Session 1 34.25-40.25 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline ECN 312: Intermediate Microeconomic Theory (SB) & 3 & C & - Attend Career Fairs \\
\hline IEE 300: Economic Analysis for Engineers & 3 & C & \begin{tabular}{l}
- Apply for internships or create one \\
- Complete informational interviews
\end{tabular} \\
\hline IEE 376: Operations Research Deterministic Techniques/Applications & 3 & C & \\
\hline IEE 385: Engineering Statistics: Probability & 3 & C & \\
\hline IEE 431: Engineering Administration (L) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 6106.75-123.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\[
\text { Term hours subtotal: } \quad 17
\]
\begin{tabular}{|c|c|c|c|}
\hline Summer 6 Session 1123.75-129.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 3 SCM 300: Global Supply Operations & 3 & C & \multirow[t]{3}{*}{- 3 credit hours maximum of ECN 484 and ECN 499 can be taken.} \\
\hline ECN 306: Survey of International Economics (SB \& G) OR ECN 360: Economic Development (SB \& G) OR ECN 436: International Trade Theory (SB \& G) OR ECN 438: International Monetary Economics (SB \& G) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Summer 6 Session 2 129.75-133.00 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline MAT 275: Modern Differential Equations (MA) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Term hours subtotal: & 3.25 & & \\
\hline Term 7 133.00-151.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics & 3 & C \\
\hline ECN 4** Elective & 3 & C \\
\hline IEE 454: Risk Management & 3 & C \\
\hline \% IEE 485: Systems Design Capstone I (L) & 3 & C \\
\hline IEE 412: Introduction to Financial Engineering & 3 & C \\
\hline IEE 474: Quality Control & 3 & C \\
\hline Term hours subtotal: & 18 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8 151.00-169.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline W ECN 475: Capstone in Economics (L) & 3 & C \\
\hline W IEE 456: Introduction to Systems Engineering & 3 & C \\
\hline IEE 486: Systems Design Capstone II (L) & 3 & C \\
\hline WPC 480: W. P. Carey Capstone Course (L) & 3 & C \\
\hline ECN 4** Elective & 3 & C \\
\hline IEE 461: Production Control & 3 & C \\
\hline & 18 & \\
\hline
\end{tabular}
- 3 credit hours maximum of ECN 484 and ECN 499 can be taken.
- Apply forfull-time career opportunities

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track ( 1 credit hr total)

WPC 347: Intermediate Career Preparation WPC 348: Junior Career Preparation WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Basic Science Elective- select one course (34 credit hours)

BIO 181: General Biology I (SQ)
BIO 182: General Biology II (SG)
BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

BME 111: Engineering Perspectives on Biological Systems

CHM 113: General Chemistry I (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)

GLG 102: Introduction to Geology II (Historical) (SG \& H)

GLG 110: Dangerous World (SG \& G)
PHY 111: General Physics (SQ) AND PHY
113: General Physics Laboratory (SQ)

\section*{Global}

Engineering/Sustainability/Entrepreneurship Track- select one course ( 3-4 credit hours)

ALA 102: Landscapes and Sustainability (HU \& G)

CEE 181: Technological, Social, and Sustainable Systems (HU)

FSE 301: Entrepreneurship and Value Creation PUP 190: Sustainable Cities ((HU or SB) \& G) or SOS 111: Sustainable Cities ((HU or SB) \& G)

SES 106: Habitable Worlds (SQ)
SOS 110: Sustainable World (SB)

Total Hours: 169.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Economics, BS}

School/College: W. ....... Carey School of Business
Location: Online
BAECNBS
\begin{tabular}{|c|c|c|c|}
\hline erm 1-A 0-7 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Term hours subtotal:
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-16 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4 MAT 210: Brief Calculus (MA) & 3 & C & \multirow[b]{2}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline PSY course (SB) OR SOC course (SB) & 3 & & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement
- Join a student club or organization
- Create your first college resume
- View ASU Online first-time freshmen registration information here.

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3
Minimum 2.00 GPA ASU Cumulative.
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 16-25 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & - Attend W. P. Carey and ASU Career \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \begin{tabular}{l}
Fairs \\
- Continue using WPC 360
\end{tabular} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Join the W. P. Carey mentorship programs \\
\hline
\end{tabular}

Term hours subtotal:
9
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 25-31.25 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

COM 100: Introduction to Human Communication (SB) OR COM 225:
Public Speaking (L) OR COM 230: Small Group Communication (SB)
3
OR COM 259: Communication in Business and the Professions
WPC Career Preparation Course 0.25
PSY course (SB) OR SOC course (SB) 3
!. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
1. Minimum 2.00 GPA ASU Cumulative.
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 31.25-37.50 Credit Hours Critical course signified by \({ }^{(6)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|r|}{3 C} & \multirow[t]{4}{*}{\begin{tabular}{l}
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline General Studies Elective & 3 & & \\
\hline Term hours subtotal: & 6.25 & & \\
\hline Term 3-B 37.50-46.50 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline (1) ACC 241: Uses of Accounting Information II & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{¢. Minimum 2.00 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & : 9 & & \\
\hline Term 4 - A 46.50-53.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 ECN 221: Business Statistics (CS) & 3 & C & \multirow{3}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU career fairs \\
- Apply for internships or create one
\end{tabular}} \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-B 53.50-62.50 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 302: Business Writing (L) & 3 & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline \multicolumn{3}{|l|}{\%. Complete ECN 211 AND ECN 212.} & \\
\hline \multirow[b]{2}{*}{Term hours subtotal:} & & & \\
\hline & 9 & & \\
\hline Term 5-A 62.50-71.50 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECN 312: Intermediate Microeconomic Theory (SB) & 3 & C & \multirow[t]{4}{*}{- Meet with your W. P. Carey Career Coach} \\
\hline MKT 300: Marketing and Business Performance & 3 & C & \\
\hline SCM 300: Global Supply Operations & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 5-B 71.50-77.75 Credit Hours & Hours & Minimum Grade & Notes \\
\hline MGT 300: Organization and Management Leadership & 3 & C & \multirow[b]{4}{*}{- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.} \\
\hline Upper Division Economics Elective & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline  & 6.25 & & \\
\hline Term 6-A 77.75-83.75 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ECN 410: Applied Regression Analysis and Forecasting & 3 & C & \multirow{3}{*}{- Complete informational interviews} \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 6-B 83.75-92.75 Credit Hours Necessary course signified by & & Minimum & \\
\hline Academic Catalog A & Archive 201 & 18-2019 & 2229 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5 & Hours & Grade & Notes \\
\hline ECN 313: Intermediate Macroeconomic Theory (SB) & 3 & C & \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 92.75-99.75 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ECN 4** Elective & 3 & C & \multirow[b]{2}{*}{- All upper division Business Core classes (including International Business course) must be completed before enrolling in WPC} \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 7 & & \begin{tabular}{l}
480 \\
- Attend W. P. Carey and ASU Career Fairs
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 99.75-107.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ECN 306: Survey of International Economics (SB \& G) OR ECN 360:
\(\leadsto\) Economic Development (SB \& G) OR ECN 436: International Trade Theory (SB \& G) OR ECN 438: International Monetary Economics (SB \(3 \quad \mathrm{C}\) \& G)

\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 107.75-113.75 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ECN 4** Elective & 3 & C & \multirow{3}{*}{- Apply for full-time career opportunities} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 8-B 113.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECN 475: Capstone in Economics (L) & 3 & C & \\
\hline W WPC 480: W. P. Carey Capstone Course (L) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Term hours subtotal: & 6.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

WPC Career Preparation Courses ( 1 credit hr total)

WPC 148: Freshman Career Preparation

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation

\section*{Economics Electives}

ECN 306: Survey of International Economics (SB \& G)
\begin{tabular}{|c|}
\hline WPC 248: Sophomore Career Preparation \\
\hline WPC 348: Junior Career Preparation \\
\hline WPC 448: Intensive Career Preparation or WPC 449: Campus to Career \\
\hline General Studies Electives \\
\hline BIO 320: Fundamentals of Ecology \\
\hline COM 207: Introduction to Communication Inquiry \\
\hline COM 259: Communication in Business and the Professions \\
\hline COM 312: Communication, Conflict, and Negotiation \\
\hline COM 414: Crisis Communication \\
\hline COM 430: Leadership in Group Communication \\
\hline COM 453: Communication Training and Development \\
\hline ENG 210: Introduction to Creative Writing \\
\hline ENG 310: Intermediate Creative Writing \\
\hline ENG 345: Selected Authors or Issues \\
\hline FAS 301: Introduction to Parenting \\
\hline MAT 242: Elementary Linear Algebra \\
\hline MAT 243: Discrete Mathematical Structures \\
\hline POR 101: Elementary Portuguese \\
\hline ROM 101: Elementary Romanian \\
\hline SPA 101: Elementary Spanish I \\
\hline SPA 102: Elementary Spanish II \\
\hline
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Finance, BS
School/College: W. P. Carey School of Business
Location: Tempe campus
BAFINBS

Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}
- Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 4. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline Complete MAT 210 with a grade of "C" or better. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline ACC 232: Financial Accounting I & 3 & C & \multirow[b]{2}{*}{- Failure to successfully complete business skills courses in specified term may lead to a} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline General Studies Elective & 3 & \\
\hline \multicolumn{3}{|l|}{(1) Complete MAT 211 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(1) Complete ECN 211 OR ECN 212 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16.25 & \\
\hline Term 47.50-61.50 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline (1) FIN 302: Managerial Finance OR FIN 303: Honors Finance & 3 & C \\
\hline ACC 242: Managerial Accounting I & 3 & C \\
\hline FIN 331: Financial Markets and Institutions & 3 & C \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & \\
\hline Upper Division Elective & 1 & \\
\hline \multicolumn{3}{|l|}{(1) Complete ACC 232 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(4. Complete ECN 221 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 14 & \\
\hline Term 5 61.50-76.75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline ACC 340: External Reporting I & 3 & C \\
\hline WFIN 361: Advanced Managerial Finance & 3 & C \\
\hline MKT 300: Marketing and Business Performance & 3 & C \\
\hline SCM 300: Global Supply Operations & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline \multicolumn{3}{|l|}{I Complete ACC 242 with a grade of "C" or better.} \\
\hline Term hours subtotal: & 15.25 & \\
\hline
\end{tabular}
delay in graduation. See your academic advisor for more information and options.
- Explore career resources.
- Meet with your W. P. Carey Career Coach

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Upper Division Finance Elective - select one course (3 credit hours)

\section*{ACC 350: Internal Reporting}

ACC 440: External Reporting II
FIN 427: Derivative Financial Securities
FIN 431: Management of Financial Institutions

FIN 455: Entrepreneurial Finance
FIN 456: International Financial Management (G)

FIN 471: Investment Portfolio Management

FIN 472: Investment Banking Industry Scholars

FIN 494: Special Topics
\begin{tabular}{|c|c|}
\hline General Studies Electives & General Studies Electives Continued \\
\hline ARB 101: Elementary Arabic I & LAT 101: Elementary Latin \\
\hline ARB 102: Elementary Arabic II & LAT 102: Elementary Latin \\
\hline BIO 320: Fundamentals of Ecology & MAT 242: Elementary Linear Algebra \\
\hline CHI 205: Chinese Calligraphy & MAT 243: Discrete Mathematical Structures \\
\hline COM 207: Introduction to Communication & MAT 310: Introduction to Geometry \\
\hline Inquiry & \\
\hline COM 259: Communication in Business and the Professions & MAT 362: Advanced Mathematics for Engineers and Scientists \\
\hline COM 281: Communication Activities & MAT 370: Intermediate Calculus \\
\hline COM 310: Relational Communication & MAT 371: Advanced Calculus I \\
\hline COM 312: Communication, Conflict, and Negotiation & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline COM 430: Leadership in Group & MAT 442: Advanced Linear Algebra \\
\hline Communication & MAT 443: Introduction to Abstract Algebra \\
\hline COM 453: Communication Training and Development & MAT 444: Intermediate Abstract Algebra \\
\hline COM 465: Intercultural Communication & MAT 445: Theory of Numbers \\
\hline Workshop & MAT 460: Vector Calculus \\
\hline ENG 210: Introduction to Creative Writing & MAT 461: Applied Complex Analysis \\
\hline ENG 213: Introduction to the Study of Language & MAT 462: Applied Partial Differential Equations \\
\hline ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline ENG 345: Selected Authors or Issues & MAT 485: History of Mathematics \\
\hline FAS 301: Introduction to Parenting & POR 101: Elementary Portuguese \\
\hline FRE 111: Fundamentals of French & ROM 101: Elementary Romanian \\
\hline FRE 472: Franco-Canadian Civilization & ROM 201: Intermediate Romanian \\
\hline GCU 433: Geography of Southeast Asia & ROM 313: Romanian Composition and \\
\hline GER 111: Fundamentals of German & Conversation \\
\hline GRK 101: Elementary Ancient Greek & ROM 314: Romanian Composition and Conversation \\
\hline GRK 201: Intermediate Ancient Greek & RUS 101: Elementary Russian I \\
\hline HST 389: Japan Society and Values/Premod Academic Catalog Archive 2018-2019 & 2236 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline IDN 101: Elementary Indonesian I & RUS 102: Elementary Russian II \\
\hline IDN 102: Elementary Indonesian II & SHS 101: American Sign Language I \\
\hline JPN 206: Japanese Calligraphy & SHS 102: American Sign Language II \\
\hline JPN 414: Introduction to Classical Japanese & SHS 201: American Sign Language III \\
\hline KOR 101: First-Year Korean I & SHS 202: American Sign Language IV \\
\hline KOR 102: First-Year Korean II & SPA 101: Elementary Spanish I \\
\hline & SPA 102: Elementary Spanish \\
\hline & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American Narrative \\
\hline & SPA 456: 20th-Century Spanish American Fiction \\
\hline & SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala \\
\hline & THA 101: Elementary Thai I \\
\hline & THA 102: Elementary Thai II \\
\hline
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Management, BS}

School/College: W. P. Carey School of Business
Location: Polytechnic campus, Tempe campus, West campus
BAMGTBS

Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline
\end{tabular}

PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)

3

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3
- Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume


Term 7 91.75 - \(\mathbf{1 0 6 . 7 5}\) Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.


\section*{MGT 494: Special Topics}
\begin{tabular}{|c|c|}
\hline 4** Business Elective - select one course (3 credit hours) & Upper Division International Business Courseselect one course (3 credit hours) \\
\hline ACC 4** Elective & \multirow[t]{2}{*}{AGB 302: International Management and Agribusiness (G)} \\
\hline AGB 4** Elective & \\
\hline CIS 4** Elective & ECN 306: Survey of International Economics (SB \& G) \\
\hline ECN 4** Elective & \multirow[t]{2}{*}{MGT 302: Principles of International Business (G)} \\
\hline ENT 4** Elective & \\
\hline FIN 4** Elective & MKT 425: Global Marketing Management (G) \\
\hline MGT 4** Elective & SCM 463: Global Supply Chain Management (G) \\
\hline MKT 4** Elective & \\
\hline REA 4** Elective & \\
\hline SCM 4** Elective & \\
\hline
\end{tabular}

Upper Division International Business Courseselect one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

General Studies Electives
ARB 101: Elementary Arabic I
ARB 102: Elementary Arabic II
BIO 320: Fundamentals of Ecology
CHI 205: Chinese Calligraphy
COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities
COM 310: Relational Communication
COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication
COM 341: Social Contexts for Performance

COM 414: Crisis Communication
COM 430: Leadership in Group
Communication
COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing
ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting
FRE 111: Fundamentals of French
FRE 472: Franco-Canadian Civilization
GCU 433: Geography of Southeast Asia
GER 111: Fundamentals of German
GRK 101: Elementary Ancient Greek
GRK 201: Intermediate Ancient Greek

HST 389: Japan Society and Values/Premod
IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II


ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian I

RUS 102: Elementary Russian II
SHS 101: American Sign Language I
SHS 102: American Sign Language II
SHS 201: American Sign Language III
SHS 202: American Sign Language IV
SPA 101: Elementary Spanish I
SPA 102: Elementary Spanish
SPA 111: Fundamentals of Spanish
SPA 434: Drama of the Golden Age
SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Chicano/a Novel: Ãltima, Rafa y
Lala
THA 101: Elementary Thai I
THA 102: Elementary Thai II

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Management, BS
School/College: W. .........arey School of Business
Location: Online
BAMGTBS

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\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 31.25-37.50 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4. ACC 231: Uses of Accounting Information I & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline WPC Career Preparation Course & \multicolumn{2}{|l|}{0.25} & \\
\hline General Studies Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{: 6.25} & \\
\hline Term 3-B 37.50-46.50 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) ACC 241: Uses of Accounting Information II & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline General Studies Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{(1) Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{: 9} & \\
\hline Term 4-A 46.50-53.50 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) ECN 221: Business Statistics (CS) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU career fairs \\
- Apply for internships or create one
\end{tabular}} \\
\hline Natural Science - Quantitative (SQ) & \multicolumn{2}{|l|}{4} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{7} & \\
\hline Term 4 - B 53.50-59.50 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline General Studies Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{(4) Complete ECN 211 AND ECN 212.} & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 5-A 59.50-68.50 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L) & \multicolumn{2}{|l|}{3} & \multirow[t]{4}{*}{- Meet with your W. P. Carey Career Coach} \\
\hline MKT 300: Marketing and Business Performance & 3 & C & \\
\hline SCM 300: Global Supply Operations & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 9} & \\
\hline Term 5-B 68.50-75.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MGT 300: Organization and Management Leadership & 3 & C & \multirow[t]{4}{*}{- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.} \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{7.25} & \\
\hline Term 6-A 75.75-81.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% MGT 320: Organizational Behavior & 3 & C & - Complete informational interviews \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \multirow[b]{2}{*}{Notes} \\
\hline Term 6-B 81.75-90.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & \\
\hline 3 LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline MGT 302: Principles of International Business (G) OR Upper Division International Business Elective & 3 & C & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-A 90.75-96.75 Credit Hours Necessary course signified by & Hours M & Minimum Grade & Notes \\
\hline MGT 400: Cross-Cultural Management (C \& G) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- All Upper Division Business Core Classes (Including International Business Course) must be completed before enrolling in WPC 480 \\
- Attend W. P. Carey and ASU Career Fairs
\end{tabular}} \\
\hline Upper Division Management Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 96.75-104.75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MGT 411: Leading Organizations & 3 & C & \\
\hline Upper Division Management Elective & 3 & C & \\
\hline Upper Division Elective & 2 & & \\
\hline Term hours subtotal: & 8 & & \\
\hline Term 8-A 104.75-113.75 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4** Business Elective & 3 & C & \multirow{4}{*}{- Apply for full-time career opportunities} \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline General Studies Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 8-B 113.75-120.00 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W WPC 480: W. P. Carey Capstone Course (L) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
WPC Career Preparation Courses (1 credit hr
total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career
4** Business Elective - select one course (3
credit hours)
ACC \(4^{* *}\) Elective
AGB \(4^{* *}\) Elective
CIS \(4^{* *}\) Elective
MGT \(4^{* *}\) Elective
MKT \(4^{* *}\) Elective
SCM \(4^{* *}\) Elective
Upper Division International Business Course-
select one course (3 credit hours)
AGB 302: International Management and
Agribusiness (G)
ECN 306: Survey of International Economics
(SB \& G)
MGT 302: Principles of International Business
(G)
MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management
(G)

Upper Division Management Electives- select three courses ( 9 credit hours)

ENT 360: Entrepreneurship and Value Creation

MGT 420: Human Resource Management
MGT 430: Negotiations

General Studies Electives
BIO 320: Fundamentals of Ecology
COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities
COM 312: Communication, Conflict, and Negotiation

COM 414: Crisis Communication

COM 430: Leadership in Group
Communication

COM 453: Communication Training and Development

ENG 210: Introduction to Creative Writing

ENG 310: Intermediate Creative Writing
ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting
MAT 242: Elementary Linear Algebra
MAT 243: Discrete Mathematical Structures
POR 101: Elementary Portuguese
ROM 101: Elementary Romanian
SPA 101: Elementary Spanish I
SPA 102: Elementary Spanish

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Marketing, BS
School/College: W. P. Carey School of Business
Location: Tempe campus
BAMKTBS

Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}
- Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
Term 216 - 31.25 Credit Hours Critical course signified by
\begin{tabular}{|c|c|c|}
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline General Studies Elective & 3 & \\
\hline (4. Complete ECN 211 OR ECN 212 with a grade of "C" or better. & & \\
\hline (4) Complete MAT 211 with a grade of "C" or better. & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline Term hours subtotal & 16.25 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 447.50-61.50 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline ACC 241: Uses of Accounting Information II & 3 & C \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline General Studies Elective & 3 & \\
\hline Upper Division Elective & 1 & \\
\hline \multicolumn{3}{|l|}{4. Complete ACC 231 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(4. Complete ECN 221 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}

\author{
Notes
}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Attend W. P. Carey and ASU career fairs
- Apply for internships or create one
- Develop your professional online presence
Term 5 61.50 - 76.75 Credit Hours Necessary course signified by
Hours
MKT 302: Applied Marketing Management and Leadership (L)
Grade
Term 6 76.75-91.75 Credit Hours Necessary course signified by
Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline W & Hours & Grade & Notes \\
\hline MKT 402: Consumer Behavior & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- All Upper Division Business Core Classes (Including International Business Course) must be completed before enrolling in WPC 480 \\
- MKT 425 cannot count as both International Business course requirement and MKT Elective. If MKT 425 is taken, select another MKT Elective. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Gather professional references \\
- Update your resume
\end{tabular}} \\
\hline Upper Division Marketing Elective & 3 & C & \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline General Studies Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{l} 
Term 8 106.75-120.00 Credit Hours Necessary course signified by \\
\begin{tabular}{l} 
MKT 442: Services Marketing Strategy OR MKT 452: \\
Business-to-Business Marketing Strategy OR MKT 462: \\
Competitive Marketing Strategy
\end{tabular} \\
\begin{tabular}{l} 
Minimum \\
Grade
\end{tabular} \\
\begin{tabular}{llll} 
Notes
\end{tabular} \\
\hline WPC 480: W. P. Carey Capstone Course (L)
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)
\begin{tabular}{l}
\begin{tabular}{l} 
WPC Career Preparation Courses (1 credit hr \\
total)
\end{tabular} \\
\begin{tabular}{ll} 
WPC 148: Freshman Career Preparation & \begin{tabular}{l} 
WPC Career Preparation Courses - Transfer \\
Student Track (1 credit hr total)
\end{tabular} \\
\hline WPC 248: Sophomore Career Preparation & WPC 347: Intermediate Career Preparation
\end{tabular} \\
\hline WPC 348: Junior Career Preparation
\end{tabular}

Upper Division Marketing Electives - select three courses (9 credit hours)

MKT 365: Advertising Management
MKT 370: Professional Sales and Relationship Management

MKT 410: Sales Management
MKT 425: Global Marketing Management (G)
MKT 435: Entrepreneurial Marketing
MKT 440: Creating Digital Experiences
MKT 442: Services Marketing Strategy
MKT 450: Social Media and Content Marketing

MKT 452: Business-to-Business Marketing Strategy

GER 111: Fundamentals of German
GRK 101: Elementary Ancient Greek \begin{tabular}{l} 
ROM 314: Romanian Composition and \\
Conversation
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Marketing, BS
School/College: W. P. Carey School of Business
Location: Online
BAMKTBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline VPC 101: Student Success in Business & \multicolumn{2}{|l|}{1} \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline
\end{tabular}

Term hours subtotal:
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in Mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-16 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 9 MAT 210: Brief Calculus (MA) & 3 & C & \multirow[t]{5}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline  & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. MAT 211: Mathematics for Business Analysis & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-B 25-31.25 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline WPC Career Preparation Course & \multicolumn{2}{|l|}{0.25} & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC course (SB) OR PSY course (SB) & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline 1. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 6.25 & & \\
\hline & & Minimum & \\
\hline
\end{tabular}


Term hours subtotal:
9
\(\begin{array}{l}\text { Term } 6 \text { - B 83.75 - } \mathbf{8 9 . 7 5} \text { Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\)
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.


Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

\section*{Total Community College Hrs: 64 maximum}
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Marketing (Digital and Integrated Marketing Communications), BS}

School/College: W. ....... Carey School of Business
Location: Tempe campus
BAMKDIMCBS
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & \multicolumn{2}{|l|}{1} \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}
1. Minimum 2.00 GPA ASU Cumulative.
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & \multicolumn{2}{|l|}{3} & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 4. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline Complete MAT 210 with a grade of "C" or better. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline WPC Career Preparation Course & \multicolumn{2}{|l|}{0.25} & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Natural Science - Quantitative (SQ) & \multicolumn{2}{|l|}{4} \\
\hline General Studies Elective & \multicolumn{2}{|l|}{3} \\
\hline \multicolumn{3}{|l|}{4. Complete MAT 211 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Complete ECN 211 OR ECN 212 with a grade of " C " or better.} \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16.25 & \\
\hline Term 47.50-61.50 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline ACC 241: Uses of Accounting Information II & 3 & C \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline General Studies Elective & 3 & \\
\hline Upper Division Elective & 1 & \\
\hline \multicolumn{3}{|l|}{4. Complete ACC 231 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Complete ECN 221 with a grade of "C" or better.} \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 14 & \\
\hline Term 561.50-76.75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline MKT 302: Applied Marketing Management and Leadership (L) & 3 & C \\
\hline FIN 300: Fundamentals of Finance & 3 & C \\
\hline SCM 300: Global Supply Operations & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & \\
\hline General Studies Elective & 3 & \\
\hline \multicolumn{3}{|l|}{Complete ACC 241 with a grade of "C" or better.} \\
\hline
\end{tabular}

Term hours subtotal: \(\quad 15.25\)
Term 6 76.75 - 91.75 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

15
\begin{tabular}{|c|c|c|}
\hline Term 7 91.75-106.75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline \% MKT 402: Consumer Behavior & 3 & C \\
\hline
\end{tabular}
- Students pursuing concurrent degrees within W. P. Carey cannot share coursework in the major. Major coursework must be unique to each degree program.
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options.
- Meet with your W. P. Carey Career Coach
- Update your resume
- Complete informational interviews
- Complete an in person or virtual practice interview with your W. P. Carey Career Coach
\begin{tabular}{|c|c|c|c|}
\hline Upper Division Digital \& Integrated Marketing Communications Concentration Elective & 3 & C & \begin{tabular}{l}
- Digital \& Integrated Marketing \\
Communication concentration electives must
\end{tabular} \\
\hline ENG 302: Business Writing (L) & 3 & & be taken at ASU \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & - If chosen as a concentration elective, MKT 493 Honors Thesis subject must be \\
\hline Elective & 3 & & Advertising, Brand Management, or Digital \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
Marketing \\
- All Upper Division Business Core Classes (Including International Business Course) must be completed before enrolling in WPC 480 \\
- Attend W. P. Carey and ASU Career Fairs \\
- Gather professional references \\
- Update your resume
\end{tabular} \\
\hline Term 8 106.75-120.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
MKT 442: Services Marketing Strategy OR MKT 452: \\
Business-to-Business Marketing Strategy OR MKT 462: Competitive Marketing Strategy
\end{tabular} & 3 & C
.................\(~\) & - Digital \& Integrated Marketing Communication concentration electives must be taken at ASU \\
\hline 5 WPC 480: W. P. Carey Capstone Course (L) & 3 & C & - If chosen as a concentration elective, MKT \\
\hline WPC Career Preparation Course & 0.25 & & 493 Honors Thesis subject must be \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Digital \& Integrated Marketing Communications Concentration Elective
\end{tabular} & 6 & C & \begin{tabular}{l}
Advertising, Brand Management, or Digital Marketing \\
- Apply for full-time career opportunities
\end{tabular} \\
\hline Upper Division Elective & 1 & & \\
\hline Term hours subtotal: & 13.25 & & \\
\hline
\end{tabular}
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Choose three (3) Upper Division Digital \& Integrated Marketing Communication Concentration Electives.
- Digital \& Integrated Marketing Communication concentration electives must be taken at ASU.
- If chosen as a concentration elective, MKT 493 Honors Thesis subject must be Advertising, Brand Management, or Digital Marketing.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{l} 
WPC Career Preparation Courses (1 credit hr \\
total)
\end{tabular} \\
\begin{tabular}{l} 
WPC Career Preparation Courses - Transfer \\
Student Track (1 credit hr total)
\end{tabular} \\
\hline WPC 148: Freshman Career Preparation \\
WPC 248: Sophomore Career Preparation
\end{tabular} WPC 347: Intermediate Career Preparation

Digital \& Integrated Marketing Communications Concentration Electives select three courses ( 9 credit hours)

\section*{MKT 365: Advertising Management}

MKT 440: Creating Digital Experiences

MKT 450: Social Media and Content Marketing

MKT 455: Brand Management
MKT 484: Learning Through Internship or MKT 493: Honors Thesis (L)

MKT 494: Digital Tools for Building Brands

Upper Division International Business Courseselect one course ( 3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)
\begin{tabular}{|c|c|}
\hline General Studies Electives & General Studies Electives Continued \\
\hline ARB 101: Elementary Arabic I & LAT 101: Elementary Latin \\
\hline ARB 102: Elementary Arabic II & LAT 102: Elementary Latin \\
\hline BIO 320: Fundamentals of Ecology & MAT 242: Elementary Linear Algebra \\
\hline CHI 205: Chinese Calligraphy & MAT 243: Discrete Mathematical Structures \\
\hline COM 207: Introduction to Communication & MAT 310: Introduction to Geometry \\
\hline Inquiry & MAT 342: Linear Algebra \\
\hline COM 259: Communication in Business and the Professions & MAT 362: Advanced Mathematics for Engineers and Scientists \\
\hline COM 281: Communication Activities & : Intermediate Calculu \\
\hline COM 310: Relational Communication & MAT 371: Advanced Calculus I \\
\hline COM 312: Communication, Conflict, and Negotiation & MAT 372: Advanced Calculus II \\
\hline COM 317: Nonverbal Communication & MAT 410: Introduction to General Topology \\
\hline COM 341: Social Contexts for Performance & MAT 415: Introduction to Combinatorics \\
\hline COM 414: Crisis Communication & MAT 416: Introduction to Graph Theory \\
\hline COM 430: Leadership in Group & MAT 442: Advanced Linear Algebra \\
\hline Communication & MAT 443: Introduction to Abstract Algebra \\
\hline COM 453: Communication Training and Development & MAT 444: Intermediate Abstract Algebra \\
\hline COM 465: Intercultural Communication & MAT 445: Theory of Numbers \\
\hline Workshop & MAT 460: Vector Calculus \\
\hline ENG 210: Introduction to Creative Writing & MAT 461: Applied Complex Analysis \\
\hline ENG 213: Introduction to the Study of Language & MAT 462: Applied Partial Differential Equations \\
\hline ENG 310: Intermediate Creative Writing & MAT 472: Intermediate Real Analysis I \\
\hline ENG 314: Modern Grammar & MAT 475: Differential Equations \\
\hline ENG 345: Selected Authors or Issues & MAT 485: History of Mathematics \\
\hline FAS 301: Introduction to Parenting & POR 101: Elementary Portuguese \\
\hline FRE 111: Fundamentals of French & ROM 101: Elementary Romanian \\
\hline FRE 472: Franco-Canadian Civilization & ROM 201: Intermediate Romanian \\
\hline GCU 433: Geography of Southeast Asia & ROM 313: Romanian Composition and \\
\hline GER 111: Fundamentals of German & Conversation \\
\hline GRK 101: Elementary Ancient Greek & ROM 314: Romanian Composition and Conversation \\
\hline GRK 201: Intermediate Ancient Greek & RUS 101: Elementary Russian I \\
\hline HST 389: Japan Society and Values/Premod & RUS 101: Elementary Russian I \\
\hline IDN 101: Elementary Indonesian I & SHS 101: American Sign Language I \\
\hline
\end{tabular}
\begin{tabular}{ll} 
IDN 102: Elementary Indonesian II & SHS 102: American Sign Language II \\
\hline JPN 206: Japanese Calligraphy & SHS 201: American Sign Language III \\
\hline JPN 414: Introduction to Classical Japanese & SHS 202: American Sign Language IV \\
\hline KOR 101: First-Year Korean I & SPA 101: Elementary Spanish \\
\hline KOR 102: First-Year Korean II & SPA 102: Elementary Spanish \\
& SPA 111: Fundamentals of Spanish \\
& SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American \\
Narrative \\
SPA 456: 20th-Century Spanish American \\
Fiction
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Marketing (Professional Sales), BS}

School/College: W. ....... Carey School of Business
Location: Tempe campus
BAMKTPSBS
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

(1) Minimum 2.00 GPA ASU Cumulative.

\section*{Term hours subtotal:}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume
\begin{tabular}{|c|c|c|c|}
\hline Term 216-31.25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 4. Complete CIS 105 with a grade of "C" or better. & & & \\
\hline Complete MAT 210 with a grade of " C " or better. & & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Explore career resources. \\
- Meet with your W. P. Carey Career Coach
\end{tabular}} \\
\hline ECN 221: Business Station & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline ENG 302: Business Writing (L) & \multicolumn{2}{|l|}{3} \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- All Upper Division Business Core Classes (Including International Business Course) must be completed before enrolling in WPC 480
- Attend W. P. Carey and ASU Career Fairs
- Gather professional references
- Update your resume

- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses (1 credit hr total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Upper Division International Business Courseselect one course ( 3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation
WPC 348: Junior Career Preparation
WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

General Studies Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II
BIO 320: Fundamentals of Ecology
CHI 205: Chinese Calligraphy
COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities COM 310: Relational Communication

Upper Division Professional Sales Concentration Electives - select one course (3 credit hours)

MKT 435: Entrepreneurial Marketing

MKT 442: Services Marketing Strategy

MKT 493: Honors Thesis (L)

MGT 430: Negotiations

General Studies Electives Continued
LAT 101: Elementary Latin
LAT 102: Elementary Latin
MAT 242: Elementary Linear Algebra
MAT 243: Discrete Mathematical Structures
MAT 310: Introduction to Geometry
MAT 342: Linear Algebra
MAT 362: Advanced Mathematics for Engineers and Scientists

MAT 370: Intermediate Calculus
MAT 371: Advanced Calculus I
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{COM 312: Communication, Conflict, and Negotiation} & MAT 372: Advanced Calculus II \\
\hline & MAT 410: Introduction to General Topology \\
\hline COM 317: Nonverbal Communication & MAT 415: Introduction to Combinatorics \\
\hline COM 341: Social Contexts for Performance & MAT 416: Introduction to Graph Theory \\
\hline COM 414: Crisis Communication & MAT 442: Advanced Linear Algebra \\
\hline COM 430: Leadership in Group Communication & MAT 443: Introduction to Abstract Algebra \\
\hline \multirow[t]{2}{*}{COM 453: Communication Training and Development} & MAT 444: Intermediate Abstract Algebra \\
\hline & MAT 445: Theory of Numbers \\
\hline \multirow[t]{2}{*}{COM 465: Intercultural Communication Workshop} & MAT 460: Vector Calculus \\
\hline & MAT 461: Applied Complex Analysis \\
\hline ENG 210: Introduction to Creative Writing & \multirow[b]{2}{*}{MAT 462: Applied Partial Differential Equations} \\
\hline \multirow[t]{2}{*}{ENG 213: Introduction to the Study of Language} & \\
\hline & MAT 472: Intermediate Real Analysis I \\
\hline ENG 310: Intermediate Creative Writing & MAT 475: Differential Equations \\
\hline \multirow[t]{2}{*}{ENG 314: Modern Grammar} & \multirow[b]{2}{*}{MAT 485: History of Mathematics} \\
\hline & \\
\hline ENG 345: Selected Authors or Issues & POR 101: Elementary Portuguese \\
\hline FAS 301: Introduction to Parenting & \multirow[b]{2}{*}{ROM 101: Elementary Romanian} \\
\hline \multirow[t]{2}{*}{FRE 111: Fundamentals of French} & \\
\hline & \multirow[t]{2}{*}{ROM 201: Intermediate Romanian} \\
\hline FRE 472: Franco-Canadian Civilization & \\
\hline GCU 433: Geography of Southeast Asia & ROM 313: Romanian Composition and Conversation \\
\hline GER 111: Fundamentals of German & \multirow[t]{2}{*}{ROM 314: Romanian Composition and Conversation} \\
\hline GRK 101: Elementary Ancient Greek & \\
\hline GRK 201: Intermediate Ancient Greek & RUS 101: Elementary Russian I \\
\hline HST 389: Japan Society and Values/Premod & RUS 102: Elementary Russian II \\
\hline IDN 101: Elementary Indonesian I & SHS 101: American Sign Language I \\
\hline IDN 102: Elementary Indonesian II & SHS 102: American Sign Language II \\
\hline JPN 206: Japanese Calligraphy & SHS 201: American Sign Language III \\
\hline JPN 414: Introduction to Classical Japanese & SHS 202: American Sign Language IV \\
\hline KOR 101: First-Year Korean I & SPA 101: Elementary Spanish I \\
\hline \multirow[t]{6}{*}{KOR 102: First-Year Korean II} & SPA 102: Elementary Spanish \\
\hline & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & SPA 454: 19th-Century Spanish American Narrative \\
\hline & SPA 456: 20th-Century Spanish American Fiction \\
\hline & SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala \\
\hline
\end{tabular}

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Supply Chain Management, BS
School/College: W. P. Carey School of Business
Location: Tempe campus
BASCMBS

Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline rm 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline WPC 101: Student Success in Business & 1 & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline SOC OR PSY course (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}
. Minimum 2.00 GPA ASU Cumulative.

\section*{Hours Minimum \\ Grade}
MAT 211: Mathematics for Business Analysis

3

3
Microeconomic Principles (SB
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR

3

WPC Career Preparation Course
COM 100: Introduction to Human Communication (SB) OR COM
225: Public Speaking (L) OR COM 230: Small Group
Communication (SB) OR COM 259: Communication in Business and the Professions

SOC OR PSY course (SB)
3
4 Complete CIS 105 with a grade of "C" or better.
4 Complete MAT 210 with a grade of " C " or better.
!. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
(.) Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal
15.25
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31.25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow{11}{*}{\begin{tabular}{l}
- Failure to successfully complete business skills courses in specified term may lead to a delay in graduation. See your academic advisor for more information and options. \\
- Attend W. P. Carey and ASU Career Fairs \\
- Continue using WPC 360 \\
- Join the W. P. Carey mentorship programs \\
- Explore student leadership opportunities in W. P. Carey
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline \begin{tabular}{l}
COM 100: Introduction to Human Communication (SB) OR COM \\
225: Public Speaking (L) OR COM 230: Small Group \\
Communication (SB) OR COM 259: Communication in Business and the Professions
\end{tabular} & 3 & & \\
\hline SOC OR PSY course (SB) & 3 & & \\
\hline 4. Complete CIS 105 with a grade of " C " or better. & & & \\
\hline 4 Complete MAT 210 with a grade of "C" or better. & & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: \(\quad 15.25\)} & \\
\hline Term 3 31.25-47.50 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \multirow[b]{2}{*}{- Failure to successfully complete business skills courses in specified term may lead to a} \\
\hline ECN 221: Business Statistics (CS) & 3 & C & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & 2269 \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. WPC 101 is the W. P. Carey School course that meets this requirement
- Join a student club or organization
- Organize and track your activities, events, and experiences with WPC 360
- Create your first college resume

Term 7 91.75-106.75 Credit Hours Necessary course signified by
Hours
SCM 455: Research and Negotiation
Minimum
Grade \(\quad\) Notes
- Courses that qualify as meeting the General Studies course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses ( 1 credit hr total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track (1 credit hr total)

WPC 347: Intermediate Career Preparation

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Upper Division International Business Courseselect one course (3 credit hours)

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB \& G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management
(G)
\begin{tabular}{ll} 
General Studies Electives & General Studies Electives Continued \\
\hline ARB 101: Elementary Arabic I & LAT 101: Elementary Latin \\
\hline ARB 102: Elementary Arabic II & LAT 102: Elementary Latin \\
BIO 320: Fundamentals of Ecology & MAT 242: Elementary Linear Algebra \\
CHI 205: Chinese Calligraphy & MAT 243: Discrete Mathematical Structures \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{COM 207: Introduction to Communication Inquiry} & MAT 342: Linear Algebra \\
\hline & \\
\hline \multirow[t]{2}{*}{COM 259: Communication in Business and the Professions} & Engineers and Scientists \\
\hline & MAT 370: Intermediate Calculus \\
\hline COM 281: Communication Activities & \\
\hline \multirow[t]{2}{*}{COM 310: Relational Communication} & us \\
\hline & MAT 372: Advanced Calculus II \\
\hline COM 312: Communication, Conflict, and Negotiation & MAT 410: Introduction to General Topology \\
\hline COM 317: Nonverbal Communication & MAT 415: Introduction to Combinatorics \\
\hline COM 341: Social Contexts for Performance & MAT 416: Introduction to Graph Theory \\
\hline COM 414: Crisis Communication & MAT 442: Advanced Linear Algebra \\
\hline \multirow[t]{2}{*}{COM 430: Leadership in Group Communication} & MAT 443: Introduction to Abstract Algebra \\
\hline & MAT 444: Intermediate Abstract Algebra \\
\hline COM 453: Communication Training and Development & MAT 445: Theory of Numbers \\
\hline \multirow[b]{2}{*}{COM 465: Intercultural Communication Workshop} & MAT 460: Vector Calculus \\
\hline & MAT 461: Applied Complex Analysis \\
\hline ENG 210: Introduction to Creative Writing & MAT 462: Applied Partial Differential \\
\hline \multirow[t]{2}{*}{ENG 213: Introduction to the Study of Language} & Equations \\
\hline & MAT 472: Intermediate Real Analysis I \\
\hline ENG 310: Intermediate Creative Writing & MAT 475: Differential Equations \\
\hline ENG 314: Modern Grammar & MAT 485: History of Mathematics \\
\hline ENG 345: Selected Authors or Issues & POR 101: Elementary Portuguese \\
\hline FAS 301: Introduction to Parenting & ROM 101: Elementary Romanian \\
\hline FRE 111: Fundamentals of French & ROM 201: Intermediate Romanian \\
\hline FRE 472: Franco-Canadian Civilization & ROM 313: Romanian Composition and \\
\hline GCU 433: Geography of Southeast Asia & Conversation \\
\hline GER 111: Fundamentals of German & ROM 314: Romanian Composition and Conversation \\
\hline GRK 101: Elementary Ancient Greek & RUS 101: Elementary Russian I \\
\hline GRK 201: Intermediate Ancient Greek & RUS 102: Elementary Russian II \\
\hline HST 389: Japan Society and Values/Premod & SHS 101: American Sign Language I \\
\hline IDN 101: Elementary Indonesian I & SHS 102: American Sign Language II \\
\hline IDN 102: Elementary Indonesian II & SHS 201: American Sign Language III \\
\hline JPN 206: Japanese Calligraphy & SHS 202: American Sign Language IV \\
\hline JPN 414: Introduction to Classical Japanese & SPA 101: Elementary Spanish I \\
\hline KOR 101: First-Year Korean I & SPA 102: Elementary Spanish \\
\hline KOR 102: First-Year Korean II & SPA 111: Fundamentals of Spanish \\
\hline & SPA 434: Drama of the Golden Age \\
\hline & Academic Catalog Archive 2018-2019 \\
\hline
\end{tabular}

SPA 454: 19th-Century Spanish American
Narrative
SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Chicano/a Novel: Ãltima, Rafa y
Lala

THA 101: Elementary Thai I
THA 102: Elementary Thai II

Total Hours: 120.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
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- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Supply Chain Management, BS
School/College: W. P. Carey School of Business
Location: Tempe campus
BASCMBS
and
Sustainability,
BA
School of Sustainability
SUSUSTBA

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In order to complete this concurrent degree in 4 years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-17 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASU 101-SOS: The ASU Experience OR WPC 101: Student
4. Success in Business OR SOS 201: Introduction to ASU and Sustainability
\begin{tabular}{|c|c|c|}
\hline S 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) \& G) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}
4. Minimum 2.50 GPA ASU Cumulative.

Minimum 3.00 GPA in SOS courses.
Term hours subtotal:
17
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ASU 101-SOS or WPC 101 meets this requirement.
- SOS 201 required of all Sustainability transfer students
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam. CLEP and AP credit are also viable options for fulfilling the second language requirement
- A score of 4 or 5 on the AP Environmental Science exam fulfills the SOS 110 course requirement
\begin{tabular}{|c|c|c|c|}
\hline Term 2 17-33 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 4 (1) MAT 211: Mathematics for Business Analysis & 3 & C & - Join a student club or organization \\
\hline SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) \& G) & 3 & C & - Create your first college resume \\
\hline ECN 211: Macroeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline
\end{tabular}

\section*{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).}

Minimum 2.50 GPA ASU Cumulative.
Minimum 3.00 GPA in SOS courses.
\begin{tabular}{|c|c|c|c|}
\hline Summer 2 Session 1 33-40 Credit Hours & Hours & Minimum Grade & Notes \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Summer 2 Session 2 40-43 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline Term hours subtotal: & 3 & & \\
\hline Term 3-59 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4 ACC 231: Uses of Accounting Information I & 3 & C & - Explore career resources \\
\hline 4 ECN 221: Business Statistics (CS) & 3 & C & \\
\hline SOS 220: Systems Thinking & 3 & C & \\
\hline SOS 232: Professional Skills in Sustainability Practice & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline
\end{tabular}

4. Complete ECN 211 AND ECN 212.
(1. Minimum 2.50 GPA ASU Cumulative.
(1.) Minimum 3.00 GPA in SOS coursen.

\[
\text { Term hours subtotal: } \quad 16
\]
\begin{tabular}{|c|c|c|}
\hline Term 459-76 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (1) ACC 241: Uses of Accounting Information II & 3 & C \\
\hline (1) SCM 300: Global Supply Operations & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: \\
Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism
\end{tabular} & 6 & C \\
\hline SOS 231: Careers in Sustainability & 1 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline \multicolumn{3}{|l|}{(1) Complete SOS 220 AND SOS 230 course(s).} \\
\hline \multicolumn{3}{|l|}{(1) Milestone: Select a Sustainability track} \\
\hline \multicolumn{3}{|l|}{(1) Minimum 2.50 GPA ASU Cumulative.} \\
\hline 1. Minimum 3.00 GPA in SOS courses. & & \\
\hline
\end{tabular}

Term hours subtotal: 17
\begin{tabular}{|c|c|c|c|}
\hline Summer 4 Session 176 - 83 Credit Hours & Hours & Minimum Grade & Notes \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline Natural Science - General (SG) or Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Summer 4 Session 2 83-86 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG 302: Business Writing (L) & 3 & & \\
\hline Term hours subtotal: & 3 & & \\
\hline Term 586-104 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline § SCM 315: Business Decision Models & 3 & C & - Attend Career Fairs \\
\hline SCM 345: Logistics Management & 3 & C & - Apply for internships or create one \\
\hline MGT 300: Organization and Management Leadership & 3 & C & ws \\
\hline SOS 311: Future Thinking and Strategies & 3 & C & \\
\hline SOS 320: Society and Sustainability (L or SB) & 3 & C & \\
\hline Upper Division International Development and Sustainability Track Required Course OR Upper Division Policy and Governance in Sustainable Systems Track - Required Course OR Upper Division Sustainable Urban Dynamics Track - Required Course & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Minimum 3.00 GPA in SOS courses. & & & \\
\hline Term hours subtotal: & 18 & & \\
\hline Term 6104-122 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SCM 355: Supply Management (L) & 3 & C & \\
\hline \begin{tabular}{l}
SCM 432: Planning and Control Systems for Supply Chain \\
Management
\end{tabular} & 3 & C & \\
\hline SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course & 3 & C & \\
\hline \begin{tabular}{l}
International Development and Sustainability Track - Elective OR \\
Policy and Governance in Sustainable Systems Track - Elective OR Sustainable Urban Dynamics Track - Elective
\end{tabular} & 3 & C & \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline SOS 310: Equity, Justice and Sustainability & 3 & C & \\
\hline
\end{tabular}
\(\leadsto\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s)

\section*{Minimum 2.50 GPA ASU Cumulative.}

Minimum 3.00 GPA in SOS courses.
Term hours subtotal: 18
Term 7 122-138 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

- Tracks available for the concurrent degree in Supply Chain Management and the BA in Sustainability:
- Policy and Governance in Sustainable Systems
- International Development and Sustainability
- Sustainable Urban Dynamics

Students may choose any of the upper division challenge area/track courses, but MUST complete at least the course that corresponds with the track they have chosen (e.g., if the Policy and Governance in Sustainable Systems track is chosen, students should choose SOS 321 and three other challenge area/track courses).
Hide Course List(s)/Track Group(s)
Upper Division International Business Course-
select one course (3 credit hours) \begin{tabular}{l} 
International Development and Sustainability \\
Track
\end{tabular}\(\quad\)\begin{tabular}{l} 
Policy and Governance in Sustainable Systems \\
Track
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline & \begin{tabular}{l}
GCU 364: Energy in the Global Arena (SB \& \\
G)
\end{tabular} & PAF 300: Public Management and Administration \\
\hline & GPH 314: Global Change (HU \& G) & PAF 340: Contemporary Policy Challenges \\
\hline & JUS 325: Globalization and Socio-Economic Justice (SB \& G) or SGS 325: Globalization and Socio-Economic Justice (SB \& G) & PHI 407: Environmental Philosophy and Policy (L or HU) \\
\hline & JUS 352: The Global Politics of Human & POS 160: Global Politics (SB \& G) \\
\hline & Rights (SB \& G) & POS 300: Contemporary Global Controversies \\
\hline & POS 160: Global Politics (SB \& G) & (SB \& G) \\
\hline & POS 368: Ethics and Human Rights & POS 346: Problems of Democracy (HU) \\
\hline & POS 486: International Political Economy (SB & POS 351: Democratization (SB \& G) \\
\hline & \& G) & POS 364: National Security, Intelligence, and \\
\hline & SBS 480: Global Justice (G) & Terrorism (SB) \\
\hline & SGS 301: Principles of Global Studies & POS 368: Ethics and Human Rights \\
\hline & SGS 303: Global Trends (SB) & POS 410: Governing American Cities (SB) \\
\hline & SOC 333: Population (SB \& G) & PUP 301: Introduction to Urban Planning (L) \\
\hline & SSH 305: Poverty and Global Health ((L or SB) \& G) & PUP 430: Transportation Planning and the Environment \\
\hline & STS 330: Information Technology and Globalization (SB \& G) & STS 325: Science, Technology, and Public Policy (SB) \\
\hline & STS 332: Global Issues in Science and Technology (SB) & \\
\hline & TEM 450: Design for the Developing World & \\
\hline & TEM 455: Global Impact Entrepreneurship & \\
\hline & WST 378: Global Feminist Theory (L \& G) & \\
\hline Sustainable Urban Dynamics Track & & \\
\hline Required Course: & & \\
\hline SOS 323: Sustainable Urban Dynamics or SOS 465: Sustainable Urbanism & & \\
\hline Electives: & & \\
\hline ABS 260: Fundamentals of Sustainable Horticulture (SG) & & \\
\hline ABS 364: Urban Forestry & & \\
\hline ALA 100: Introduction to Environmental Design (HU \& H \& G) & & \\
\hline ASB 442: Global Cities (SB \& G) or SBS 460: Global Cities (SB \& G) & & \\
\hline CHE 469: Air Quality Engineering & & \\
\hline GCU 359: Cities of the World I (SB \& G \& H) & & \\
\hline GCU 360: Cities of the World II (SB \& G) & & \\
\hline
\end{tabular}
\begin{tabular}{|c|}
\hline GCU 361: Urban Geography (SB) \\
\hline GCU 425: Geography of the Mexican American Borderland ((L or SB) \& G) \\
\hline GCU 442: Geographical Analysis of Transportation (SB) \\
\hline POS 410: Governing American Cities (SB) \\
\hline POS 464: Border Cities: Action Research on Globalization (SB \& G) \\
\hline PUP 200: Cities in Cinema (HU \& H \& G) \\
\hline PUP 301: Introduction to Urban Planning (L) \\
\hline PUP 430: Transportation Planning and the Environment \\
\hline SBS 450: Migration \& Culture (SB \& G) \\
\hline \begin{tabular}{l}
SOS 414: Urban and Environmental Health \\
(SB) or ASM 414: Urban and Environmental \\
Health (SB) or SSH 414: Urban and \\
Environmental Health (SB)
\end{tabular} \\
\hline STS 325: Science, Technology, and Public Policy (SB) \\
\hline URB 220: Introduction to Urban America \\
\hline URB 240: Urban Policy (C) \\
\hline URB 300: Urban and Metropolitan Studies \\
\hline URB 301: Urban Research \\
\hline URB 302: Urban Theory \\
\hline URB 305: Urban Governance \\
\hline
\end{tabular}

\section*{Total Hours: 153}

Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Technological Entrepreneurship and Management, BS}

School/College: W. P. Carey School of Business Ira A. Fulton Schools of Engineering Location: Polytechnic campus
TSTEM2BS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. ASU 101-TPS: The ASU Experience & 1 & & \multirow[b]{3}{*}{\begin{tabular}{l}
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students. \\
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
\end{tabular}} \\
\hline (1) TMC 110: Understanding the Enterprise & 3 & C & \\
\hline CIS 105: Computer Applications and Information Technology (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & - ASU Mathematics Placement \\
\hline TEM 100: Seminar in Entrepreneurship & 1 & C & Assessment score determines placement \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \begin{tabular}{l}
in mathematics course \\
- Prep for success using the Freshman Guide.
\end{tabular} \\
\hline Term hours subtotal: & 14 & & - Explore engineering and technical professions. \\
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (\%) TEM 200: My Technology Venture & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline \multicolumn{3}{|l|}{4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 446-62 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Grade & Notes \\
\hline (1) ACC 241: Uses of Accounting Information II & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline 1 ( ECN 221: Business Statistics (CS) & 3 & C & \\
\hline TEM 250: Design Methodology & 3 & C & \\
\hline WPC 301: Business Forum OR TMC 300: Career Management & 1 & C & \\
\hline Focus Area & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline TMC 330: Leading the Enterprise OR MGT 300: Organization and Management Leadership & 3 & C \\
\hline FIN 300: Fundamentals of Finance & 3 & C \\
\hline FSE 301: Entrepreneurship and Value Creation & 3 & C \\
\hline TMC 310: Promotion of the Enterprise OR MKT 300: Marketing and Business Performance & 3 & C \\
\hline Upper Division Focus Area & 3 & C \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.
Term 6 77-92 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|}
\hline LES 305: Business Law and Ethics for Managers & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Elective & 1 & \\
\hline
\end{tabular}
- Students in this program select a primary focus area consisting of 9 hours of focused courses (minimum 6 of upper division). Sample focus areas are listed below. Additional focus areas may be available. Please check with your academic advisor.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{l} 
Focus Area: Innovation \& Operations \\
Management
\end{tabular} \\
\begin{tabular}{l} 
Focus Area: Social Entrepreneurship \\
OMT 343: Occupational Safety and \\
Ergonomics
\end{tabular} \\
\hline TEM 294: Social Entrepreneurship I \\
OMT 452: Industrial Human Resource \\
Management \\
OMT 480: Organizational Effectiveness
\end{tabular}

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Technological Entrepreneurship and Management, BS}

School/College: W. P. Carey School of Business Ira A. Fulton Schools of Engineering
Location: Online
TSTEM2BS
\begin{tabular}{|c|c|c|c|c|}
\hline Term 1-A 0-5 Credit Hours Critical course signified by \(\boldsymbol{y}^{4}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ASU 101-TPS: The ASU Experience 1
CIS 105: Computer Applications and Information Technology (CS)
OR EDT 180: Technology Literacy: Problem Solving using Digital
C Technology Applications (CS)

TEM 100: Seminar in Entrepreneurship
C
Term hours subtotal:

3

1
1

5
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students.
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in Mathematics course
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 5-14 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. TMC 110: Understanding the Enterprise & 3 & C & \multirow{4}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-A 14-23 Credit Hours & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow[b]{2}{*}{- Create aSun Devil CareerLink profile.} \\
\hline ECN 211: Macroeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
profile. \\
- Get involved with EPICS, the Generator Labs, and theFulton
\end{tabular} \\
\hline Term hours subtotal: & 9 & & Start-Up Center. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minim Grad & Notes \\
\hline (1. TEM 200: My Technology Venture & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{4}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 7} \\
\hline Term 3-A 30-39 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ACC 231: Uses of Accounting Information I
3 C
- Prep for success using the Sophomore Guide.
\begin{tabular}{|c|c|c|c|}
\hline (1. TEM 230: Creativity and Business Innovation & 3 & C & \multirow[t]{3}{*}{- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.} \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 3-B 39-46 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \multicolumn{4}{|l|}{1 - Complete TEM 100 course(s).} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 46-55 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 ECN 221: Business Statistics (CS) & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline TEM 250: Design Methodology & 3 & C & \\
\hline \multicolumn{3}{|l|}{Humanities, Arts and Design (HU) AND Histo} & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 4-B 55-62 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 1. ACC 241: Uses of Accounting Information II & 3 & C & \\
\hline TMC 300: Career Management & 1 & C & \\
\hline Focus Area & 3 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-A 62-71 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TMC 310: Promotion of the Enterprise OR MKT 300: Marketing and Business Performance & 3 & C & \begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization
\end{tabular} \\
\hline FIN 300: Fundamentals of Finance & 3 & C & competitions or professional societies. \\
\hline FSE 301: Entrepreneurship and Value Creation & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 5-B 71-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TMC 330: Leading the Enterprise OR MGT 300: Organization and Management Leadership & 3 & C & \\
\hline Upper Division Focus Area & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 77-83 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% TMC 320: Funding the Enterprise & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Research and prepare for graduate school \\
- Develop a professional profile online.
\end{tabular}} \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 83-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline TEM 431: Innovation Management OR TEM 330: Systems Innovation & 3 & C & \\
\hline TMC 410: Enterprise Operations & 3 & C & \\
\hline SCM 300: Global Supply Operations & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-A 92-101 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § TEM 400: Technology Entrepreneurship & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or practice interview.
\end{tabular}} \\
\hline TMC 430: Enterprise Strategy and Innovation & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-B 101-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
OMT 440: Introduction to International Business (G) OR ECN 306: \\
Survey of International Economics (SB \& G) OR MGT 302: Principles of International Business (G) OR MKT 425: Global Marketing \\
Management (G) OR SCM 463: Global Supply Chain Management (G)
\end{tabular}} & \\
\hline Upper Division Focus Area & 3 & C & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 8-A 107-113 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TMC 498: Pro-Seminar (L) OR TEM 482: Startup Workshop & 3 & C & \\
\hline \% MGT 430: Negotiations & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 8-B 113-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 1 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
- Students in this program select a primary focus area consisting of 9 hours of focused courses (minimum 6 of upper division). Sample focus areas are listed below. Additional focus areas may be available. Please check with your academic advisor.

Hide Course List(s)/Track Group(s)
Focus Area: Social Entrepreneurship
TEM 294: Social Entrepreneurship I
TEM 394: Social Entrepreneurship II
TEM 311: Opportunity Analysis

Focus Area: Innovation \& Operations Management

OMT 343: Occupational Safety and
Ergonomics
OMT 452: Industrial Human Resource
Management
Academic Catalog Archive 2018-2019
\begin{tabular}{l} 
TEM 330: Systems Innovation \\
TEM 431: Innovation Management \\
TEM 450: Design for the Developing World \\
OMT 480: Organizational Effectiveness \\
\hline TEM 481: Consulting Project \\
TEM 311: Opportunity Analysis \\
\hline TEM 482: Startup Workshop \\
AGB Elective \\
\hline TMC 480: Senior Project
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
ARSTDBSD
Term 10 - 16 Credit Hours Critical course signified by 4
4. ALA 100: Introduction to Environmental Design (HU \& H \& G)
OR ALA 102: Landscapes and Sustainability \((\mathrm{HU} \& \mathrm{G})\)


Complete First-Year Composition requirement.
Minimum 3.00 GPA ASU Cumulative.
Term hours subtotal: 14
\begin{tabular}{|c|c|c|c|}
\hline Term 44-60 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ALA 226: Design Fundamentals IV & 4 & C \\
\hline ATE 242: Introduction to Architectural Technology & 3 & C \\
\hline APH 314: History of Architecture II ((L or HU) \& G \& H) & 3 & C \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & \\
\hline
\end{tabular}
C
C..........
Complete an in person or virtual
practice interview

Complete PHY 101 course.
Minimum 3.00 GPA ASU Cumulative.
\begin{tabular}{|c|c|c|c|}
\hline Term hours subtotal: & \multicolumn{2}{|l|}{14} & \\
\hline Term 560-74 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ADE 321: Architectural Studio I & 5 & C & \multirow[t]{5}{*}{- Develop your skills} \\
\hline 3 ATE 361: Architectural Technology I & 3 & C & \\
\hline APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU \& H) & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Minimum 3.00 GPA ASU Cumulative.} & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 674-89 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § ADE 322: Architectural Studio II & 5 & C & \\
\hline I ATE 362: Architectural Technology II & 3 & C & \\
\hline APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU) & 3 & C & \\
\hline Elective & 4 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Minimum 3.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W ADE 421: Architectural Studio III & 5 & C & \multirow{6}{*}{- Gather professional references} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Design Professional Elective
\end{tabular} & 6 & C & \\
\hline Elective OR ARP 484: Internship & 3 & & \\
\hline Elective & 3 & & \\
\hline Minimum 3.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Hide Course List(s)/Track Group(s)
Design Professional Elective
ADE OR ANP OR APH OR AVC OR DSC
OR GRA OR HUD OR IND OR INT OR LAP
OR LDE OR LNP OR LPH OR LTC Upper
Division Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Art (Art Education), BFA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTEBFA
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline (1) ARA 101: ASU: The Art Experience & 1 & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design
\end{tabular} & 6 & C \\
\hline ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline Mathematics (MA) & 3 & \\
\hline Maintain 3.00 GPA in Art courses. & & \\
\hline Minimum 2.70 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent to First-Year Seminar required of all freshmen students
- ARA 101: The Art Experience is required of all freshman art majors only
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design
\end{tabular} & 6 & C & - Join a student club or professional organization \\
\hline ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline \multicolumn{4}{|l|}{!. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{4}{|l|}{Maintain 3.00 GPA in Art courses.} \\
\hline \multicolumn{4}{|l|}{Minimum 2.70 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 331-47 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline (1) ARE 250: Teaching Inquiry in Art & 3 & B- & \multirow[t]{4}{*}{\begin{tabular}{l}
- Minimum grade of B- or better in ARE 250 required for portfolio review. \\
- Teachers College requirement: GCU 113 recommended for students pursuing K-12 certification.
\end{tabular}} \\
\hline (1) 2D Art Course & 3 & C & \\
\hline Literacy and Critical Inquiry (L) AND Global Awareness (G) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) OR GCU 113: United States and & 3 & & - Network in your career interest area \\
\hline
\end{tabular}

Complete Mathematics (MA) requirement.
- Maintain 3.00 GPA in Art courses.
1. Minimum 2.70 GPA ASU Cumulative.

Complete First-Year Composition requirement.
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline (4) 2D or 3D Art Course & 3 & C \\
\hline (4) 3D Art Course & 3 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science General (SG) & 4 & \\
\hline
\end{tabular}

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR SPE 222: Orientation to Education of Exceptional 3 Children (SB \& C)
Upper Division Elective
3
Milestone: Submit BFA Declaration Form

(1.............................................................................

Complete Natural Science - Quantitative (SQ) OR Natural
1 Science - General (SG) course(s). (Teachers College requirement)
Milestone: Complete Art Education Proficiency Form with
advisor and have art education faculty mentor approve
proficiency coursework.
\begin{tabular}{|c|c|c|}
\hline Term hours subtotal: & \multicolumn{2}{|l|}{16} \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline ARE 370: Teaching Visual Culture & 3 & C \\
\hline ARE 446: Multicultural Issues in Art Education OR ARE 494: Special Topics & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Art Education Proficiency Course
\end{tabular} & 6 & C \\
\hline Upper Division Art History Asian/African/Native Am./Latin Am. Focus & 3 & C \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Upper Division Humanities, Arts and Design (HU) & 3 \\
\hline Upper Division Elective & 3 \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & \\
\hline
\end{tabular}

Term hours subtotal: 15

Am./Latin Am. Focus and one Modern course.
- Teachers College requirement: Students pursuing K-12 certification should meet with major advisor to discuss the remaining certification requirements and to properly plan their electives.
\(\begin{array}{l}\text { Term } 7 \text { 93-108 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{l} 
Notes
\end{tabular}
Term 8 108-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(|\)

Teachers College requirement: Students pursuing K-12 certification should meet with major advisor to discuss the remaining certification requirements and to properly plan their electives.
- Teachers College requirement: Students pursuing K-12 certification will take SED 496
- Apply for full-time career opportunities

\section*{2D or 3D Art Course}

ART 201: Photography I (HU)
ART 204: Photography II: Black and White
ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 216: Intermedia Practices

ART 217: Introduction to Computer
Animation

ART 218: 3D Tools

ART 227: Watercolor I
ART 231: Sculpture I
ART 253: Introduction to Printmaking
ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry
ART 274: Wood I

ART 276: Fibers I
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{Art History Asian/African/Native Am./Latin Am. Focus} & Art History Modern Focus \\
\hline & \\
\hline ARS 362: Pre-Columbian Art I (HU) & \\
\hline \multirow[t]{2}{*}{ARS 394: Anime} & ARS 340: Art in America (HU \& H) \\
\hline & ARS 345: Art and Television \\
\hline ARS 394: Egyptian Art and Culture & \\
\hline \multirow[t]{2}{*}{ARS 394: Islamic Art} & ARS 394: The Art of the Comic \\
\hline & ARS 434: Revolution to Realism in \\
\hline ARS 394: Mexican Art & 19th-Century Art (HU) \\
\hline ARS 402: Art of Ancient Egypt (HU \& H) & ARS 435: The Pre-Raphaelites \\
\hline ARS 444: Films of India & ARS 438: Art of the 20th Century I (HU \& H) \\
\hline ARS 465: Native Art of North America (HU \& C \& H) & ARS 439: Art of the 20th Century II (HU \& H) \\
\hline ARS 472: Art of China (HU) & ARS 440: Identity and World Film \\
\hline ARS 473: Art of Japan (HU) & ARS 442: Critical Issues in American Painting \\
\hline ARS 475: Chinese Painting (HU) & (HU) \\
\hline ARS 494: Art of the Aztec Empire & ARS 443: Artists in Film: Artists' Biopics \\
\hline  & ARS 485: Women in the Visual Arts (L) \\
\hline
\end{tabular}

Art Education Proficiency Courses (Requires approval; see Note in term 4)

ARA Elective
ARE Elective

ARS Elective

ART Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Art (Art History), BA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTHBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) ARA 101: ASU: The Art Experience & 1 & & \multirow[t]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ARA 101: The Art Experience is required of all freshman art majors. \\
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. \\
- Select your career interest and play me3@ASU.
\end{tabular}} \\
\hline 4. ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & B- & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & B- & \\
\hline Mathematics (MA) & 3 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{(1) Minimum 3.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline 4. ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & B- & - ASU Language Placement: Only true \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
(4. ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & B- & All other students are required to take a placement exam, regardless of prior credit earned. \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .
\end{tabular} & 4 & C & - Join a student club or professional organization. \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{(1) Minimum 3.00 GPA ASU Cumulative.} \\
\hline \multicolumn{4}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-43 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ARS 201: Art of Asia (HU \& H \& G) OR ARS 202: Art of Africa,
Oceania, and the Americas (HU \& H \& G) OR ARS 250: History of 3 C Photography (HU)

ARS Elective
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or

4
C equivalent), not including American Sign Language IV .

Complete Mathematics (MA) requirement.
- ARS Elective cannot be ARS 100 or ARS 300.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Network in your career interest area.

\begin{tabular}{|c|c|c|c|}
\hline Upper Division ARS course (HU) & & 3 & C \\
\hline Complete 2 courses: & & \multirow[b]{2}{*}{6} & \\
\hline Upper Division Elective & & & \\
\hline & Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Apply for full-time career opportunities.

Hide Course List(s)/Track Group(s)


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Art (Art History), BA}

School/College: Herberger Institute for Design and the Arts
Location: Online
FAARTHBA
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4. ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & B- & \multirow[t]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
\end{tabular}} \\
\hline ASU 101-HDA: The ASU Experience & 1 & & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & B- & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 1-B7-13 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4. ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & B- & \multirow[t]{3}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Play me3@ASU.
\end{tabular}} \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & B- & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ARS 201: Art of Asia (HU \& H \& G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU \& H \& G) OR ARS 250: History of Photography (HU) & 3 & C & \multirow[t]{3}{*}{- ASU Math Placement Assessment score determines placement in Mathematics course.} \\
\hline Mathematics (MA) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ARS 201: Art of Asia (HU \& H \& G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU \& H \& G) OR ARS 250: History of Photography (HU) & 3 & C & \multirow[t]{5}{*}{- Think about joining a club or civic group in your area of career interest.} \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & & \\
\hline (4) Minimum 3.00 GPA ASU Cumulative. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-A 25-32 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ARS Upper Division Elective & 3 & C & \multirow[b]{3}{*}{- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
\[
2300
\]} \\
\hline Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American SIgn Language. & 4 & C & \\
\hline Term hours subtotal: Academic Catalog A & \[
\begin{gathered}
7 \\
\text { chive } 2018
\end{gathered}
\] & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 32-39 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American SIgn Language. & 4 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. \\
- Career steps: Shadow someone in the job/career you are considering.
\end{tabular}} \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \multicolumn{3}{|l|}{(1) Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{(4) Complete First-Year Composition requirement.} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 39-46 Credit Hours Critical course signified by \({ }^{(6)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) ARA Elective OR ARE Elective OR APH Elective OR ART Elective & 3 & C & \multirow[b]{3}{*}{- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.} \\
\hline Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American SIgn Language. & 4 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-B 46-53 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
*Completion of a language course at the intermediate level (202 or equivalent), not including American SIgn Language.
\end{tabular} & 4 & C & - ASU Language Placement: Only true beginners are eligible for \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & 101-level courses. All other \\
\hline Term hours subtotal: & 7 & & \begin{tabular}{l}
students are required to take a placement exam, regardless of prior credit earned. \\
- Create a first draft resume
\end{tabular} \\
\hline Term 5-A 53-60 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Art History Ancient/Medieval Focus & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-B60-66 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Art History Asian/African/Native Am./Latin Am. Focus & 3 & C & \multirow[t]{3}{*}{- Explore internshipsin your area} \\
\hline ARA Elective OR ARE Elective OR APH Elective OR ART Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 66-72 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Art History Renaissance/Baroque Focus & 3 & C & \\
\hline ARS Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 72-79 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W Upper Division Art History Modern Focus & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \multirow[t]{2}{*}{- Use Handshake to research employment opportunities} \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 7-A 79-85 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ARS 480: Research Methods (L) & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 85-91 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ARA Elective OR ARE Elective OR APH Elective OR ART Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 91-97 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ARS Upper Division Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 97-103 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ARS 498: Pro-Seminar (L) & 3 & C & \multirow[t]{3}{*}{- ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 103-109 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division ARS course (HU) & 3 & C & \multirow{3}{*}{- Gather Professional references} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 109-115 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & - Apply for full-time career \\
\hline Term hours subtotal: & 6 & & opportunities \\
\hline Term 10-A 115-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division Elective & 3 & & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 5 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow[t]{2}{*}{Art History Asian/African/Native Am./Latin Am. Focus} & Art History Ancient/Medieval Focus & Art History Modern Focus \\
\hline & \multirow[t]{2}{*}{ARS 394: Art and Myth of the Classical World} & ARS 340: Art in America (HU \& H) \\
\hline ARS 394: Anime & & ARS 345: Art and Television \\
\hline ARS 394: Mexican Art & ARS 394: Egyptian Art and Culture & ARS 394: The Art of the Comic \\
\hline ARS 394: Islamic Art & ARS 394: Islamic Art & ARS 435: The Pre-Raphaelites \\
\hline \multirow[t]{3}{*}{ARS 472: Art of China (HU)} & ARS 402: Art of Ancient Egypt (HU \& H) & ARS 438: Art of the 20th Century I (HU \& H) \\
\hline & ARS 498: Greek Sculpture: Geometric through Hellenistic (L) & ARS 440: Identity and World Film \\
\hline & & ARS 485: Women in the Visual Arts (L) \\
\hline
\end{tabular}

Art History Renaissance/ Baroque Focus
ARS 330: The Portrait (HU)
ARS 394: Art of Italian Renaissance

ARS 498: The Renaissance Book: Graphics
(L)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Art (Art Studies), BA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTSTDBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
4. ARA 101: ASU: The Art Experience

1

\section*{Complete 2 courses:}
- ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media OR ART 115: 3-D Design

ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C ENG 107 or ENG 108: First-Year Composition
Mathematics (MA)
Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal:
16
6
C

3
C
3 C

C

- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ARA 101: The Art Experience is required of all freshman art majors only.
- All students wishing to major in one of the School of Art's Bachelor of Fine Arts degree programs are placed in the Bachelor of Arts in Art Studies degree program at the time of admission. Students wishing to pursue a BFA should follow the major map for their intended art concentration.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) Complete 2 courses: 2D or 3D Art Course & 6 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Students wishing to pursue a Bachelor of Fine Arts degree are required to submit the BFA Declaration Form to the School of Art after completing their core foundational courses and 200-level studio courses required for their specific BFA concentration: https://art.asu.edu/admissions/undergrad/applying/ \\
- ARA 240: Encounters with Contemporary Art is required for Art majors; course only offered in spring. \\
- Create a first draft resume \\
- Explore an internship
\end{tabular}} \\
\hline ARA 240: Encounters with Contemporary Art & 1 & C & \\
\hline \begin{tabular}{l}
Natural Science - Quantitative (SQ) OR Natural Science \\
- General (SG)
\end{tabular} & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \(\$\) ARA OR ARE OR ARS OR ART Elective & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Art Elective course cannot be ARA 311, ARS 100 or ARS 300. \\
- Work with academic advisor to develop performing arts and history of performance and related studies coursework plan. \\
- If interested in Animation, please refer to possible Animation related electives for art, performing arts, and art related coursework options. \\
- Use Handshake to research employment opportunities
\end{tabular}} \\
\hline ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU) & 3 & C & \\
\hline ARS Upper Division Elective & 3 & C & \\
\hline Upper Division Related Studies Elective & 3 & C & \\
\hline Performing Arts Elective & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
Term 6 78-90 Credit Hours Necessary course signified by

Term hours subtotal:
12
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W Upper Division Related Studies Elective & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- Art Upper Division Elective course cannot be ARA 311 or ARS 300. \\
- If interested in Animation, please refer to possible Animation related electives for art, performing arts, and art related coursework options. \\
- Gather professional references
\end{tabular}} \\
\hline ARA OR ARE OR ARS OR ART Upper Division Elective & 3 & C & \\
\hline Upper Division Performing Arts Elective & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ARA OR ARE OR ARS OR ART Upper Division Elective & 3 & C & \multirow[b]{2}{*}{- Art Upper Division Elective course cannot be ARA 311 or ARS 300.} \\
\hline Upper Division Performing Arts Elective & 3 & C & \\
\hline Academic Catalo & chive & 18-2019 & 2305 \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
2D Art Course
ART 201: Photography I (HU)
ART 204: Photography II: Black and White
ART 205: Photography II: Color
ART 211: Drawing II
ART 214: Life Drawing I
ART 223: Painting I
ART 227: Watercolor I
ART 253: Introduction to Printmaking
Performing Arts Electives
DCE Elective
FMP Elective
MHL Elective
MTC Elective
MUE Elective
MUP Elective
MUS Elective
THE Elective
THF Elective
THP Elective
3D Art Course
ART 216: Intermedia Practices
ART 217: Introduction to Computer
Animation
ART 218: 3D Tools
ART 231: Sculpture I
ART 261: Ceramic Survey
ART 272: Introduction to Metals and Jewelry
ART 274: Wood I
ART 276: Fibers I

Upper Division Related Area

Choose a course related to art outside of the School of Art from the subjects below:

African/ African American Studies

American Indian Studies

Anthropology
Asian American Pacific Studies

Design Studies
History
Humanities - any upper division course with HU designation

Literacy - any upper division course with L designation
Academic Catalog Archive 2018-2019
- If interested in Animation, please refer to possible Animation related electives for art, performing arts, and art related coursework options.
- Apply for full-time career opportunities

\section*{2D or 3D Art Course}

\section*{ART 201: Photography I (HU)}

ART 204: Photography II: Black and White
ART 205: Photography II: Color
ART 211: Drawing II
ART 214: Life Drawing I
ART 216: Intermedia Practices
ART 217: Introduction to Computer Animation

ART 218: 3D Tools
ART 223: Painting I
ART 227: Watercolor I

ART 231: Sculpture I

ART 253: Introduction to Printmaking

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

Suggested Animation and related courses
ART 346: 3-D Computer Imaging and Animation (CS)

ART 348: Animation Motion Studies

ART 394: 2-D Computer Animation

ART 428: Video and Sound as Sculptural Materials

ART 438: Moving and Interactive Systems in Sculpture

ART 440: Experimental Video Art

ART 494: Documentary Video Art

ART 494: Visual Prototyping

DCE 240: Media for Dance (CS)
Religious Studies
Transborder Chicana/o \& Latina/o Studies
Women's Studies
AFR OR AIS OR APA OR ASB OR FMS OR
HST OR REL OR TCL OR WST Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Art (Ceramics), BFA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTCBFA


\begin{tabular}{|c|c|c|c|}
\hline Term 447-61 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4)2D or 3D Art Course & 3 & C & \multirow[b]{4}{*}{- Students are required to submit the BFA Declaration Form to the School of Art after completing their core foundational courses and 200-level studio courses required for their specific BFA concentration: https://art.asu.edu/admissions/undergrad/applying/} \\
\hline (4) 3D Art Course & 3 & C & \\
\hline ARA 240: Encounters with Contemporary Art & 1 & C & \\
\hline \begin{tabular}{l}
Natural Science - Quantitative (SQ) OR Natural Science - \\
General (SG)
\end{tabular} & 4 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & - ARA 240: Encounters with Contemporary Art is required for BFA majors; course only offered in \\
\hline \multicolumn{3}{|l|}{4. Milestone: Submit BFA Declaration Form} & - Spring. \({ }_{\text {- Gather documentation of your past work for future }}\) \\
\hline \multicolumn{3}{|l|}{(4) Maintain 3.00 GPA in Art courses.} & portfolio. \\
\hline inimum 2.70 GPA ASU Cumulative. & & & - Explore internships. \\
\hline
\end{tabular}

Term hours subtotal: 14
\begin{tabular}{|c|c|c|c|}
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 6 \text { 76 - } 91 \text { Credit Hours Necessary course signified by } \\ \text { ART 466: Special Problems in Ceramics }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\)

ARA 396: Professional Practices for Design and the Arts OR ARA
484: Internship OR ARA 489: Writing Art and Design Criticism OR 3 ARS 456: Introduction to Museums OR ARS 484: Internship Complete 2 courses:
Upper Division Ceramics Art Elective
\begin{tabular}{|c|c|c|}
\hline ARA OR ARE OR ARS OR ART Upper Division Elective & 3 & C \\
\hline Elective & 3 & \\
\hline
\end{tabular}

Term hours subtotal: 15
- Art Upper Division Elective courses cannot be ARA 311 or ARS 300.
- Gather professional references.

\begin{tabular}{ll} 
ARS 472: Art of China (HU) & ARS 440: Identity and World Film \\
ARS 473: Art of Japan (HU) & \begin{tabular}{l} 
ARS 442: Critical Issues in American Painting \\
(HU)
\end{tabular} \\
\begin{tabular}{ll} 
ARS 475: Chinese Painting (HU) & ARS 443: Artists in Film: Artists' Biopics
\end{tabular} \\
ARS 494: Art of the Aztec Empire & ARS 485: Women in the Visual Arts (L)
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Art (Digital Photography), BFA
School/College: Herberger Institute for Design and the Arts
Location: Online
HIARTDPBFA
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ART 206: Digital Photography I: The Still Image in Digital Culture & 3 & C & \multirow[b]{2}{*}{- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into} \\
\hline ASU 101-HDA: The ASU Experience & 1 & & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year & & & first-year composition courses \\
\hline Composition OR ENG 105: Advanced First-Year Composition OR & 3 & C & - ASU 101 or college-specific equivalent \\
\hline ENG 107: First-Year Composition or ENG 108: First-Year & 3 & c & First-Year Seminar required of all \\
\hline Composition & & & freshman students \\
\hline Term hours subtotal: & 7 & & - Mathematics Placement Assessment score determines placement in mathematics course. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ART 207: Digital Photography II: The Photograph in the Age of Information & 3 & C & - View ASU Online first-time freshman \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & - Play me3@ASU. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 13-19 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & C & \\
\hline Mathematics (MA) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & C & - Career planning tip: Think about joining a \\
\hline ART 217: Introduction to Computer Animation & 3 & C & interest. \\
\hline
\end{tabular}

\section*{- Complete ENG 101 OR ENG 105 OR ENG 107 course(s).}

Term hours subtotal:
6
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 25-31 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ARS 250: History of Photography (HU) & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-B 31-37 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Upper Division Related Area & 3 & C & \multirow[t]{2}{*}{- Visit Career Services for career advising, webinars, career postings and a Career Guide.} \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 81-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Photography Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 1 Upper Division Photography Elective & 3 & C & \multirow[t]{3}{*}{- Gather professional references.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 93-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 1 Upper Division Photography Elective & 3 & C & \multirow[t]{3}{*}{- Begin planning for your Photography Capstone by talking with your faculty.} \\
\hline Upper Division ARS Modern Focus AND Upper Division Humanities, Arts and Design (HU) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 3 Upper Division Photography Elective & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ART 407: Digital Photography Capstone & 3 & C & \\
\hline Upper Division Related Area & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 3} \\
\hline
\end{tabular}

\section*{Hide Course List(s)/Track Group(s)}
\begin{tabular}{|l|l|l}
\hline Related Area Course & Upper Division ARS Modern Focus & Upper Division Photography Elective \\
\hline FMS 351: Emerging Digital Media & ARS 330: The Portrait (HU) & \\
\hline Academic Catalog Archive 2018-2019 & 2314
\end{tabular}

MCO 425: Digital Media Literacy I
ARS 340: Art in America (HU \& H)
MCO 430: International Mass Communication (G)

MCO 435: Social Media
MCO 460: Race, Gender, and Media (C)
MCO 473: Sex, Love, and Romance in the Mass Media (SB)

ART 300: Photo Editing
Narrative/Non-Narrative

ART 302: The Still and Moving Image:
Digital Photography and Video
ART 400: The Photobook

ART 402: Traditional Genres in Photography

ART 406: New Genres in Digital Photography

ART 412: Advanced Techniques in Digital Photography

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Art (Drawing), BFA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTDBFA

\begin{tabular}{|c|c|c|c|}
\hline Complete First-Year Composition requirement. & & & \\
\hline \multicolumn{2}{|l|}{Term hours subtotal:} & 15 & \\
\hline Term 446-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) 2D or 3D Art Course & 3 & C & \multirow[b]{3}{*}{- Students are required to submit the BFA Declaration Form to the School of Art after completing their core foundational courses and} \\
\hline (4) 3D Art Course & 3 & C & \\
\hline ARA 240: Encounters with Contemporary Art & 1 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & BFA concentration: \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & https://art.asu.edu/admissions/undergrad/applying/ \\
\hline (4) Milestone: Submit BFA Declaration Form & & & - ARA 240: Encounters with Contemporary Art is required for BFA majors; course only offered in \\
\hline (4) Maintain 3.00 GPA in Art courses. & & & spring. \\
\hline (1) Minimum 2.70 GPA ASU Cumulative. & & & - Faculty recommend Drawing students take ART 223 Painting I to fulfill 2D or 3D Art Course. \\
\hline Term hours subtotal: & 14 & & \begin{tabular}{l}
- Gather documentation of your past work for your future portfolio. \\
- Explore an internship
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ART 311: Drawing III & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Art Upper Division Elective cannot be ARA 311 or ARS 300. \\
- ARS Upper Division Elective cannot be ARS 300. \\
- Use Handshake to research employment opportunities.
\end{tabular}} \\
\hline ART 314: Life Drawing II & 3 & C & \\
\hline Upper Division Art History Asian/African/Native Am./Latin Am. Focus & 3 & C & \\
\hline ARA OR ARE OR ARS OR ART Upper Division Elective & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 6 76-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


ARA 396: Professional Practices for Design and the Arts OR ARA 484:
Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship

Complete 2 courses:
3
C

Upper Division Drawing Elective
6 C
C
Art Upper Division Elective cannot be ARA 311 or ARS 300.
- ARS Upper Division Elective cannot be ARS 300.

Term 791-106 Credit Hours Necessary course signified by


- Students must complete 9 hours of ARS coursework (not from ARS 100 or ARS 300); must include 6 hours upper division hours, one Asian/African/Native Am./Latin Am Focus course, and one 20th Century Focus course. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, the 20th-century and elective must be upper division and one must include an HU general studies designation.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline 3D Art Course & 2D or 3D Art Course & Upper Division Drawing Elective \\
\hline ART 216: Intermedia Practices & ART 201: Photography I (HU) & ART 323: Painting II \\
\hline \multirow[t]{2}{*}{ART 217: Introduction to Computer Animation} & ART 204: Photography II: Black and White & ART 325: Figure Painting \\
\hline & ART 205: Photography II: Color & ART 327: Watercolor II \\
\hline \multirow[t]{2}{*}{ART 218: 3D Tools} & \multirow[b]{2}{*}{ART 216: Intermedia Practices} & \multirow[b]{3}{*}{ART 351: Intaglio I or ART 352: Lithography I or ART 459: Monoprinting} \\
\hline & & \\
\hline ART 231: Sculpture I & \multirow[b]{2}{*}{ART 217: Introduction to Computer Animation} & \\
\hline ART 261: Ceramic Survey & & ART 411: Drawing IV \\
\hline ART 272: Introduction to Metals and Jewelry & ART 218: 3D Tools & ART 414: Life Drawing III \\
\hline ART 274: Wood I & ART 223: Painting I & ART 427: Art on Paper \\
\hline \multirow[t]{7}{*}{ART 276: Fibers I} & ART 227: Watercolor I & ART 494: Special Topics \\
\hline & ART 231: Sculpture I & ART 498: BFA Studio Seminar (L) \\
\hline & ART 253: Introduction to Printmaking & ART 499: Individualized Instruction \\
\hline & ART 261: Ceramic Survey & \\
\hline & ART 272: Introduction to Metals and Jewelry & \\
\hline & ART 274: Wood I & \\
\hline & ART 276: Fibers I & \\
\hline \multirow[t]{2}{*}{Art History Asian/African/Native Am./Latin Am. Focus} & Art History Modern Focus & \\
\hline & ARS 330: The Portrait (HU) & \\
\hline ARS 362: Pre-Columbian Art I (HU) & \multirow{2}{*}{ARS 340: Art in America (HU \& H)} & \\
\hline ARS 394: Anime & & \\
\hline ARS 394: Egyptian Art and Culture & ARS 345: Art and Television & \\
\hline \multirow[t]{2}{*}{ARS 394: Islamic Art} & ARS 394: The Art of the Comic & \\
\hline & Academic Catalog Archive 2018-2019 & 2318 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline ARS 394: Mexican Art & \multirow[t]{2}{*}{ARS 434: Revolution to Realism in 19th-Century Art (HU)} \\
\hline & \\
\hline & \multirow[t]{2}{*}{ARS 435: The Pre-Raphaelites} \\
\hline ARS 444: Films of India & \\
\hline ARS 465: Native Art of North America (HU & ARS 438: Art of the 20th Century I (HU \& H) \\
\hline \& C \& H) & \multirow[t]{2}{*}{ARS 439: Art of the 20th Century II (HU \& H)} \\
\hline ARS 472: Art of China (HU) & \\
\hline & ARS 440: Identity and World Film \\
\hline ARS 473: Art of Japan (HU) & \multirow[b]{2}{*}{ARS 442: Critical Issues in American Painting (HU)} \\
\hline ARS 475: Chinese Painting (HU) & \\
\hline ARS 494: Art of the Aztec Empire & ARS 443: Artists in Film: Artists' Biopics \\
\hline ARS 494: Art of the Inka and their Ancestors & ARS 485: Women in the Visual Arts (L) \\
\hline
\end{tabular}
Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Art (Fibers), BFA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTFBFA

\begin{tabular}{|c|c|c|c|}
\hline Term 44-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1) 3D Art Course & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- Students are required to submit the BFA Declaration Form to the School of Art after completing their core foundational courses and 200-level studio courses required for their specific BFA concentration: https://art.asu.edu/admissions/undergrad/applying/ \\
- ARA 240: Encounters with Contemporary Art is required for BFA majors; course only offered in spring. \\
- Gather documentation of your past works for your future portfolio. \\
- Explore an internship.
\end{tabular}} \\
\hline ARA 240: Encounters with Contemporary Art & 1 & C & \\
\hline ART 376: Weaving and Dyeing OR ART 377: Surface to Form & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science General (SG) & 4 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline  & & \(\ldots\) & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline W ART 376: Weaving and Dyeing OR ART 377: Surface to Form & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- ARS Upper Division Elective cannot be ARS 300. \\
- ART 376 only offered in the Fall semester. \\
- Use Handshake to research employment opportunities.
\end{tabular}} \\
\hline 2D or 3D Art Course & 3 & C & \\
\hline Upper Division Art History Asian/African/Native Am./Latin Am. Focus & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
Complete 2 courses:
Upper Division Fibers Elective
- Art Upper Division Elective course cannot be ARA 311 or ARS 300.
- ARS Upper Division Elective cannot be ARS 300.
\begin{tabular}{|c|c|c|c|}
\hline Term 7 91-105 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ARA 396: Professional Practices for Design and the Arts OR ARA 484: Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Art Upper Division Elective course cannot be ARA 311 or ARS 300. \\
- Gather professional references.
\end{tabular}} \\
\hline \begin{tabular}{l}
\(\leadsto\) Complete 2 courses: \\
Upper Division Fibers Elective
\end{tabular} & 6 & C & \\
\hline ARA OR ARE OR ARS OR ART Upper Division Elective & 3 & C & \\
\hline Elective & 2 & & \\
\hline Term hours subtot & 14 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline Upper Division Fibers Elective & 3 & C \\
\hline ARA OR ARE OR ARS OR ART Upper Division Elective & 3 & C \\
\hline ARA OR ARE OR ARS OR ART Elective & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & \\
\hline Term hour & 5 & \\
\hline
\end{tabular}
- Art Elective course cannot be ARA 311, ARS 100 or ARS 300.
- Complete ART 482 Senior Exhibition and finalize portfolio.
- Students must complete 6 hours of upper division ARS coursework (not from ARS 300); Must include one Asian/African/Native Am./Latin Am. Focus course and one 20th Century Focus course.
\begin{tabular}{|c|c|c|}
\hline 2D Art Course & 3D Art Course & 2D or 3D Art Course \\
\hline ART 201: Photography I (HU) & ART 216: Intermedia Practices & ART 201: Photography I (HU) \\
\hline ART 204: Photography II: Black and White & \multirow[t]{2}{*}{ART 217: Introduction to Computer Animation} & ART 204: Photography II: Black and White \\
\hline ART 205: Photography II: Color & & ART 205: Photography II: Color \\
\hline ART 211: Drawing II & ART 218: 3D Tools & ART 211: Drawing II \\
\hline ART 214: Life Drawing I & ART 231: Sculpture I & ART 214: Life Drawing I \\
\hline ART 223: Painting I & ART 261: Ceramic Survey & ART 216: Intermedia Practices \\
\hline ART 227: Watercolor I & ART 272: Introduction to Metals and Jewelry & ART 217: Introduction to Computer \\
\hline T 253. Introduction to Print & ART 274: Wood I & Animation \\
\hline & & ART 218: 3D Tools \\
\hline & & ART 223: Painting I \\
\hline & & ART 227: Watercolor I \\
\hline & & ART 231: Sculpture I \\
\hline & & ART 253: Introduction to Printmaking \\
\hline & & ART 261: Ceramic Survey \\
\hline & & ART 272: Introduction to Metals and Jewelry \\
\hline & & ART 274: Wood I \\
\hline Upper Division Fibers Elective & \multirow[t]{2}{*}{Art History Asian/African/Native Am./Latin Am. Focus} & Art History Modern Focus \\
\hline ART 476: Advanced Textile Construction & & ARS 330: The Portrait (HU) \\
\hline ART 477: Printed Textiles & ARS 362: Pre-Columbian Art I (HU) & ARS 340: Art in America (HU \& H) \\
\hline ART 478: Advanced Surface to Form & ARS 394: Anime & ARS 345: Art and Television \\
\hline ART 479: 3-D Fibers: Construction and & ARS 394: Egyptian Art and Culture & ARS 394: The Art of the Comic \\
\hline Content & ARS 394: Islamic Art & \multirow[b]{2}{*}{ARS 434: Revolution to Realism in 19th-Century Art (HU)} \\
\hline ART 494: Digital Fibers & ARS 394: Mexican Art & \\
\hline ART 494: Special Topics & ARS 402: Art of Ancient Egypt (HU \& H) & ARS 435: The Pre-Raphaelites \\
\hline ART 499: Individualized Instruction & ARS 444: Films of India & ARS 438: Art of the 20th Century I (HU \& H) \\
\hline
\end{tabular}
\begin{tabular}{l} 
ARS 465: Native Art of North America (HU \\
\& C \& H)
\end{tabular}
\begin{tabular}{l} 
ARS 439: Art of the 20th Century II (HU \& \\
H)
\end{tabular}
\begin{tabular}{ll} 
ARS 472: Art of China (HU) Art of Japan (HU) & ARS 440: Identity and World Film
\end{tabular}
\begin{tabular}{ll} 
ARS 475: Chinese Painting (HU) & ARS 442: Critical Issues in American Painting \\
(HU)
\end{tabular}
ARS 494: Art of the Aztec Empire \begin{tabular}{l} 
ARS 443: Artists in Film: Artists' Biopics
\end{tabular}

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Art (Intermedia), BFA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTIBFA
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (4) ARA 101: ASU: The Art Experience & 1 & \\
\hline (4) ART 111: Drawing I & 3 & C \\
\hline (4) ART 116: Introduction to Digital Media & 3 & C \\
\hline ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline Mathematics (MA) & 3 & \\
\hline Maintain 3.00 GPA in Art courses. & & \\
\hline Minimum 2.70 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}

\section*{Term 2 16-31 Credit Hours Critical course signified by (1) Hours \(\quad\) Minimum \\ Term 216-31 Credit Hours Critical course signified by \(\quad\) Hours Grade}

Notes
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ARA 101: The Art Experience is required of all freshman art majors only.
- Select your career interest area and play me3@ASU.

\section*{Complete 2 courses:}

ART 112: 2-D Design OR ART 115: 3-D Design OR ART 216: Intermedia Practices

ARS 201: Art of Asia (HU \& H \& G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU \& H \& G)

3
C

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
C
ENG 107 or ENG 108: First-Year Composition Computer/Statistics/Quantitative Applications (CS) 3
!. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Maintain 3.00 GPA in Art courses.
Minimum 2.70 GPA ASU Cumulative.
Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 331-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (4. ART 112: 2-D Design OR ART 115: 3-D Design OR ART 216: Intermedia Practices & 3 & C \\
\hline (4) 2D Art Course & 3 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S \\
(C)
\end{tabular} & 3 & \\
\hline \multicolumn{3}{|l|}{(4) Complete Mathematics (MA) requirement.} \\
\hline (4) Maintain 3.00 GPA in Art courses. & & \\
\hline
\end{tabular}
- ART 216 recommended for Intermedia majors in term 2 and must be completed by term 3 .
- Join a student club or professional organization.

\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Elective 3} & \\
\hline Term hours subtotal & 16 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ART 482: Senior Exhibitions/Portfolio & 3 & C & \multirow[t]{3}{*}{- Complete ART 482 Senior Exhibition and finalize portfolio.} \\
\hline ARA OR ARE OR ARS OR ART Upper Division Elective & 3 & C & \\
\hline Upper Division Intermedia Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 12} & \\
\hline
\end{tabular}
- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); Must include 6 hours upper division, one Asian/African/Native Am./Latin Am. Focus course and one 20th Century Focus course. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, the 20th Century Focus course and elective must be upper division and one must include an HU general studies designation.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline 2D Art Course & 3D Art Course & 2D or 3D Art Course \\
\hline ART 201: Photography I (HU) & \multirow[t]{2}{*}{ART 217: Introduction to Computer Animation} & ART 201: Photography I (HU) \\
\hline ART 204: Photography II: Black and White & & ART 204: Photography II: Black and White \\
\hline ART 205: Photography II: Color & ART 218: 3D Tools & ART 205: Photography II: Color \\
\hline ART 211: Drawing II & ART 231: Sculpture I & ART 211: Drawing II \\
\hline ART 214: Life Drawing I & ART 261: Ceramic Survey & ART 214: Life Drawing I \\
\hline ART 223: Painting I & ART 272: Introduction to Metals and Jewelry & ART 217: Introduction to Computer \\
\hline ART 227: Watercolor I & ART 274: Wood I & Animation \\
\hline \multirow[t]{9}{*}{ART 253: Introduction to Printmaking} & ART 276: Fibers I & ART 218: 3D Tools \\
\hline & & ART 223: Painting I \\
\hline & & ART 227: Watercolor I \\
\hline & & ART 231: Sculpture I \\
\hline & & ART 253: Introduction to Printmaking \\
\hline & & ART 261: Ceramic Survey \\
\hline & & ART 272: Introduction to Metals and Jewelry \\
\hline & & ART 274: Wood I \\
\hline & & ART 276: Fibers I \\
\hline Upper Division Intermedia Elective & \multirow[t]{2}{*}{Art History Asian/African/Native Am./Latin Am. Focus} & Art History Modern Focus \\
\hline \multirow[t]{2}{*}{ART 346: 3-D Computer Imaging and Animation (CS)} & & ARS 330: The Portrait (HU) \\
\hline & ARS 362: Pre-Columbian Art I (HU) & ARS 340: Art in America (HU \& H) \\
\hline ART 348: Animation Motion Studies & ARS 394: Anime &  \\
\hline ART 394: 2-D Computer Animation & ARS 394: Egyptian Art and Culture &  \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ART 442: Art and Community & ARS 394: Islamic Art & \multirow[t]{2}{*}{ARS 434: Revolution to Realism in 19th-Century Art (HU)} \\
\hline ART 494: Documentary Video Art & ARS 394: Mexican Art & \\
\hline ART 494: Visual Prototyping & ARS 402: Art of Ancient Egypt (HU \& H) & ARS 435: The Pre-Raphaelites \\
\hline & & \multirow[t]{2}{*}{ARS 438: Art of the 20th Century I (HU \& H)} \\
\hline ART 494: Women/Art/Technology & ARS 444: Films of India & \\
\hline & ARS 465: Native Art of North America (HU \& C \& H) & ARS 439: Art of the 20th Century II (HU \& H) \\
\hline & ARS 472: Art of China (HU) & ARS 440: Identity and World Film \\
\hline & ARS 473: Art of Japan (HU) & ARS 442: Critical Issues in American Painting (HU) \\
\hline & ARS 475: Chinese Painting (HU) & ARS 443: Artists in Film: Artists' Biopics \\
\hline & ARS 494: Art of the Aztec Empire & ARS 485: Women in the Visual Arts (L) \\
\hline & ARS 494: Art of the Inka and their Ancestors & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Art (Museum Studies), BA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTMSBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-17 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) ARA 101: ASU: The Art Experience & 1 & & \multirow[b]{8}{*}{\begin{tabular}{l}
- SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Test required. \\
- ASU Language Placement: All students are required to take a placement exam, regardless of prior credit earned. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline 4. ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & B- & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & B- & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Mathematics (MA) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 3.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 217-33 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4. ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & B- & \multirow[t]{8}{*}{\begin{tabular}{l}
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & B- & \\
\hline Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV. & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \multicolumn{3}{|l|}{(1) Minimum 3.00 GPA ASU Cumulative.} & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 333-47 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ARS 201: Art of Asia (HU \& H \& G) OR ARS 202: Art of Africa, Oceania, and the Americas ( HU \& H \& G) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. \\
- Network in your career interest area.
\end{tabular}} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Lower Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{(1) Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 3.00 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|r|}{Academic Catalog Archive 2018-2019} & 2328 \\
\hline
\end{tabular}

\section*{Complete First-Year Composition requirement.}

Term hours subtotal:
14
\begin{tabular}{|c|c|c|c|}
\hline Term 47-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.

ARA 240: Encounters with Contemporary Art 1
ARS 201: Art of Asia (HU \& H \& G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU \& H \& G)

Natural Science - General (SG) OR Natural Science - Quantitative (SQ)

Lower Division Elective \(\qquad\)
Term hours subtotal: 14
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Create a first draft resume.
- Explore an internship.
Term 561 - 76 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
- Related Area Course: complete 9 hours: see list. These courses provide a range of potentially useful information for museum studies majors. The School of Art recommends selecting at least 6 hours from upper division options. All course substitutions must be approved by the School of Art.
- Use Handshake to research employment opportunities.
Term 6 76 91 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|}
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Grade \\
\hline ARS 484: Internship & 3 & C \\
\hline Upper Division Art History Modern Focus & 3 & C \\
\hline Related Area Course & 3 & C \\
\hline Upper Division Elective & 3 & \\
\hline Lower Division Elective & 2 & \\
\hline Term hours sub & 14 & \\
\hline
\end{tabular}
- Apply for full-time career opportunities.
- Related Area Course: complete 9 hours: see list. These courses provide a range of potentially useful information for museum studies majors. The School of Art recommends selecting at least 6 hours from upper division options. All course substitutions must be approved by the School of Art.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Art History Ancient/Medieval Focus & Art History Modern Focus & Art History Renaissance/ Baroque Focus \\
\hline ARS 394: Akhenaten and His Time & ARS 330: The Portrait (HU) & ARS 310: The Renaissance in Tuscany \\
\hline \multirow[t]{2}{*}{ARS 394: Art and Myth of the Classical World} & ARS 340: Art in America (HU \& H) & ARS 330: The Portrait (HU) \\
\hline & ARS 345: Art and Television & ARS 394: Art of Italian Renaissance \\
\hline ARS 394: Egyptian Art and Culture & A & \\
\hline ARS 394: Greek Myth in Western Art & & \\
\hline ARS 394: Islamic Art & ARS 434: Revolution to Realism in 19th-Century Art (HU) & ARS 418: German Renaissance and Reformation Art (HU) \\
\hline ARS 402: Art of Ancient Egypt (HU \& H) & ARS 435: The Pre-Raphaelites & \multirow[t]{2}{*}{ARS 422: Italian High Renaissance Art and Mannerism (HU)} \\
\hline ARS 404: Greek Art (HU \& H) & ARS 438: Art of the 20th Century I (HU \& H) & \\
\hline ARS 406: Roman Art (HU \& H) & ARS 439: Art of the 20th Century II (HU \& & ARS 424: Italian Baroque Art (HU \& H) \\
\hline \multirow[b]{2}{*}{ARS 414: Monasteries, Madonnas and Manuscripts (HU \& H)} & & ARS 498: Animals and Art Med Ren (L) \\
\hline & ARS 440: Identity and World Film & \\
\hline \multirow[t]{4}{*}{ARS 498: Animals and Art Med Ren (L), Gender Issues in Greek Art (L), Pompeii \& Herculaneum (L), Tutankahmen \& His Times (L)} & ARS 442: Critical Issues in American Painting (HU) & \\
\hline & ARS 443: Artists in Film: Artists' Biopics & \\
\hline & ARS 485: Women in the Visual Arts (L) & \\
\hline & ARS 498: Art \& Technology (L), Art \& the Cold War (L), Art and Money (L), Fakes and Forgeries in Art (L), Self, Trauma, and Affect in Art (L), Surrealism \& Ethnography (L), Theories Modern Sculpture (L), Visual Culture Studies (L) & \\
\hline Introduction to Museums & Related Area Courses & \\
\hline ARA 394: Museum Educators & ACC 382: Accounting and Financial Analysis & \\
\hline \multirow[t]{3}{*}{ARS 456: Introduction to Museums} & ARA 396: Professional Practices for Design and the Arts & \\
\hline & MKT 395: Essentials of Advertising and Marketing Communication & \\
\hline & Academic Catalog Archive 2018-2019 & 2330 \\
\hline
\end{tabular}
\begin{tabular}{|c|}
\hline NLM 220: Introduction to Nonprofit Organizations \\
\hline NLM 300: Fund Raising and Resource Development \\
\hline NLM 310: Volunteer Management \\
\hline NLM 430: Managing Nonprofit Organizations (L) \\
\hline PAF 300: Public Management and Administration \\
\hline PAF 340: Contemporary Policy Challenges \\
\hline PAF 420: Public Leadership \\
\hline PRM 120: Leisure and the Quality of Life (SB) \\
\hline PRM 210: Leisure Delivery Systems \\
\hline PRM 486: Special Events Management \\
\hline TDM 205: Introduction to Travel and Tourism (G) \\
\hline TDM 345: Meeting and Convention Planning \\
\hline TDM 350: Tourism, Recreation and Sports Marketing \\
\hline TDM 386: Convention Sales and Management \\
\hline TDM 448: Heritage and Cultural Tourism \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Art (Painting), BFA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTPABFA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
4. ARA 101: ASU: The Art Experience
(4) ART 111: Drawing I
(4. ART 113: Color
ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR
ARS 102: Art from Renaissance to Modernism (HU \& H)
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Mathematics (MA)
Maintain 3.00 GPA in Art courses.
Minimum 2.70 GPA ASU Cumulative.

Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (1) ART 112: 2-D Design OR ART 115: 3-D Design & 3 & C \\
\hline (\%) ART 223: Painting I & 3 & C \\
\hline ARS 201: Art of Asia (HU \& H \& G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU \& H \& G) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline
\end{tabular} ENG 107 or ENG 108: First-Year Composition Computer/Statistics/Quantitative Applications (CS)

3
1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Maintain 3.00 GPA in Art courses.
Minimum 2.70 GPA ASU Cumulative.
Term hours subtotal:
15

Term 4 46 62 Credit Hours Critical course signified by
2D or 3D Art Course
3D Art Course
\begin{tabular}{|c|c|c|c|}
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ART 327: Watercolor II OR ART 325: Figure Painting & 3 & C & \multirow[t]{7}{*}{- ART or ARS Upper Division Elective cannot be ARA 311 or ARS 300.} \\
\hline ART 423: Painting III & 3 & C & \\
\hline ARA OR ARE OR ARS OR ART Upper Division Elective & 3 & C & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 2 & & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
ARA 396: Professional Practices for Design and the Arts OR ARA 484:
Internship OR ARA 489: Writing Art and Design Criticism OR ARS 3 456: Introduction to Museums OR ARS 484: Internship
ARA OR ARE OR ARS OR ART Upper Division Elective 3
Complete 2 courses:
Upper Division Painting Elective
- Art Upper Division Elective cannot be ARA 311 or ARS 300.
- Gather professional references

- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); must include 6 hours upper division, one Asian/African/Native Am./Latin Am. Focus course, and one 20th Century Focus course. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, the 20th Century Focus course and elective must be upper division and one must include an HU general studies designation.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline 3D Art Course & 2D or 3D Art Course & Painting Elective \\
\hline ART 216: Intermedia Practices & ART 201: Photography I (HU) & ART 325: Figure Painting \\
\hline ART 217: Introduction to Computer & ART 204: Photography II: Black and White & ART 327: Watercolor II \\
\hline Animation & II: Colo & T 354: Screen Printing I or ART 459: \\
\hline ART 218: 3D Tools & & Monoprinting \\
\hline ART 231: Sculpture I & ART 14 : Lif Draw & ART 423: Painting III \\
\hline & ART 214: Life Drawing I & \\
\hline ART 261: Ceramic Survey & ART 216: Intermedia Practices & ART 425: Advanced Figure Painting \\
\hline ART 272: Introduction to Metals and Jewelry & ART 217: Introduction to Computer & ART 427: Art on Paper \\
\hline ART 274: Wood I & Animation & ART 494: China Painting \\
\hline ART 276: Fibers I & ART 218: 3D Tools & ART 494: Color and Sustainable Practice \\
\hline & ART 227: Watercolor I & ART 498: BFA Studio Seminar (L) \\
\hline & ART 231: Sculpture I & ART 499: Individualized Instruction \\
\hline & ART 253: Introduction to Printmaking & \\
\hline & ART 261: Ceramic Survey & \\
\hline & ART 272: Introduction to Metals and Jewelry & \\
\hline & ART 274: Wood I & \\
\hline & ART 276: Fibers I & \\
\hline Art History Asian/African/Native Am./Latin & Art History Modern Focus & \\
\hline Am. Focus & ARS 330: The Portrait (HU) & \\
\hline ARS 362: Pre-Columbian Art I (HU) & \multirow[t]{2}{*}{ARS 340: Art in America (HU \& H)} & \\
\hline ARS 394: Anime & & \\
\hline ARS 394: Egyptian Art and Culture & ARS 345: Art and Television & \\
\hline & Academic Catalog Archive 2018-2019 & 2334 \\
\hline
\end{tabular}
ARS 394: Islamic Art
ARS 394: Mexican Art 394: The Art of the Comic
ARS 402: Art of Ancient Egypt (HU \& H)
ARS 444: Films of India
ARS 434: Revolution to Realism in
19th-Century Art (HU)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Art (Photography), BFA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTPHBFA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

4 ARA 101: ASU: The Art Experience
\begin{tabular}{|c|c|c|}
\hline ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media & 3 & C \\
\hline (1) ART 201: Photography I (HU) & 3 & C \\
\hline ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline Mathematics (MA) & 3 & \\
\hline Maintain 3.00 GPA in Art courses. & & \\
\hline Minimum 2.70 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media & 3 & C \\
\hline 4. ART 204: Photography II: Black and White OR ART 205: Photography II: Color & 3 & C \\
\hline ARS 201: Art of Asia (HU \& H \& G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU \& H \& G) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S.
(C) & 3 & \\
\hline \multicolumn{3}{|l|}{1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{3}{|l|}{Maintain 3.00 GPA in Art courses.} \\
\hline \multicolumn{3}{|l|}{Minimum 2.70 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ARA 101: The Art Experience is required of all freshman art majors only.
- Select your career interest area and play me3@ASU. professional organization.
Minime

Term 331-47 Credit Hours Critical course signified by (1. Hours Minimum
(1) ARA 202: Understanding Photographs

3 C
ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media

3 C

ART 115: 3-D Design 3 Computer/Statistics/Quantitative Applications (CS) 3 Natural Science - Quantitative (SQ) 4

Complete Mathematics (MA) requirement.

\section*{Notes}
- Network in your career interest area.

Maintain 3.00 GPA in Art courses.
Minimum 2.70 GPA ASU Cumulative.


Term hours subtotal:
14
\begin{tabular}{|c|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ARA 396: Professional Practices for Design and the Arts OR ARA 484:
Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship Upper Division Photography Elective

ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU)

Upper Division Literacy and Critical Inquiry (L) 3

Upper Division Elective
- ARS Upper Division Elective cannot be ARS 300.
- Art Upper Division Elective cannot be ARA 311 or ARS 300.
- Gather professional references.
\(\begin{array}{l}\text { Term } 8 \text { 108-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- Students must complete 12 hours of ARS coursework (not from ARS 100 or 300); must include ARS 250, 9 hours upper division and one Asian/African/Native Am./Latin Am. Focus course.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline 3D Art Course & Photography Elective & \multirow[t]{2}{*}{Art History Asian/African/Native Am./Latin Am. Focus} \\
\hline ART 216: Intermedia Practices & ARA 498: Photography and Language (L) & \\
\hline ART 217: Introduction to Computer & ART 301: Alternative Processes I & ARS 362: Pre-Columbian Art I (HU) \\
\hline Animation & & ARS 394: Anime \\
\hline ART 218: 3D Tools & & \multirow[t]{2}{*}{ARS 394: Egyptian Art and Culture} \\
\hline ....................................................................................... & ART 307: View Camera & \\
\hline ART 231: Sculpture I & ART 394: Advanced Black and & ARS 394: Islamic Art \\
\hline ART 261: Ceramic Survey & & ARS 394: Mexican Art \\
\hline ART 272: Introduction to Metals and Jewelry & & ARS 402: Art of Ancient Egypt (HU \& H) \\
\hline ART 274: Wood I & ART 404: Portraiture Photography & \multirow[t]{2}{*}{ARS 444: Films of India} \\
\hline & ART 408: Experimental Film & \\
\hline ART 276: Fibers I & ART 409: Photographic Exhibition & ARS 465: Native Art of North America (HU \& C \& H) \\
\hline & ART 410: Landscape Photography & ARS 472: Art of China (HU) \\
\hline & ART 415: Digital Compositing & ARS 473: Art of Japan (HU) \\
\hline & ART 418: Alternative Processes II & ARS 475: Chinese Painting (HU) \\
\hline & ART 467: Art and Ecology & ARS 494: Art of the Aztec Empire \\
\hline & ART 494: Advanced Photolithography , Digital Cameras \& Photo Editing, Digital & \multirow[t]{5}{*}{ARS 494: Art of the Inka and their Ancestors} \\
\hline & & \\
\hline & Fieldwork, Photogravure , Photolithography & \\
\hline & & \\
\hline & ART 498: BFA Studio Seminar (L) & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ - Humanities, Arts and Design (HU) \\ - Social-Behavioral Sciences (SB) \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Art (Printmaking), BFA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTPMBFA
\begin{tabular}{|l|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline (1) ARA 101: ASU: The Art Experience & 1 \\
\hline (1) ART 113: Color & 3 C \\
\hline ART 111: Drawing I OR ART 112: 2-D Design OR ART 115: 3-D Design & 3 C \\
\hline ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 C \\
\hline MAT 142: College Mathematics (MA) & 3 \\
\hline Maintain 3.00 GPA in Art courses. & \\
\hline Minimum 2.70 GPA ASU Cumulative. & \\
\hline
\end{tabular}

Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline
\end{tabular}
1. ART 111: Drawing I OR ART 112: 2-D Design OR ART 115: 3-D Design

ART 253: Introduction to Printmaking 3 C ARS 201: Art of Asia (HU \& H \& G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU \& H \& G) ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR

3 ENG 107 or ENG 108: First-Year Composition Computer/Statistics/Quantitative Applications (CS)

3

\section*{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).}

\section*{Maintain 3.00 GPA in Art courses.} Minimum 2.70 GPA ASU Cumulative.

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 3 31-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline ART 111: Drawing I OR ART 112: 2-D Design OR ART 115: 3-D Design & 3 & C \\
\hline (1. 2D Art Course & 3 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline
\end{tabular}
(1) Complete Mathematics (MA) requirement.
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ARA 101: The Art Experience is required of all freshman art majors only.
- Select your career interest area and play me3@ASU.
- Join a student club or
professional organization.

Maintain 3.00 GPA in Art courses.
Minimum 2.70 GPA ASU Cumulative.
Complete First-Year Composition requirement.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{( }\) & Hours & & & Notes \\
\hline (1. 3D Art Course & 3 & \multicolumn{2}{|c|}{C} & \multirow{10}{*}{\begin{tabular}{l}
- Students are required to submit the BFA Declaration Form to the School of Art after completing their core foundational courses and 200-level studio courses required for their specific BFA concentration: https://art.asu.edu/admissions/undergrad/applying/ \\
- Gather information of your past work for your future portfolio. \\
- Explore internships.
\end{tabular}} \\
\hline 4. 2D or 3D Art Course & 3 & \multicolumn{2}{|c|}{C} & \\
\hline ARA 240: Encounters with Contemporary Art & 1 & \multicolumn{2}{|c|}{C} & \\
\hline Natural Science - Quantitative (SQ) & 4 & & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & & \\
\hline Elective & 2 & & & \\
\hline Milestone: Submit BFA Declaration Form & & & & \\
\hline 1. Maintain 3.00 GPA in Art courses. & & & & \\
\hline 4. Minimum 2.70 GPA ASU Cumulative. & & & & \\
\hline Term hours subtotal: & 16 & & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & & & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ART 351: Intaglio I & 3 & C \\
\hline ART 354: Screen Printing I & 3 & C \\
\hline ARA OR ARE OR ARS OR ART Upper Division Elective & 3 & C \\
\hline Upper Division Art History Asian/ African/ Native Am./ Latin Am. Focus & 3 & C \\
\hline Upper Division Elective & 3 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline ART 352: Lithography I & 3 & C \\
\hline Upper Division Printmaking Elective & 3 & C \\
\hline Upper Division ARS course (HU) & 3 & C \\
\hline ARA OR ARE OR ARS OR ART Upper Division Elective & 3 & C \\
\hline Elective & 3 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}

\section*{Term hours subtotal: 15}
\begin{tabular}{|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline ARA 396: Professional Practices for Design and the Arts OR ARA 484: Internship OR ARA 489: Writing Art and Design Criticism OR ARS 456: Introduction to Museums OR ARS 484: Internship & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Printmaking Elective
\end{tabular} & 6 & C \\
\hline ARS Upper Division Elective & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline
\end{tabular}
- Art Upper Division Elective course cannot be ARA 311 or ARS 300.
- ARS Upper Division Elective cannot be ARS 300.
- Use Handshake to research employment opportunities.

\section*{- ARS Upper Division Elective cannot be ARS 300. \\ - Art Upper Division Elective course cannot be ARA 311 or ARS 300. \\ - ART 354 must be completed by term 6.}

Term hours subtotal: 15
\(\begin{array}{l}\text { Term } 8 \text { 108-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); must include 6 hours upper division, one Asian/African/Native Am./Latin Am. Focus course, and 2 upper division ARS electives. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, both ARS electives must be upper division and one must include an HU general studies designation.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline 2D Art Course & 3D Course & 2D or 3D Art Course \\
\hline ART 201: Photography I (HU) & ART 216: Intermedia Practices & ART 201: Photography I (HU) \\
\hline ART 204: Photography II: Black and White & \multirow[t]{2}{*}{ART 217: Introduction to Computer Animation} & ART 204: Photography II: Black and White \\
\hline ART 205: Photography II: Color & & ART 205: Photography II: Color \\
\hline ART 211: Drawing II & ART 218: 3D Tools & ART 211: Drawing II \\
\hline ART 214: Life Drawing I & ART 231: Sculpture I & ART 214: Life Drawing I \\
\hline ART 223: Painting I & ART 261: Ceramic Survey & ART 216: Intermedia Practices \\
\hline ART 227: Watercolor I & ART 272: Introduction to Metals and Jewelry & \multirow[t]{2}{*}{ART 217: Introduction to Computer Animation} \\
\hline & ART 274: Wood I & \\
\hline & ART 276: Fibers I & ART 218: 3D Tools \\
\hline & & ART 223: Painting I \\
\hline & & ART 227: Watercolor I \\
\hline & & ART 231: Sculpture I \\
\hline & & ART 261: Ceramic Survey \\
\hline & & ART 272: Introduction to Metals and Jewelry \\
\hline & & ART 274: Wood I \\
\hline & & ART 276: Fibers I \\
\hline Art History Asian/African/Native Am./Latin & Printmaking Elective & \\
\hline & ART 394: Special Topics & \\
\hline ARS 362: Pre-Columbian Art I (HU) & ART 445: Digital Processes for Printmaking & \\
\hline ARS 394: Anime & ART 451: Advanced Intaglio & \\
\hline ARS 394: Egyptian Art and Culture & \multirow[t]{2}{*}{ART 452: Advanced Lithography} & \\
\hline ARS 394: Islamic Art & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline ARS 394: Mexican Art & \multirow[t]{2}{*}{ART 453: Experimental Printmaking: Expanding the Matrix} \\
\hline ARS 402: Art of Ancient Egypt (HU \& H) & \\
\hline ARS 444: Films of India & ART 454: Advanced Screen Printing \\
\hline ARS 465: Native Art of North America (HU & ART 455: Artists' Books \\
\hline \& C \& H) & ART 456: Letterpress Studio \\
\hline ARS 472: Art of China (HU) & ART 458: Paper Studio \\
\hline ARS 473: Art of Japan (HU) & ART 459: Monoprinting \\
\hline ARS 475: Chinese Painting (HU) & \multirow[t]{2}{*}{ART 494: Special Topics: *Printmaking (Any ART 494 course with Printmaking in the title)} \\
\hline ARS 494: Art of the Aztec Empire & \\
\hline ARS 494: Art of the Inka and their Ancestors & ART 494: Photolithography Prints \\
\hline & ART 499: Individualized Instruction \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Art (Sculpture), BFA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAARTSBFA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 ARA 101: ASU: The Art Experience & \multicolumn{2}{|l|}{1} & \multirow[t]{9}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ARA 101: The Art Experience is required of freshman art majors only \\
- Select your career interest and play me3@ASU.
\end{tabular}} \\
\hline 4. ART 111: Drawing I & 3 & C & \\
\hline \%............................................ & 3 & C & \\
\hline ARS 101: Art from Prehistory Through Middle Ages (HU \& H) OR ARS 102: Art from Renaissance to Modernism (HU \& H) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Mathematics (MA) & 3 & & \\
\hline Maintain 3.00 GPA in Art courses. & & & \\
\hline Minimum 2.70 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{\text {b }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media & 3 & C & \multirow[t]{11}{*}{\begin{tabular}{l}
- Students should complete either ART 113 or 116, not both. ART 116 is recommended for Sculpture majors over ART 113. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline ART 231: Sculpture I OR ART 272: Introduction to Metals and Jewelry or ART 274: Wood I & 3 & C & \\
\hline ARS 201: Art of Asia (HU \& H \& G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU \& H \& G) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline 4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Maintain 3.00 GPA in Art courses. & & & \\
\hline Minimum 2.70 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3-41-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
4. ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media

ART 231: Sculpture I OR ART 272: Introduction to Metals and Jewelry or ART 274: Wood I

3
Literacy and Critical Inquiry (L)
.
Natural Science - Quantitative (SQ)
4
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

1 Complete Mathematics (MA) requirement.

- Minimum 2.70 GPA ASU Cumulative.


Complete First-Year Composition requirement.
\[
\text { Term hours subtotal: } \quad 16
\]
\begin{tabular}{|c|c|c|c|}
\hline Term 4-61 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline (1) 2D Art Course & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Students are required to submit the BFA Declaration Form to the School of Art after completing their core foundational courses and 200-level studio courses required for their specific BFA concentration: https://art.asu.edu/admissions/undergrad/applying/ \\
- ARA 240: Encounters with Contemporary Art is required for BFA majors; course only offered in spring. \\
- Gather documentation of past works for your future portfolio. \\
- Explore an internship.
\end{tabular}} \\
\hline - 2D or 3D Art Course & 3 & C & \\
\hline ARA 240: Encounters with Contemporary Art & 1 & C & \\
\hline Natural Science - General (SG) OR Natural Science Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline 4. Milestone: Submit BFA Declaration Form & & . & \\
\hline 1. Maintain 3.00 GPA in Art courses. & & & \\
\hline \multicolumn{3}{|l|}{Minimum 2.70 GPA ASU Cumulative.} & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline ART 331: Sculpture II & 3 & C \\
\hline Upper Division Sculpture Elective & 3 & C \\
\hline Upper Division ARS Elective AND Upper Division Humanities, Arts and Design (HU) & 3 & C \\
\hline ARA OR ARE OR ARS OR ART Elective & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Term hours subtotal & 15 & \\
\hline
\end{tabular}

\section*{Notes}
- Students must complete 6 hours of upper division ARS coursework (not from ARS 300). One course must have HU designation.
- Art Elective course cannot be ARA 311, ARS 100 or ARS 300.
- Students may use their Upper Division Sculpture Electives to concentrate on Metals or Wood. Recommend ART 372 for Metals emphasis or ART 374 for Woods emphasis.
- Faculty recommend at least one of the following art history courses: ARS 438, ARS 439, or ARS 441.
- Use Handshake to research employment opportunities.
\begin{tabular}{|c|c|c|c|}
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ART 430: Advanced Sculpture: Materials and Techniques OR ART 434: Advanced Sculpture: Context and Content & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Students must complete 6 hours of upper division ARS coursework (not from ARS 300). \\
- Upper Division Sculpture Elective: Recommend ART 373 for Metals emphasis or ART 474 for Woods emphasis.
\end{tabular}} \\
\hline Upper Division Sculpture Elective & 3 & C & \\
\hline ARS Upper Division Elective & 3 & C & \\
\hline Elective & 6 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 791 -105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ARA 396: Professional Practices for Design and the Arts OR ARA \\
484: Internship OR ARA 489: Writing Art and Design Criticism OR \\
ARS 456: Introduction to Museums OR ARS 484: Internship
\end{tabular} & 3 & C & - Art Upper Division Elective courses cannot be ARA 311 or ARS 300. \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & 2345 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
ART 430: Advanced Sculpture: Materials and Techniques OR ART \\
434: Advanced Sculpture: Context and Content
\end{tabular} & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Upper Division Sculpture Elective: Recommend ART 472 for Metals emphasis. \\
- Gather professional references.
\end{tabular}} \\
\hline Upper Division Sculpture Elective & 3 & C & \\
\hline ARA OR ARE OR ARS OR ART Upper Division Elective & 3 & C & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ART 482: Senior Exhibitions/Portfolio & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Art Upper Division Elective courses cannot be ARA 311 or ARS 300. \\
- Upper Division Sculpture Elective: Recommend ART 473 for Metals emphasis. \\
- Complete ART 482 Senior Exhibition and finalize portfolio.
\end{tabular}} \\
\hline Upper Division Sculpture Elective & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
ARA OR ARE OR ARS OR ART Upper Division Elective
\end{tabular} & 6 & C & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline 2D Art Course & 2D or 3D Art Course & Upper Division Sculpture Elective \\
\hline ART 201: Photography I (HU) & ART 201: Photography I (HU) & ART 333: Foundry Casting Methods \\
\hline ART 204: Photography II: Black and White & ART 204: Photography II: Black and White & ART 372: Casting and Jewelry Techniques \\
\hline ART 205: Photography II: Color & ART 205: Photography II: Color & ART 373: Form Emphasis in Metals \\
\hline ART 211: Drawing II & ART 211: Drawing II & ART 374: Wood II \\
\hline ART 214: Life Drawing I & ART 214: Life Drawing I & \multirow[t]{2}{*}{ART 428: Video and Sound as Sculptural Materials} \\
\hline ART 223: Painting I & ART 216: Intermedia Practices & \\
\hline ART 227: Watercolor I & \multirow[t]{2}{*}{ART 217: Introduction to Computer Animation} & ART 432: Neon Sculpture \\
\hline \multirow[t]{10}{*}{ART 253: Introduction to Printmaking} & & ART 433: Foundry Casting Methods \\
\hline & ART 218: 3D Tools & ART 435: Foundry Research Methods \\
\hline & ART 223: Painting I & ART 436: Architectural Sculpture \\
\hline & ART 227: Watercolor I & \multirow[t]{2}{*}{ART 438: Moving and Interactive Systems in Sculpture} \\
\hline & ART 253: Introduction to Printmaking & \\
\hline & ART 261: Ceramic Survey & ART 472: Advanced Jewelry and Surface Techniques \\
\hline & ART 272: Introduction to Metals and Jewelry & ART 473: Advanced Metals and Mechanisms \\
\hline & ART 274: Wood I & ART 474: Advanced Wood \\
\hline & ART 276: Fibers I & ART 494: Metalworking \\
\hline & & ART 494: Special Topics \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAATSBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1. HDA 101: ASU \& Herberger Institute Experience & 1 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL scoredetermines placement into first-yearcomposition courses. \\
- ASU Math Placement Assessment score determinesplacement in Mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
\end{tabular}} \\
\hline HDA 210: Creativity and Innovation in Design and the Arts & 3 & C & \\
\hline Arts Discipline and Practice Course & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Mathematics (MA) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & - HDA 101: The Herberger Institute Experience is for freshman BA in the Arts \\
\hline Term hours subtotal: & 16 & & \begin{tabular}{l}
majors only. \\
- Join a student club or professional organization.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline Arts Discipline and Practice Course & 3 & C & \multirow[b]{3}{*}{- By the end of the semester, students will select 1 of 3 possible focus areas: Arts} \\
\hline Historical and Theoretical Arts Studies & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & Administration, Entertainment Design, or an Individual Focus. Students interested in pursuing an Individual \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & Focus should contact their academic \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & withsubmittingtheir proposal for \\
\hline Term hours subtotal & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 331-47 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline DSC 101: Design Awareness (HU \& G) OR GRA 101: Designing Life & 3 & C & \\
\hline Focus Area Course & 3 & C & \\
\hline Historical and Theoretical Arts Studies with African / Asian / Latin American / Native American Focus AND Humanities, Arts and Design (HU) & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{4}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{3}{|l|}{Complete First-Year Composition requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 447-63 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline HDA 252: Foundations of Arts Entrepreneurship & 3 & C & - Create a first draft resume. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Arts Discipline and Practice Course & 3 & C & \\
\hline Focus Area Course & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \multicolumn{3}{|l|}{(1. Complete Computer/Statistics/Quantitative Applications (CS) course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I Upper Division Focus Area Course & 3 & C & \multirow{6}{*}{- Explore an internship; after finding an Internship,complete the Internship Application form request to receive course credit.} \\
\hline ACC 382: Accounting and Financial Analysis OR BUA 381: Small Business Accounting and Finance OR ECN 382: Managerial Economics OR FIN 380: Personal Financial Management & 3 & C & \\
\hline Upper Division Arts Discipline and Practice Course & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HDA 310: Socially Engaged Practice & 3 & C & \multirow[b]{2}{*}{- Students are responsible for securing their own internship experience.} \\
\hline § HDA 397: Capstone Development & 1 & C & \\
\hline HDA 484: Internship & 3 & C & \multirow[t]{3}{*}{Students must receive approval prior to working at the Internship in order for the experience to apply as course} \\
\hline Critical Thinking and Analysis Course & 3 & C & \\
\hline Upper Division Focus Area Course & 3 & C & \\
\hline Elective & 2 & & credit. \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & - Gather Professional references and format the information as an \\
\hline Term hours subtotal: & 15 & & Addendum to your Resume. \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline Upper Division Capstone: Thesis or Independent Research Project & 3 & C \\
\hline Upper Division Focus Area Course & 3 & C \\
\hline Upper Division Elective & 3 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}
Arts Discipline and Practice: Select 4 courses;
12 credits; at least 3 upper division credits
ALA OR AME OR ARA OR ART OR DCE
OR DSC OR EDS OR FMP OR FSH OR
GRA OR IND OR INT OR MUP OR MUS
OR THE OR THF OR THP Elective

Historical and Theoretical Arts Studies with African / Asian / Latin American / Native American Focus AND Humanities, Arts and Design (HU): Select 1 course; 3 credits

ALA 100: Introduction to Environmental Design (HU \& H \& G)

ALA 102: Landscapes and Sustainability (HU \& G)

APH 300: World Architecture I/Western Cultures (HU \& H \& G)

APH 313: History of Architecture I ((L or HU) \& G \& H)

APH 314: History of Architecture II ((L or HU) \& G \& H)

ARS 201: Art of Asia (HU \& H \& G)

ARS 202: Art of Africa, Oceania, and the Americas (HU \& H \& G) or ARS 302: Art/ Africa,Oceania \& Americas (HU \& H \& G)

ARS 362: Pre-Columbian Art I (HU)
ARS 465: Native Art of North America (HU \& C \& H)

ARS 466: Native American Art of the Southwest (HU \& C \& H)

ARS 468: Art of the Arctic and Northwest Coast (HU \& C \& H)

ARS 469: Mexican Art (HU)
ARS 472: Art of China (HU)
ARS 473: Art of Japan (HU)
ARS 475: Chinese Painting (HU)
DCE 201: Dance, Culture, and Global Contexts (HU)

Critical Thinking and Analysis: Select 1 course; 3 credits

ARS 345: Art and Television
ART 110: Drawing as Seeing and Thinking (HU)

MUS 213: Critical Thinking in the Arts (HU)
THE 421: Shakespeare: Stage and Film (L or HU)

Historical and Theoretical Arts Studies: Select 1 course; 3 credits

APH OR ARS OR LPH OR MHL Elective

ALA 100: Introduction to Environmental Design (HU \& H \& G)

ALA 102: Landscapes and Sustainability (HU \& G)

AME 310: Media Literacies and Composition
ARA 202: Understanding Photographs

ARA 394: Museum Educators

ARA 498: Photography and Language (L)

DCE 201: Dance, Culture, and Global Contexts (HU)

DCE 300: Moving Histories (HU)

DCE 301: Meaning in Motion (L or HU)

DCE 402: Ethnography of Dance Practices (L)

DSC 101: Design Awareness (HU \& G)

FMP 250: Sex and Violence in Film and TV: Ethics Survey

FMP 404: World Cinema (G)

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IND 316: 20th-Century Design I (HU \& H)
IND 317: 20th-Century Design II (HU \& H)
INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU \& H)

Individual Focus Track (0 or 18 Credits)
Focus area courses as approved through submission of proposal

Arts Administration Track (0 or 18 credits)

HDA 420: Design and the Arts Business Administration AND THP 351: Arts Management AND MGT 380: Management and Strategy for Nonmajors AND MKT 390: Essentials of Marketing or MKT 395: Essentials of Advertising and Marketing Communication AND Pick Any Two (6 more credits):

ACC OR ECN OR ENT OR FIN OR MGT OR MKT OR NLM OR OGL Elective

ARA 394: Museum Educators

ARA 396: Professional Practices for Design and the Arts

ARA 460: Gallery Exhibitions
DSC 394: Design Entrepreneurship \& Society
DSC 494: Practice Management
FMP 494: Business of Media Industries GRA 440: Finding Purpose

MGT 290: My Life Venture

MGT 400: Cross-Cultural Management (C \& G)

MUP 438: The Enterprising Musician

MUP 494: Music Product Creation and Development

NLM 220: Introduction to Nonprofit Organizations

NLM 235: Leadership and Ethics
NLM 300: Fund Raising and Resource Development

INT 311: History of Interior Design II (HU \&
H) \begin{tabular}{l} 
NLM 302: Inclusive Community \\
Development (C)
\end{tabular}

NLM 302: Inclusive Community Development (C)

NLM 310: Volunteer Management

NLM 430: Managing Nonprofit Organizations

NLM 435: Service Learning for Community
Development

NLM 451: Grant Writing

PAF 300: Public Management and Administration

THP 450: Theatre Organization and Management

THP 451: Student Production Board
URB 240: Urban Policy (C)

THE 322: Theatre History and Culture (HU \& H)

THE 422: Latina and Latino Theatre and Film ( \(\mathrm{HU} \& \mathrm{C}\) ) THE 423: African American Theatre (C)

THE 424: Trends in Theatre for Youth
THE 426: Pre-Columbian Theatre of the
Americas
THE 430: History of Fashion I (HU)
THE 431: History of Fashion II: 20th-Century Fashion
C \& H)

Entertainment Design Track (0 or 18 credits)
HDA 420: Design and the Arts Business Administration AND Pick five courses (15 credits; 9 credits must be Upper Division) AME 111: Introduction to Digital Culture (CS)

AME 112: Computational Thinking for Digital Culture

AME 130: Prototyping Dreams (L)

AME 230: Programming for the Media Arts (CS)

AME 320: Motion Capture for Integrative Systems

AME 340: Compositional and Computational Pinciples for Medi Ats
11. Advanced Interactive Sound

\begin{tabular}{|c|}
\hline MUS 210: The Arts Around Us (HU) \\
\hline MUS 211: Dance, Music and Meaning (HU) \\
\hline MUS 212: Music, Meaning and Imagination (HU) \\
\hline MUS 294: Music and Society \\
\hline MUS 294: Producing Hip Hop and Dance Music I \\
\hline MUS 294: Songwriting \\
\hline MUS 355: American Music (HU \& C \& H) \\
\hline MUS 362: Rap Music and Hip Hop Culture ( \(\mathrm{HU} \& \mathrm{C}\) ) \\
\hline MUS 371: World Music (HU \& G) \\
\hline THF 101: Acting Introduction \\
\hline THF 215: Design and Composition for Theatre and Film \\
\hline THP 201: Theatre Production Crew \\
\hline THP 213: Introduction to Technical Theatre \\
\hline THP 214: Introduction to Costuming \\
\hline THP 317: Stage Management \\
\hline THP 330: Costume Design \\
\hline THP 332: Makeup \\
\hline THP 335: Advanced Stagecraft \\
\hline THP 340: Scene Design \\
\hline THP 345: Lighting Design \\
\hline THP 350: Sound Design \\
\hline THP 355: Media Design for Performance \\
\hline THP 394: Pattern Drafting for Theatre \\
\hline THP 431: Advanced Costume Construction \\
\hline THP 435: Technical Direction \\
\hline THP 440: Advanced Scene Design \\
\hline THP 441: Scene Painting \\
\hline THP 442: Drawing \\
\hline THP 444: Drafting for the Stage \\
\hline THP 445: Advanced Lighting Design \\
\hline THP 455: Advanced Media Design \\
\hline THP 494: Art Direction \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Dance, BFA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FADANBFA
\begin{tabular}{|c|c|c|c|}
\hline erm 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. Milestone: School of Dance students must successfully complete an entrance interview into the major before enrolling at ASU.

- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Dance majors take DCE 170 to complete this requirement.
- One Personal Movement Practices course (DCE 133, 134, 135, or 136) is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.
- Join an organization and/or participate in an off-campus performance project.

\begin{tabular}{|c|c|c|}
\hline Term 44-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline ¢. DCE 231: Second-Year Movement Practices II & 2 & C \\
\hline 4 DCE 261: Second-Year Creative Practices II & 3 & C \\
\hline 1. DCE 300: Moving Histories (HU) & 3 & C \\
\hline 1. DCE 354: Creative Approaches to Teaching Dance I & 3 & C \\
\hline DCE 136: Somatic Practices I OR DCE 236: Somatic Practices II OR DCE 336: Somatic Practices III & 2-3 & C \\
\hline Elective & 1 & \\
\hline \multicolumn{3}{|l|}{4. Complete DCE 201 course.} \\
\hline Term hours subtotal: & 14-15 & \\
\hline Term 561-77 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline DCE 360: Third-Year Creative Practices I & 3 & C \\
\hline DCE 301: Meaning in Motion (L or HU) & 3 & C \\
\hline DCE 330: Third-Year Movement Practices I & 2 & C \\
\hline DCE 356: Creative Approaches to Teaching Dance II & 3 & C \\
\hline Upper Division Personal Movement Practice & 3 & C \\
\hline Elective & 2 & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}

- Establish career interests/develop soft skills, build a resume and research internship opportunities.

\section*{Notes}
- One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.
- Advancement in Personal Movement Practices is determined by instructor.
- Begin career/degree alignment. Engage in community partnerships or projects.
\begin{tabular}{|c|c|c|c|}
\hline Term 677-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline DCE 361: Third-Year Creative Practices II & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows. \\
- Advancement in Personal Movement Practices is determined by instructor.
\end{tabular}} \\
\hline DCE 331: Third-Year Movement Practices II & 2 & C & \\
\hline DCE 402: Ethnography of Dance Practices (L) & 3 & C & \\
\hline Upper Division Personal Movement Practice & 3 & C & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{Th Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 792-106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline DCE 460: Transition Project I & 2 & C & \multirow[t]{3}{*}{- Start networking professionally.} \\
\hline Upper Division Personal Movement Practice & 3 & C & \\
\hline DCE Upper Division Elective & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) OR DCE 240: Media for Dance (CS) & \multicolumn{2}{|l|}{3} & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|r|}{\begin{tabular}{l}
Term hours subtotal: 14 \\
Academic Catalog Archive 2018-2019
\end{tabular}} & 2356 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § DCE 461: Transition Project II & 2 & C & \\
\hline Upper Division Personal Movement Practice & 3 & C & \\
\hline DCE Upper Division Elective & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Upper Division Elective OR DCE 484: Internship & 3 & & \\
\hline Term hours sub & 14 & & \\
\hline
\end{tabular}


\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Dance (Dance Education), BFA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FADANEBFA
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
4. Milestone: School of Dance students must successfully complete an entrance interview into the major before enrolling at ASU.

- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Dance majors complete DCE 170 to fulfill this requirement.
- One Personal Movement Practices course (DCE 133, 134, 135, or 136) is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.
- Join an organization add/or participate in an off-campus performance project.

\begin{tabular}{|c|c|}
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & \multirow[t]{2}{*}{3} \\
\hline OR GCU 113: United States and Arizona Social Studies (SB \& H) & \\
\hline Complete DCE 201 course. & \\
\hline Complete Mathematics (MA) requirement. & \\
\hline Complete First-Year Composition requirement. & \\
\hline
\end{tabular}

Term hours subtotal: 15
\begin{tabular}{|c|c|c|}
\hline Term 446-64 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade \\
\hline 1 DCE 231: Second-Year Movement Practices II & 2 & C \\
\hline 4 DCE 261: Second-Year Creative Practices II & 3 & C \\
\hline 1 DCE 300: Moving Histories (HU) & 3 & C \\
\hline 4 . DCE 354: Creative Approaches to Teaching Dance I & 3 & C \\
\hline Lower Division Personal Movement Practice & 2 & C \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & \\
\hline Elective & 1 & \\
\hline Term hours subtotal: & 18 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 564-81 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline DCE 360: Third-Year Creative Practices I & 3 & C \\
\hline DCE 301: Meaning in Motion (L or HU) & 3 & C \\
\hline DCE 330: Third-Year Movement Practices I & 2 & C \\
\hline DCE 356: Creative Approaches to Teaching Dance II & 3 & C \\
\hline EDP 313: Childhood and Adolescence (SB) & 3 & C \\
\hline Upper Division Personal Movement Practice & 3 & C \\
\hline Term hours subto & 17 & \\
\hline
\end{tabular}
- Establish career interests/develop soft skills, build a resume and research internship opportunities.
\begin{tabular}{|c|c|c|c|}
\hline S SED 496: Clinical Experience III & 1 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows. \\
- Start networking professionally.
\end{tabular}} \\
\hline BLE 407: SEI for Secondary Students (L) & 3 & C & \\
\hline RDG 323: Literacy Processes in Content Areas & 3 & C & \\
\hline Upper Division Personal Movement Practice & 2 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) OR DCE 240: Media for Dance (CS) & 3 & & \\
\hline Term hours subtotal: & 12 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SED 478: Student Teaching: Secondary Education (Grades 6-12) & 12 & C & mplete student teaching and require \\
\hline Term hours subtotal: & 12 & & teacher exam(s) for certification. \\
\hline
\end{tabular}
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
Lower Division Personal Movement Practices \\
DCE 133: Urban Movement Practices I \\
DCE 134: Postmodern Contemporary I \\
DCE 333: Urban Movement Practices III \\
\hline DCE 135: Contemporary Ballet I \\
DCE 136: Somatic Practices I \\
DCE 233: Urban Movement Practices II \\
DCE 335: Contemporary Ballet III \\
\hline DCE 234: Postmodern Contemporary II \\
DCE 235: Contemporary Ballet II \\
DCE 336: Somatic Practices III \\
\hline DCE 236: Somatic Practices II
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Digital Culture, BA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIDGCBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) AME 101: ASU Digital Culture Experience & 1 & C & \multirow{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital Culture students complete AME 101 to fulfill this requirement.
\end{tabular}} \\
\hline (4) AME 111: Introduction to Digital Culture (CS) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
AME 112: Computational Thinking for Digital Culture OR AME \\
130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME \\
230: Programming for the Media Arts (CS)
\end{tabular} & 6 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline (1) Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 216-31 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses:}

AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3 ENG 107 or ENG 108: First-Year Composition

Social-Behavioral Sciences (SB) AND Cultural Diversity in the 3 U.S. (C)

Elective
3
(1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
1. Maintain 3.00 GPA in Digital Culture coursework.
1. Minimum 2.50 GPA ASU Cumulative.
. Milestone: GPA First-Year Review
Term hours subtotal:
15


Maintain 3.00 GPA in Digital Culture coursework.
(1.) Minimum 2.50.............................................................................

Complete Mathematics (MA) requirement.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 47-62 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses:}
Digital Media - Media Arts \& Design Course OR Digital Culture \(\quad 6\)

\section*{Studies Course}

Lower Division History/Theory Course 3
Humanities, Arts and Design (HU) AND Historical Awareness (H) 3
Lower Division Elective 3


\begin{tabular}{|c|c|c|c|}
\hline Term hours subtotal: & 15 & & \\
\hline Term 562-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division Digital Culture Studies Course & 3 & C & - Build a digital portfolio. \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Digital Media - Media Arts \& Design Course OR \\
Upper Division Digital Culture Studies Course
\end{tabular} & 6 & C & \\
\hline Upper Division History/Theory Course & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Digital Culture Studies Course & 3 & C & - Explore an internship. \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Digital Media - Media Arts \& Design Course OR \\
Upper Division Digital Culture Studies Course
\end{tabular} & 6 & C & \\
\hline Upper Division Digital Culture Studies Course OR Upper Division Related Digital Culture Course & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AME 485: Digital Culture Capstone I & 3 & C & - Gather professional references. \\
\hline Upper Division Digital Media - Media Arts \& Design Course OR Upper Division Digital Culture Studies Course & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Digital Media - Media Engineering Course & 3 & C & \\
\hline Elective OR AME 484: Internship & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 3.00 GPA in Digital Culture coursework.} & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AME 486: Digital Culture Capstone II & 3 & C & \\
\hline Complete 2 courses: & & & \\
\hline Upper Division Digital Media - Media Arts \& Design Course OR & 6 & C & \\
\hline Upper Division Digital Culture Studies Course & & & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
Hide Course List(s)/Track Group(s)
Digital Culture Studies Course List
AME 220: Programming for the Web
AME 244: Introduction to Interactive
Environments
List
AME 310: Media Literacies and Composition \begin{tabular}{l} 
ART 206: Digital Photography I: The Still \\
Image in Digital Culture
\end{tabular}

History/Theory Course List

ALA 100: Introduction to Environmental Design (HU \& H \& G)

ALA 102: Landscapes and Sustainability (HU \& G)

APH 300: World Architecture I/Western Cultures (HU \& H \& G)

APH 313: History of Architecture I ((L or HU) \& G \& H)

APH 314: History of Architecture II ((L or HU) \& G \& H)

APH 405: Contemporary Architecture and
Urbanism 1970 to the Present (HU \& H)
ARA 202: Understanding Photographs
ARA 498: Photography and Language (L)
ARS 102: Art from Renaissance to Modernism (HU \& H)

ARS 345: Art and Television
ARS 438: Art of the 20th Century I (HU \& H)

ARS 439: Art of the 20th Century II (HU \& H)

ARS 440: Identity and World Film

DCE 300: Moving Histories (HU)

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture
MDC 211: Introduction to Digital Sound
MDC 311: Composing and Performing for Hybrid Ensembles
Related Digital Culture Course List \begin{tabular}{l} 
Digital Media - Media Engineering Course \\
List
\end{tabular}

HDA 310: Socially Engaged Practice
IAP 102: Foundations I: Performance
Techniques and Composition
IAP 105: Foundations I: Fundamentals of Visual Art

MCO 435: Social Media

MGT 290: My Life Venture
OMT 402: Legal Issues for Technologists
TEM 311: Opportunity Analysis

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Digital Culture (Art), BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIDGCABA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) AME 101: ASU Digital Culture Experience & 1 & C & \multirow{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
\end{tabular}} \\
\hline (4) AME 111: Introduction to Digital Culture (CS) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME \\
230: Programming for the Media Arts (CS)
\end{tabular} & 6 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4) Maintain 3.00 GPA in Digital Culture coursework.} & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses:}

AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)

ARS 102: Art from Renaissance to Modernism (HU \& H) OR ARS 250: History of Photography (HU)

3 C

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

3
1 Complete ENG 101 OR ENG 105 OR ENG 107 course(s)
!. Maintain 3.00 GPA in Digital Culture coursework.
(1.)......................................................................................... Minimum 2.50 GPA ASU Cumulative.
(1. Milestone: GPA First-Year Review

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 3 31-47 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color & 3 & C \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C \\
\hline Natural Science - Quantitative (SQ) ( PHY 101 recommended) & 4 & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline Lower Division Elective & 3 & \\
\hline
\end{tabular}

Complete MAT 210 course.
- All Digital Culture majors must have a 3.0 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.0, the student will be placed on a probationary status for 1 term. If the student is not successful in raising their digital culture GPA to a 3.0 after the probationary term, the student will not be able to continue in the Digital Culture program.
- Join a student club or professional organization.

Maintain 3.00 GPA in Digital Culture coursework.
(1) Minimum 2.50 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.
Complete First-Year Composition requirement.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ART 216: Intermedia Practices & 3 & C & \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Lower Division Elective & 3 & & \\
\hline
\end{tabular}

Term hours subtotal: 16

\begin{tabular}{|c|c|c|c|}
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Digital Culture Studies & 3 & C & \multirow[t]{9}{*}{- Explore an internship.} \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division Studio Art & 3 & C & \\
\hline Upper Division History/Theory Course & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AME 485: Digital Culture Capstone I & 3 & C & \multirow[t]{2}{*}{- Gather professional references.} \\
\hline Upper Division Digital Culture Studies & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Upper Division Related Digital Culture Course OR Upper Division Digital Media - Media Arts \& Design & 3 & C & \\
\hline Upper Division Art History & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AME 486: Digital Culture Capstone II & 3 & C & \\
\hline Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division Digital Media - Media Engineering & 3 & C & \\
\hline Upper Division Art Concentration Course & 3 & C & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
\(\left.\begin{array}{l}\text { Digital Culture Studies Course List }\end{array} \begin{array}{l}\text { Digital Media - Media Arts \& Design Course } \\
\text { List }\end{array}\right\}\)\begin{tabular}{l} 
ART 206: Digital Photography I: The Still \\
AME 220: Programming for the Web \\
AME 244: Introduction to Interactive \\
Environments \\
AME 320: Motion Capture for Integrative Systems \\
AME 330: Digital-Physical Systems \\
Animation
\end{tabular}

Digital Media - Media Engineering Course List

AME 410: Interactive Materials
AME 430: Mac Development for Media Arts
EEE 307: Signal Processing for Digital Culture

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid
Ensembles
\begin{tabular}{|c|c|c|}
\hline Related Digital Culture Course List & History/Theory Course List & Upper Division Studio Art Course List \\
\hline ASB 328: Rules, Games, and Society (L) & ALA 100: Introduction to Environmental & ART 346: 3-D Computer Imaging and \\
\hline \multirow[t]{3}{*}{ASB 344: Technology and Society (L or SB) or SOC 334: Technology and Society (L or SB)} & Design (HU \& H \& G) & \\
\hline & ALA 102: Landscapes and Sustainability (HU & ART 439: Intermedia Studio \\
\hline & \& G) & ART 442: Art and Community \\
\hline \multirow[t]{2}{*}{HDA 210: Creativity and Innovation in Design and the Arts} & APH 300: World Architecture I/Western & \multirow[b]{2}{*}{ART 445: Digital Processes for Printmaking} \\
\hline & Cultures (HU \& H \& G) & \\
\hline HDA 252: Foundations of Arts & APH 313: History of Architecture I ((L or & \\
\hline Entrepreneurship & HU) \& G \& H) & \\
\hline HDA 310: Socially Engaged Practice & APH 314: History of Architecture II ((L or & \\
\hline \multirow[b]{2}{*}{IAP 102: Foundations I: Performance Techniques and Composition} & HU) \& G \& H) & \\
\hline & APH 405: Contemporary Architecture and & \\
\hline \multirow[b]{2}{*}{IAP 105: Foundations I: Fundamentals of Visual Art} & Urbanism 1970 to the Present (HU \& H) & \\
\hline & ARA 202: Understanding Photographs & \\
\hline MCO 435: Social Media & ARA 498: Photography and Language (L) & \\
\hline MGT 290: My Life Venture & ARS 102: Art from Renaissance to & \\
\hline \multirow[t]{2}{*}{OMT 402: Legal Issues for Technologists} & Modernism (HU \& H) & \\
\hline & ARS 345: Art and Television & \\
\hline \multirow[t]{15}{*}{TEM 311: Opportunity Analysis} & ARS 438: Art of the 20th Century I (HU \& H) & \\
\hline & ARS 439: Art of the 20th Century II (HU \& H) & \\
\hline & ARS 440: Identity and World Film & \\
\hline & DCE 300: Moving Histories (HU) & \\
\hline & DSC 101: Design Awareness (HU \& G) & \\
\hline & FMP 403: Independent Film (HU) & \\
\hline & FMP 404: World Cinema (G) & \\
\hline & FMP 405: Film and Television: Pioneers, Practices and Innovations (HU) & \\
\hline & GRA 111: Graphic Design History I (HU) & \\
\hline & GRA 112: Graphic Design History II & \\
\hline & IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) & \\
\hline & IND 316: 20th-Century Design I (HU \& H) & \\
\hline & IND 317: 20th-Century Design II (HU \& H) & \\
\hline & INT 111: Interior Design Issues and Theories (HU) & \\
\hline & Academic Catalog Archive 2018-2019 & 2369 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline & INT 310: History of Interior Design I (HU \& H) \\
\hline & INT 311: History of Interior Design II (HU \& H) \\
\hline & LPH 310: History of Landscape Architecture ( \(\mathrm{HU} \& \mathrm{H}\) ) \\
\hline & LPH 311: 20th-Century Landscape Architecture (HU) \\
\hline & MHL 440: Topics in 20th-Century Music (L or HU) \\
\hline & MHL 494: Music and Movement in Urban Culture \\
\hline & MUS 347: Jazz in America (HU \& C) \\
\hline & MUS 356: Broadway and the American Musical (HU) \\
\hline & THE 320: History of the Theatre I (HU \& H) \\
\hline & THE 322: Theatre History and Culture (HU \& H) \\
\hline & THP 482: Theatre for Social Change (C) \\
\hline Upper Division Art History Course List & Upper Division Art Concentration Course List \\
\hline ARS 345: Art and Television & ARS 345: Art and Television \\
\hline ARS 438: Art of the 20th Century I (HU \& H) & ARS 438: Art of the 20th Century I (HU \& H) \\
\hline ARS 440: Identity and World Film & ARS 439: Art of the 20th Century II (HU \& \\
\hline \multirow[t]{7}{*}{ARS 456: Introduction to Museums} & H) \\
\hline & ARS 440: Identity and World Film \\
\hline & ARS 456: Introduction to Museums \\
\hline & ART 346: 3-D Computer Imaging and Animation (CS) \\
\hline & ART 439: Intermedia Studio \\
\hline & ART 442: Art and Community \\
\hline & ART 445: Digital Processes for Printmaking \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Digital Culture (Arts and Design Studies), BA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIDCADSBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) AME 101: ASU Digital Culture Experience & 1 & C & \multirow{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
\end{tabular}} \\
\hline (1) AME 111: Introduction to Digital Culture (CS) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)
\end{tabular} & 6 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4) Maintain 3.00 GPA in Digital Culture coursework.} & \\
\hline \multicolumn{3}{|l|}{(1) Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Complete 2 courses:AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)

The Arts Core OR Design Studies Core Course
3
C
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Social-Behavioral Sciences (SB) AND Cultural Diversity in the
U.S. (C)
1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Maintain 3.00 GPA in Digital Culture coursework.
4. Minimum 2.50 GPA ASU Cumulative.

Milestone: GPA First-Year Review
Term hours subtotal:
15
Term 3 31-47 Credit Hours Critical course signified by 1. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

Complete MAT 210 course.
- All Digital Culture majors must have a 3.0 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.0, the student will be placed on a probationary status for 1 term. If the student is not successful in raising their digital culture GPA to a 3.0 after the probationary term, the student will not be able to continue in the Digital Culture program.
- Join a student club or professional organization

Maintain 3.00 GPA in Digital Culture coursework.
(1) Minimum 2.50 GPA ASU Cumulative.
................................................................................................
Complete Mathematics (MA) requirement.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 44-63 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C & \\
\hline The Arts Core OR Design Studies Core Course & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Lower Division Elective & 3 & & \\
\hline
\end{tabular}

Term hours subtotal: 16


\begin{tabular}{|c|c|c|c|}
\hline Upper Division Related Digital Culture Course OR Upper Division Digital Media - Media Arts \& Design & 3 & C & \\
\hline Upper Division The Arts Core OR Design Studies Core Course & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Maintain 3.00 GPA in Major Courses. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AME 486: Digital Culture Capstone II & 3 & C & \\
\hline Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division Digital Media - Media Engineering & 3 & C & \\
\hline The Arts Core Elective OR Design Studies Core Elective & 3 & C & \\
\hline Maintain 3.00 GPA in Major Courses. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- Digital Culture and Concentration coursework: refer to additional notes and program advisor for course selection.

Choose to take all courses either in the Arts Core or the Design Studies Core, not both.

Hide Course List(s)/Track Group(s)
\begin{tabular}{ll} 
The Arts Core Course List & Design Studies Core Course List \\
ARA 489: Writing Art and Design Criticism & GRA 101: Designing Life \\
\begin{tabular}{l} 
ARS 102: Art from Renaissance to \\
Modernism (HU \& H)
\end{tabular} & \begin{tabular}{l} 
GRA 225: Communication/Interaction Design \\
Theory
\end{tabular} \\
\begin{tabular}{l} 
HDA 210: Creativity and Innovation in \\
Design and the Arts
\end{tabular} & GRA 401: Creative Environment \\
HDA 252: Foundations of Arts & IND 344: Human Factors in Design \\
Entrepreneurship & INT 121: Introduction to Computer Modeling \\
HDA 310: Socially Engaged Practice & for Interior Design (CS)
\end{tabular}

The Arts Core Elective Course List
ALA 100: Introduction to Environmental Design (HU \& H \& G)

ALA 102: Landscapes and Sustainability (HU \& G)

APH 300: World Architecture I/Western Cultures (HU \& H \& G)

APH 313: History of Architecture I ((L or HU) \& G \& H)

APH 314: History of Architecture II ((L or HU) \& G \& H)

ARS 201: Art of Asia (HU \& H \& G)

ARS 202: Art of Africa, Oceania, and the Americas (HU \& H \& G)

ARS 302: Art/ Africa,Oceania \& Americas (HU \& H \& G)

ARS 362: Pre-Columbian Art I (HU)
ARS 465: Native Art of North America (HU \& C \& H)
Design Studies Core Elective Course List
APH Upper Division Elective
ARA 489: Writing Art and Design Criticism
GRA Upper Division Elective
IND Upper Division Elective
INT Upper Division Elective
LPH Upper Division Elective
Digital Media - Media Arts \& Design Course
List

ART 206: Digital Photography I: The Still Image in Digital Culture

ART 217: Introduction to Computer Animation
ART 218: 3D Tools
ART 494: Visual Prototyping
FMP 240: Introduction to Animation for Film

FMP 394: Non-Linear Editing for Film and Media

IAP 103: Foundations I: Interdisciplinary Digital Media

IAP 104: Foundations I: Fundamentals of Sound Art

ARS 466: Native American Art of the Southwest (HU \& C \& H)

ARS 468: Art of the Arctic and Northwest Coast (HU \& C \& H)

ARS 469: Mexican Art (HU)
ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)
DCE 201: Dance, Culture, and Global Contexts (HU)

DCE 402: Ethnography of Dance Practices (L)

DSC 101: Design Awareness (HU \& G)
FMP 404: World Cinema (G)

MHL 140: Music as Culture (HU \& G)
MHL 344: Music in World Cultures (HU \& G)

MHL 466: North American Indian Music ((L or HU ) \& C)

MUS 347: Jazz in America (HU \& C)
THE 422: Latina and Latino Theatre and Film ( \(\mathrm{HU} \& \mathrm{C}\) )

THE 423: African American Theatre (C)
THE 426: Pre-Columbian Theatre of the Americas

History/Theory Course List
ALA 100: Introduction to Environmental Design (HU \& H \& G)

ALA 102: Landscapes and Sustainability (HU \& G)

APH 300: World Architecture I/Western Cultures (HU \& H \& G)

APH 313: History of Architecture I ((L or HU) \& G \& H)

APH 314: History of Architecture II ((L or HU) \& G \& H)

APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU \& H)

ARA 202: Understanding Photographs ARA 498: Photography and Language (L) ARS 102: Art from Renaissance to Modernism (HU \& H)

ARS 345: Art and Television
ARS 438: Art of the 20th Century I (HU \& H)
ARS 439: Art of the 20th Century II (HU \& H)

ARS 440: Identity and World Film
DCE 300: Moving Histories (HU)
DSC 101: Design Awareness (HU \& G)
FMP 403: Independent Film (HU)
FMP 404: World Cinema (G)
FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)

GRA 111: Graphic Design History I (HU)
GRA 112: Graphic Design History II
IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU \& H)
IND 317: 20th-Century Design II (HU \& H)
INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU \& H)

INT 311: History of Interior Design II (HU \& H)

LPH 310: History of Landscape Architecture ( \(\mathrm{HU} \& \mathrm{H}\) )

LPH 311: 20th-Century Landscape Architecture (HU)

MHL 440: Topics in 20th-Century Music (L or HU )

MHL 494: Music and Movement in Urban Culture

MUS 347: Jazz in America (HU \& C)

MUS 356: Broadway and the American Musical (HU)

THE 320: History of the Theatre I (HU \& H)
THE 322: Theatre History and Culture (HU \& H)

THP 482: Theatre for Social Change (C)

Digital Media - Media Engineering Course List

AME 244: Introduction to Interactive Environments

AME 320: Motion Capture for Integrative Systems
AME 330: Digital-Physical Systems
AME 340: Compositional and Computational
Principles for Media Arts \begin{tabular}{l} 
HDA 252: Foundations of Arts \\
Entrepreneurship
\end{tabular}

ASB 344: Technology and Society (L or SB) or SOC 334: Technology and Society (L or SB)

HDA 210: Creativity and Innovation in Design and the Arts

HDA 252: Foundations of Arts repreneurship

IAP 102: Foundations I: Performance
Techniques and Composition

IAP 105: Foundations I: Fundamentals of

AME 430: Mac Development for Media Arts EEE 307: Signal Processing for Digital Culture

ANP 394: Digital Modeling and Fabrication
ART 116: Introduction to Digital Media

ART 218: 3D Tools

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture

MDC 211: Introduction to Digital Sound
MDC 311: Composing and Performing for Hybrid Ensembles

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Digital Culture (Design), BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIDGCDBA

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\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 1. AME 101: ASU Digital Culture Experience & 1 & C & \multirow{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
\end{tabular}} \\
\hline 1. AME 111: Introduction to Digital Culture (CS) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
AME 112: Computational Thinking for Digital Culture OR AME \\
130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME \\
230: Programming for the Media Arts (CS)
\end{tabular} & 6 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline \multicolumn{3}{|l|}{4. Maintain 3.00 GPA in Digital Culture coursework.} & \\
\hline \multicolumn{3}{|l|}{(1) Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses:}

AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)

DSC 101: Design Awareness (HU \& G) OR GRA 101: Designing Life

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3 C
ENG 107 or ENG 108: First-Year Composition
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)


Term hours subtotal:
15
- All Digital Culture majors must have a 3.0 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.0, the student will be placed on a probationary status for 1 term. If the student is not successful in raising their digital culture GPA to a 3.0 after the probationary term, the student will not be able to continue in the Digital Culture program.
- Join a student club or professional organization.
\begin{tabular}{|c|c|}
\hline Minimum \\
Grade & Notes \\
\hline
\end{tabular}

GRA 294: Dynamic Visual Representation OR IND 242: Materials and Design OR IND 243: Design for Ecology and Social Equity

3 C
- Build your skills.

Complete MAT 210 course.
Maintain 3.00 GPA in Digital Culture coursework.
. Minimum 2.50 GPA ASU Cumulative.
Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Term hours subtotal: \(\quad 16\)
\begin{tabular}{|c|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline APH OR IND OR GRA OR LPH OR INT Elective & 3 & C & \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Lower Division Elective & 3 & & \\
\hline 4. Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline 4. Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline U Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division Digital Culture Studies OR Related Digital Culture Course & 3 & C & \\
\hline History/Theory Course & 3 & C & \\
\hline Elective OR AME 484: Internship & 3 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Upper Division Digital Culture Studies & 3 & C & \multirow{2}{*}{- Explore an internship.} \\
\hline APH 336: 20th-Century Architecture I (HU) OR GRA 345: Design Rhetoric (L) OR IND 354: Principles of Product Design OR INT 351: Ambient Environment OR LPH 310: History of Landscape Architecture ( \(\mathrm{HU} \& \mathrm{H}\) ) & 3 & C & \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division History/Theory Course & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course sig & Grade & Notes \\
\hline \% AME 485: Digital Culture Capstone I & C & \multirow{8}{*}{- Gather professional references.} \\
\hline APH 337: 20th-Century Architecture II (HU) OR Concepts: What is... The Writing, Philosophy, and Architecture (L or HU) OR GRA 401: Creative E 440: Finding Purpose & C & \\
\hline Upper Division Digital Culture Studies & C & \\
\hline Upper Division Related Digital Culture Course OR Digital Media - Media Arts \& Design & C & \\
\hline Upper Division Humanities, Arts and Design (HU Social-Behavioral Sciences (SB) & & \\
\hline \multicolumn{2}{|l|}{Maintain 3.00 GPA in Digital Culture coursework} & \\
\hline \multicolumn{2}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline \multicolumn{2}{|c|}{Term hours subtotal: \({ }^{\text {an }}\)} & \\
\hline Term 8108-120 Credit Hours Necessary course si & Minimum Grade & Notes \\
\hline AME 486: Digital Culture Capstone II & C & \\
\hline  & C & \\
\hline Upper Division Digital Culture Studies & C & \\
\hline Upper Division Digital Media - Media Engineering & C & \\
\hline \multicolumn{2}{|l|}{Maintain 3.00 GPA in Digital Culture coursework} & \\
\hline \multicolumn{2}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline \multirow[b]{2}{*}{Hide Course List(s)/Track Group(s)} & & \\
\hline & & \\
\hline Digital Culture Studies Course List & \multirow[t]{2}{*}{Digital Media - Media Arts \& Design Course List} & \multirow[t]{2}{*}{Digital Media - Media Engineering Course List} \\
\hline AME 220: Programming for the Web & & \\
\hline \multirow[t]{2}{*}{AME 244: Introduction to Interactive Environments} & \multirow[t]{2}{*}{ART 206: Digital Photography I: The Still Image in Digital Culture} & AME 410: Interactive Materials \\
\hline & & AME 430: Mac Development for Media Arts \\
\hline AME 320: Motion Capture for Integrative Systems & ART 217: Introduction to Computer Animation & EEE 307: Signal Processing for Digital \\
\hline AME 330: Digital-Physical Systems & ART 218: 3D Tools & \\
\hline AME 340: Compositional and Computational Principles for Media Arts & ART 494: Visual Prototyping & \\
\hline AME 394: Special Topics & FMP 240: Introduction to Animation for Film & \\
\hline AME 411: Advanced Interactive Sound & \multirow[t]{2}{*}{FMP 394: Non-Linear Editing for Film and Media} & \\
\hline AME 430: Mac Development for Media Arts & & \\
\hline AME 435: Mobile Development & IAP 103: Foundations I: Interdisciplinary Digital Media & \\
\hline AME 444: Media Installations & IAP 104: Foundations I: Fundamentals of Sound Art & \\
\hline AME 470: Programming for Social and Interactive Media & & \\
\hline
\end{tabular}

\footnotetext{
AME 494: Animating Virtual Worlds
}
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{AME 494: Special Topics} \\
\hline \multicolumn{2}{|l|}{ANP 394: Digital Modeling and Fabrication} \\
\hline \multicolumn{2}{|l|}{ART 116: Introduction to Digital Media} \\
\hline \multicolumn{2}{|l|}{ART 218: 3D Tools} \\
\hline \multicolumn{2}{|l|}{DCE 294:} \\
\hline \multicolumn{2}{|l|}{HybridAction:PhysicalIntelligenceinDigitalCulture} \\
\hline \multicolumn{2}{|l|}{MDC 211: Introduction to Digital Sound} \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{MDC 311: Composing and Performing for Hybrid}} \\
\hline & \\
\hline Related Digital Culture Course List & History/Theory Course List \\
\hline ASB 328: Rules, Games, and Society (L) & ALA 100: Introduction to Environmental \\
\hline \multirow[t]{2}{*}{ASB 344: Technology and Society (L or SB) or SOC 334: Technology and Society (L or SB)} & Design (HU \& H \& G) \\
\hline & ALA 102: Landscapes and Sustainability (HU \& G) \\
\hline HDA 210: Creativity and Innovation in Design and the Arts & APH 300: World Architecture I/Western Cultures (HU \& H \& G) \\
\hline HDA 252: Foundations of Arts & APH 313: History of Architecture I ((L or HU) \\
\hline Entrepreneurship & \& G \& H) \\
\hline HDA 310: Socially Engaged Practice & APH 314: History of Architecture II ((L or \\
\hline \multicolumn{2}{|l|}{IAP 102: Foundations I: Performance} \\
\hline Techniques and Composition & APH 405: Contemporary Architecture and \\
\hline \multirow[b]{2}{*}{IAP 105: Foundations I: Fundamentals of Visual Art} & Urbanism 1970 to the Present (HU \& H) \\
\hline & ARA 202: Understanding Photographs \\
\hline MCO 435: Social Media & ARA 498: Photography and Language (L) \\
\hline MGT 290: My Life Venture & ARS 102: Art from Renaissance to Modernism \\
\hline \multicolumn{2}{|l|}{OMT 402: Legal Issues for Technologists .................} \\
\hline \multirow[t]{2}{*}{TEM 311: Opportunity Analysis} & ARS 345: Art and Television \\
\hline & ARS 438: Art of the 20th Century I (HU \& H) \\
\hline & ARS 439: Art of the 20th Century II (HU \& H) \\
\hline & ARS 440: Identity and World Film \\
\hline & DCE 300: Moving Histories (HU) \\
\hline & DSC 101: Design Awareness (HU \& G) \\
\hline & FMP 403: Independent Film (HU) \\
\hline & FMP 404: World Cinema (G) \\
\hline & FMP 405: Film and Television: Pioneers, Practices and Innovations (HU) \\
\hline & GRA 111: Graphic Design History I (HU) \\
\hline & GRA 112: Graphic Design History II \\
\hline
\end{tabular}
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IAP 305: 20th and 21st Century Art,
Performance, and Media (L or HU)
IND 316: 20th-Century Design I (HU \& H)
IND 317: 20th-Century Design II (HU \& H)
INT 111: Interior Design Issues and Theories
(HU)
INT 310: History of Interior Design I (HU \&
H)
INT 311: History of Interior Design II (HU \&
H)
LPH 310: History of Landscape Architecture
(HU \& H)
LPH 311: 20th-Century Landscape
Architecture (HU)
MHL 440: Topics in 20th-Century Music (L or
HU)
MHL 494: Music and Movement in Urban
Culture
MUS 347: Jazz in America (HU \& C)
MUS 356: Broadway and the American
Musical (HU)
THE 320: History of the Theatre I (HU \& H)
THE 322: Theatre History and Culture (HU \&
H)
THP 482: Theatre for Social Change (C)

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Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Digital Culture (English), BA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIDGCENBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) AME 101: ASU Digital Culture Experience & 1 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Digital Culture students complete AME 101 to fulfill this requirement.
\end{tabular}} \\
\hline (4) AME 111: Introduction to Digital Culture (CS) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)
\end{tabular} & 6 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4) Maintain 3.00 GPA in Digital Culture coursework.} & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses}AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)

Lower Division Digital Culture Studies
3
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Social-Behavioral Sciences (SB) AND Cultural Diversity in the
U.S. (C)

1 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
!. Maintain 3.00 GPA in Digital Culture coursework.
- Minimum 2.50 GPA ASU Cumulative.
- Milestone: GPA First-Year Review
Term 3 31-47 Credit Hours Critical course signified by 1. Hours \(^{\text {Minimum }}\)\begin{tabular}{c} 
Grade
\end{tabular} Notes

Maintain 3.00 GPA in Digital Culture coursework.
Minimum 2.50 GPA ASU Cumulative.
Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 4-62 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Lower Division English Concentration Electives Category I
\end{tabular} & 6 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Lower Division Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{4. Maintain 3.00 GPA in Digital Culture coursework.} \\
\hline \multicolumn{4}{|l|}{Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 562-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Digital Culture Studies & 3 & C & \multirow[t]{2}{*}{- Build a digital portfolio.} \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division English Concentration Electives Category II
\end{tabular} & \multicolumn{2}{|r|}{6 C} & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & \multicolumn{2}{|l|}{4} & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division English Concentration Electives Category III & 3 & C & \\
\hline Elective OR AME 484: Internship & 3 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108 -120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AME 486: Digital Culture Capstone II & 3 & C & \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division English Concentration Electives Category III & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Digital Culture Studies Course List & \multirow[t]{2}{*}{Digital Media - Media Arts \& Design Course List} \\
\hline AME 220: Programming for the Web & \\
\hline AME 244: Introduction to Interactive Environments & ART 206: Digital Photography I: The Still Image in Digital Culture \\
\hline AME 310: Media Literacies and Composition & ART 217: Introduction to Computer Animation \\
\hline AME 320: Motion Capture for Integrative Systems & ART 218: 3D Tools \\
\hline AME 330: Digital-Physical Systems & ART 494: Visual Prototyping \\
\hline AME 340: Compositional and Computational Principles for Media Arts & FMP 240: Introduction to Animation for Film \\
\hline AME 394: Special Topics & \multirow[t]{2}{*}{FMP 394: Non-Linear Editing for Film and Media} \\
\hline AME 411: Advanced Interactive Sound & \\
\hline AME 430: Mac Development for Media Arts & IAP 103: Foundations I: Interdisciplinary Digital Media \\
\hline AME 435: Mobile Development & \multirow[t]{2}{*}{IAP 104: Foundations I: Fundamentals of Sound Art} \\
\hline AME 444: Media Installations & \\
\hline AME 470: Programming for Social and Interactive Media & \\
\hline AME 494: Animating Virtual Worlds & \\
\hline AME 494: Special Topics & \\
\hline ANP 394: Digital Modeling and Fabrication & \\
\hline ART 116: Introduction to Digital Media & \\
\hline
\end{tabular}

Digital Media - Media Engineering Course List

AME 410: Interactive Materials

AME 430: Mac Development for Media Arts
EEE 307: Signal Processing for Digital Culture

ART 218: 3D Tools
DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture
MDC 211: Introduction to Digital Sound
MDC 311: Composing and Performing for Hybrid Ensembles

English Concentration Electives Category I: Select 3 courses; 9 credits

ENG 205: Introduction to Writing, Rhetorics and Literacies (L) ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

FMS 200: Film History ((L or HU) \& H)

English Concentration Electives Category II: Select 2 courses; 6 credits

ENG 312: English in its Social Setting (L or HU or SB)

ENG 314: Modern Grammar

ENG 383: Digital Media in the Humanities

ENG 403: Semantics

ENG 447: Experimental Narrative

English Concentration Electives Category III: Select 3 courses; 9 credits

Any 300-400 level Film and Media Studies class with FMS designation

Any 300-400 level Literature class with ENG designation

Any 300-400 level Writing, Rhetorics, and/or Literacies class with ENG designation

FMS 351: Emerging Digital Media

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Digital Culture (Film), BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIDGCFBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) AME 101: ASU Digital Culture Experience & 1 & C & \multirow{9}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
\end{tabular}} \\
\hline (4) AME 111: Introduction to Digital Culture (CS) & 3 & C & \\
\hline AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS) & 3 & C & \\
\hline FMP 201: Film: The Creative Process I (HU) OR FMP 250: Sex and Violence in Film and TV: Ethics Survey & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4) Maintain 3.00 GPA in Digital Culture coursework.} & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Complete 3 courses.
1.

130: Prototyping Dreams (L) OR AME 210: Media Editing OR
AME 230: Programming for the Media Arts (CS)
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

3
1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Maintain 3.00 GPA in Digital Culture coursework.
Minimum 2.50 GPA ASU Cumulative.
Milestone: GPA First-Year Review
Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 3 31-47 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C \\
\hline THE OR THP OR FMP OR FMS Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline Natural Science - Quantitative (SQ) ( PHY 101 recommended) & 4 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline
\end{tabular}
- All Digital Culture majors must have a 3.0 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.0, the student will be placed on a probationary status for 1 term. If the student is not successful in raising their digital culture GPA to a 3.0 after the probationary term, the student will not be able to continue in the Digital Culture program.
- Join a student club or professional organization.

Maintain 3.00 GPA in Digital Culture coursework.
Minimum 2.50 GPA ASU Cumulative.
Complete Mathematics (MA) requirement.

Term hours subtotal: \(\quad 16\)
\begin{tabular}{|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{1}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C \\
\hline History/Theory Course & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Lower Division Elective & 3 & \\
\hline 4. Maintain 3.00 GPA in Digital Culture coursework. & & \\
\hline 4. Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 16 & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline Upper Division Digital Culture Studies & 3 & C \\
\hline FMP 300: Film Production: Film \& Media Part 1 & 3 & C \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C \\
\hline Upper Division Digital Culture Studies OR Related Digital Culture Course & 3 & C \\
\hline Elective OR AME 484: Internship & 3 & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
Term 6 78 93 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|c|}
\hline FMP Upper Division Elective OR FMP 403: Independent Film (HU) OR FMP 404: World Cinema (G) & 3 & C & \\
\hline Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division Related Digital Culture Course OR Upper Division Digital Media - Media Arts \& Design & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W AME 486: Digital Culture Capstone II & 3 & C & \\
\hline FMP 394: Special Topics OR FMP 405: Film and Television: Pioneers, Practices and Innovations (HU) & 3 & C & \\
\hline Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division Digital Media - Media Engineering & 3 & C & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- Digital Culture and Concentration coursework: refer to additional notes and program advisor for course selection.
Hide Course List(s)/Track Group(s)
Digital Culture Studies Course List
AME 220: Programming for the Web \begin{tabular}{l} 
Digital Media - Media Arts \& Design Course \\
AME 244: Introduction to Interactive
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{ANP 394: Digital Modeling and Fabrication} \\
\hline \multicolumn{2}{|l|}{ART 116: Introduction to Digital Media} \\
\hline \multicolumn{2}{|l|}{ART 218: 3D Tools} \\
\hline \multicolumn{2}{|l|}{DCE 294:} \\
\hline \multicolumn{2}{|l|}{HybridAction:PhysicalIntelligenceinDigitalCulture} \\
\hline \multicolumn{2}{|l|}{MDC 211: Introduction to Digital Sound} \\
\hline \multicolumn{2}{|l|}{MDC 311: Composing and Performing for Hybrid} \\
\hline \multicolumn{2}{|l|}{Ensembles} \\
\hline Related Digital Culture Course List & History/Theory Course List \\
\hline ASB 328: Rules, Games, and Society (L) & ALA 100: Introduction to Environmental Design (HU \& H \& G) \\
\hline ASB 344: Technology and Society (L or SB) or SOC 334: Technology and Society (L or SB) & ALA 102: Landscapes and Sustainability (HU \& G) \\
\hline HDA 210: Creativity and Innovation in Design and the Arts & APH 300: World Architecture I/Western Cultures (HU \& H \& G) \\
\hline HDA 252: Foundations of Arts & APH 313: History of Architecture I ((L or HU) \\
\hline Entrepreneurship & \& G \& H) \\
\hline HDA 310: Socially Engaged Practice & APH 314: History of Architecture II ((L or \\
\hline \multicolumn{2}{|l|}{IAP 102: Foundations I: Performance HU) \& G \& H)} \\
\hline Techniques and Composition & APH 405: Contemporary Architecture and \\
\hline \multirow[b]{2}{*}{IAP 105: Foundations I: Fundamentals of Visual Art} & Urbanism 1970 to the Present (HU \& H) \\
\hline & ARA 202: Understanding Photographs \\
\hline MCO 435: Social Media & ARA 498: Photography and Language (L) \\
\hline MGT 290: My Life Venture & ARS 102: Art from Renaissance to Modernism \\
\hline \multicolumn{2}{|l|}{OMT 402: Legal Issues for Technologists} \\
\hline \multirow[t]{2}{*}{TEM 311: Opportunity Analysis} & ARS 345: Art and Television \\
\hline & ARS 438: Art of the 20th Century I (HU \& H) \\
\hline & ARS 439: Art of the 20th Century II (HU \& H) \\
\hline & ARS 440: Identity and World Film \\
\hline & DCE 300: Moving Histories (HU) \\
\hline & DSC 101: Design Awareness (HU \& G) \\
\hline & FMP 403: Independent Film (HU) \\
\hline & FMP 404: World Cinema (G) \\
\hline & FMP 405: Film and Television: Pioneers, Practices and Innovations (HU) \\
\hline & GRA 111: Graphic Design History I (HU) \\
\hline & GRA 112: Graphic Design History II \\
\hline & IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) \\
\hline
\end{tabular}
\begin{tabular}{|c|}
\hline IND 316: 20th-Century Design I (HU \& H) \\
\hline IND 317: 20th-Century Design II (HU \& H) \\
\hline INT 111: Interior Design Issues and Theories (HU) \\
\hline INT 310: History of Interior Design I (HU \& H) \\
\hline INT 311: History of Interior Design II (HU \& H) \\
\hline LPH 310: History of Landscape Architecture (HU \& H) \\
\hline LPH 311: 20th-Century Landscape Architecture (HU) \\
\hline MHL 440: Topics in 20th-Century Music (L or HU) \\
\hline MHL 494: Music and Movement in Urban Culture \\
\hline MUS 347: Jazz in America (HU \& C) \\
\hline MUS 356: Broadway and the American Musical (HU) \\
\hline THE 320: History of the Theatre I (HU \& H) \\
\hline THE 322: Theatre History and Culture (HU \& H) \\
\hline THP 482: Theatre for Social Change (C) \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Digital Culture (Graphic Information Technology), BA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIDGCTEBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) AME 101: ASU Digital Culture Experience & 1 & C & \multirow{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
\end{tabular}} \\
\hline (4) AME 111: Introduction to Digital Culture (CS) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)
\end{tabular} & 6 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4) Maintain 3.00 GPA in Digital Culture coursework.} & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses:}

AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)

GIT 211: Introduction to Video Game Art OR GIT 215:
Introduction to Web Authoring
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
!. Maintain 3.00 GPA in Digital Culture coursework.
(1.) Minimum 2.50.....................................
(7) Milestone: GPA First-Year Review

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 3 31-47 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline GIT 230: Digital Illustration in Publishing & 3 & C \\
\hline TMC 110: Understanding the Enterprise & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline Natural Science - Quantitative (SQ) ( PHY 101 recommended) & 4 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline
\end{tabular}
- All Digital Culture majors must have a 3.0 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.0, the student will be placed on a probationary status for 1 term. If the student is not successful in raising their digital culture GPA to a 3.0 after the probationary term, the student will not be able to continue in the Digital Culture program.
- Students interested in the Animation focus should take GIT 211
- Students interested in the Web focus should take GIT 215.
- Join a student club or professional organization.
- Build your skills.

Complete MAT 210 course(s).

Maintain 3.00 GPA in Digital Culture coursework.
(1.) Minimum 2.50.............................................................................

Complete Mathematics (MA) requirement.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 44-62 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline GIT 237: Web Content Design OR GIT 312: 3-D Computer Graphics Modeling and Representation (CS) & 3 & C \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C \\
\hline Technological Entrepreneurship Course & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Lower Division Elective & 3 & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Term hours subtotal: 15
\begin{tabular}{|c|c|c|}
\hline Term 562-78 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline Upper Division Digital Culture Studies & 3 & C \\
\hline GIT 411: Computer Animation OR GIT 414: Web Site Design and Internet/Web Technologies & 3 & C \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C \\
\hline Upper Division Technological Entrepreneurship Course & 3 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Term hours subtotal & 16 & \\
\hline
\end{tabular}
Term 6 78-93 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|}
\hline AME 485: Digital Culture Capstone I & 3 & C \\
\hline Upper Division Digital Culture Studies OR Digital Media - Media Engineering Course & 3 & C \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C \\
\hline Upper Division Technological Entrepreneurship Course & 3 & C \\
\hline Elective OR AME 484: Internship & 3 & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 15 & \\
\hline Term 8 108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline § AME 486: Digital Culture Capstone II & 3 & C \\
\hline Upper Division Digital Culture Studies OR Upper Division Digital Media - Media Arts \& Design OR Digital Media - Media Engineering Course & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 12 & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
\begin{tabular}{ll}
\hline Digital Culture Studies Course List & \begin{tabular}{l} 
Digital Media - Media Arts \& Design Course \\
List
\end{tabular} \\
\hline AME 220: Programming for the Web & \begin{tabular}{l} 
ART 206: Digital Photography I: The Still \\
Image in Digital Culture
\end{tabular} \\
\hline \begin{tabular}{l} 
AME 244: Introduction to Interactive \\
Environments
\end{tabular} & \begin{tabular}{l} 
ART 217: Introduction to Computer \\
Animation
\end{tabular} \\
AME 320: Motion Capture for Integrative Systems
\end{tabular} Media

AME 494: Animating Virtual Worlds
AME 494: Special Topics

ANP 394: Digital Modeling and Fabrication
ART 116: Introduction to Digital Media
ART 218: 3D Tools
DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture
MDC 211: Introduction to Digital Sound
MDC 311: Composing and Performing for Hybrid Ensembles

Technological Entrepreneurship Course List
OMT 430: Ethical Issues in Technology
OMT 480: Organizational Effectiveness
TEM 230: Creativity and Business Innovation
TEM 330: Systems Innovation
TEM 431: Innovation Management
TMC 310: Promotion of the Enterprise

TMC 320: Funding the Enterprise
TMC 330: Leading the Enterprise

TMC 430: Enterprise Strategy and Innovation

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Digital Culture (Interdisciplinary Arts and Performance), BA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIDCIAPBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1. AME 101: ASU Digital Culture Experience & 1 & C & \multirow{9}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
\end{tabular}} \\
\hline 1. AME 111: Introduction to Digital Culture (CS) & 3 & C & \\
\hline AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS) & 3 & C & \\
\hline IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline \multicolumn{3}{|l|}{¢. Maintain 3.00 GPA in Digital Culture coursework.} & \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Complete 3 courses:
1.

130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Social-Behavioral Sciences (SB) AND Cultural Diversity in the
U.S. (C)
3

1 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Maintain 3.00 GPA in Digital Culture coursework.
Minimum 2.50 GPA ASU Cumulative.
Milestone: GPA First-Year Review
\begin{tabular}{|c|c|c|}
\hline Term 3 31-47 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C \\
\hline Interdisciplinary Arts and Performance Concentration & 3 & C \\
\hline Natural Science - Quantitative (SQ) ( PHY 101 recommended) & 4 & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline Lower Division Elective & 3 & \\
\hline
\end{tabular}

Complete MAT 210 course(s).
- All Digital Culture majors must have a 3.0 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.0, the student will be placed on a probationary status for 1 term. If the student is not successful in raising their digital culture GPA to a 3.0 after the probationary term, the student will not be able to continue in the Digital Culture program.
- Join a student club or professional organization.

Maintain 3.00 GPA in Digital Culture coursework.
Minimum 2.50 GPA ASU Cumulative.
Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 47-62 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Interdisciplinary Arts and Performance Concentration
\end{tabular} & 6 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Lower Division Elective & 3 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline
\end{tabular}

Term hours subtotal: \(\quad 15\)
\begin{tabular}{|c|c|c|c|}
\hline Term 562-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline W Upper Division Digital Culture Studies & 3 & C & \multirow{2}{*}{- Build a digital portfolio.} \\
\hline IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) OR IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) & 3 & C & \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division Interdisciplinary Arts and Performance Concentration & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Upper Division Digital Culture Studies & 3 & C \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Interdisciplinary Arts and Performance Concentration
\end{tabular} & 6 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Explore an internship.
\begin{tabular}{c|c}
\begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline C & \\
\hdashline\(-\quad\) Gather professional references.
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Upper Division Digital Culture Studies OR Digital Media - Media Engineering Course & 3 & C & \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division Interdisciplinary Arts and Performance Concentration & 3 & C & \\
\hline Elective OR AME 484: Internship & 3 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% AME 486: Digital Culture Capstone II & 3 & C & \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division Interdisciplinary Arts and Performance Concentration & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Digital Culture Studies Course List
AME 220: Programming for the Web

AME 244: Introduction to Interactive Environments

AME 320: Motion Capture for Integrative Systems
AME 330: Digital-Physical Systems
AME 340: Compositional and Computational Principles for Media Arts

AME 394: Special Topics
AME 411: Advanced Interactive Sound

AME 430: Mac Development for Media Arts

AME 435: Mobile Development

AME 444: Media Installations

AME 470: Programming for Social and Interactive Media

AME 494: Animating Virtual Worlds

AME 494: Special Topics

ANP 394: Digital Modeling and Fabrication

ART 116: Introduction to Digital Media

Digital Media - Media Arts \& Design Course List

ART 206: Digital Photography I: The Still Image in Digital Culture

ART 217: Introduction to Computer Animation

ART 218: 3D Tools
ART 494: Visual Prototyping
FMP 240: Introduction to Animation for Film

FMP 394: Non-Linear Editing for Film and Media

IAP 103: Foundations I: Interdisciplinary Digital Media

IAP 104: Foundations I: Fundamentals of Sound Art

Interdisciplinary Arts and Performance Concentration Course List

IAP 102: Foundations I: Performance Techniques and Composition

IAP 103: Foundations I: Interdisciplinary Digital Media

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 105: Foundations I: Fundamentals of Visual Art

IAP 307: Art and War (HU \& G)

IAP 321: Music Composition I
IAP 322: Multitrack Digital Recording
IAP 324: The Voice and Performance

IAP 325: Sound Performance: Exploring Alternative Performance Groups

IAP 333: Directing for Performance
IAP 354: Visual Representation
IAP 361: Digital Editing and Media Literacy (CS)

IAP 363: Sound, Image, and Media

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture
MDC 211: Introduction to Digital Sound
MDC 311: Composing and Performing for Hybrid Ensembles

Digital Media - Media Engineering Course List

AME 410: Interactive Materials
AME 430: Mac Development for Media Arts
EEE 307: Signal Processing for Digital Culture

IAP 365: Digital Interactivity
IAP 375: Contemporary Performance:
Theories and Practice
IAP 394: Special Topics
IAP 431: Perspectives on Performance and Acting

IAP 441: Movement for Performance
IAP 464: Media and Diversity (HU \& G)
IAP 466: Digital Interactivity, Advanced
IAP 468: Digital Graphic Applications
IAP 469: Advanced Audio Production
IAP 471: Language, Culture, and
Performance (L or HU)
IAP 494: Special Topics

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Digital Culture (Media Processing), BA}

School/College: Herberger Institute for Design and the Arts Location: Tempe campus
HIDGCMPBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) AME 101: ASU Digital Culture Experience & 1 & C & \multirow{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
\end{tabular}} \\
\hline (1) AME 111: Introduction to Digital Culture (CS) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)
\end{tabular} & 6 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4) Maintain 3.00 GPA in Digital Culture coursework.} & \\
\hline \multicolumn{3}{|l|}{(1) Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses:}AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)

CPI 111: Game Development I (CS) OR CSE 110: Principles of
4 Programming with Java (CS) OR EEE 120: Digital Design
3 C Fundamentals

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3 ENG 107 or ENG 108: First-Year Composition

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Maintain 3.00 GPA in Digital Culture coursework.
1. Minimum 2.50 GPA ASU Cumulative.

1 Milestone: GPA First-Year Review
Term hours subtotal: 15
- All Digital Culture majors must have a 3.0 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.0, the student will be placed on a probationary status for 1 term. If the student is not successful in raising their digital culture GPA to a 3.0 after the probationary term, the student will not be able to continue in the Digital Culture program.
- Students should choose to take either the Computer Science (CSE/CPI) or Electrical Engineering (EEE) courses within the Media Processing concentration
- Join a student club or professional organization.
\begin{tabular}{|c|c|c|}
\hline Term 331-47 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C \\
\hline Media Processing Concentration & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline Natural Science - Quantitative (SQ) ( PHY 101 recommended) & 4 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline
\end{tabular}
Complete MAT 210 course(s).
Maintain 3.00 GPA in Digital Culture coursework.
Minimum 2.50 GPA ASU Cumulative.
Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 4-62 Credit Hours Critical course signified by \({ }^{\text {4- }}\) & Hours & Minimum Grade \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Media Processing Concentration
\end{tabular} & 6 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Lower Division Elective & 3 & \\
\hline 9. Maintain 3.00 GPA in Digital Culture coursework. & & \\
\hline 1. Minimum 2.50 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Term hours subtotal:
15

\begin{tabular}{|c|c|c|c|}
\hline U Upper Division Digital Culture Studies & 3 & C & \multirow[b]{9}{*}{- Explore aninternship.} \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Media Processing Concentration
\end{tabular} & 6 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline AME 485: Digital Culture Capstone I & 3 & C & \\
\hline Upper Division Digital Culture Studies OR Digital Media - Media & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C \\
\hline Upper Division Media Processing Concentration & 3 & C \\
\hline Elective OR AME 484: Internship & 3 & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline F AME 486: Digital Culture Capstone II & 3 & C & \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline Upper Division Media Processing Concentration & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline
\end{tabular}
Hide Course List(s)/Track Group(s)
Digital Culture Studies Course List

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture
MDC 211: Introduction to Digital Sound
MDC 311: Composing and Performing for Hybrid Ensembles

Digital Media - Media Engineering Course List

AME 410: Interactive Materials
AME 430: Mac Development for Media Arts
EEE 307: Signal Processing for Digital Culture

CSE 463: Introduction to Human Computer Interaction

CSE 470: Computer Graphics
EEE 120: Digital Design Fundamentals
EEE 202: Circuits I
EEE 203: Signals and Systems I
EEE 230: Computer Organization and
Assembly Language Programming
EEE 304: Signals and Systems II
EEE 307: Signal Processing for Digital Culture

EEE 404: Real-Time DSP Systems
EEE 459: Communication Networks
FSE 100: Introduction to Engineering
IEE 431: Engineering Administration (L)
IEE 437: Human Factors Engineering

IEE 458: Project Management
MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Digital Culture (Music), BA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIDGCMBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) AME 101: ASU Digital Culture Experience & 1 & C & \multirow{9}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
\end{tabular}} \\
\hline (4) AME 111: Introduction to Digital Culture (CS) & 3 & C & \\
\hline AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS) & 3 & C & \\
\hline MUS 100: Fundamentals of Music Notation OR MTC 125: Basic Music Theory & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4) Maintain 3.00 GPA in Digital Culture coursework.} & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Complete 3 courses.
1.

130: Prototyping Dreams (L) OR AME 210: Media Editing OR
AME 230: Programming for the Media Arts (CS)
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

3

1 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Maintain 3.00 GPA in Digital Culture coursework.
Minimum 2.50 GPA ASU Cumulative.
Milestone: GPA First-Year Review
Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 331-47 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C \\
\hline Music Production Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline Natural Science - Quantitative (SQ) ( PHY 101 recommended) & 4 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline
\end{tabular}

Complete MAT 210 course.
- All Digital Culture majors must have a 3.0 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.0, the student will be placed on a probationary status for 1 term. If the student is not successful in raising their digital culture GPA to a 3.0 after the probationary term, the student will not be able to continue in the Digital Culture program.
- Join a student club or professional organization.

Maintain 3.00 GPA in Digital Culture coursework.
Minimum 2.50 GPA ASU Cumulative.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Complete First-Year Composition requirement.} \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16 & \\
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C \\
\hline MUS OR MUP OR MUE OR MTC Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Lower Division Elective & 3 & \\
\hline \multicolumn{3}{|l|}{1. Maintain 3.00 GPA in Digital Culture coursework.} \\
\hline 4. Minimum 2.50 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Digital Culture Studies & 3 & C & \multirow[t]{7}{*}{- Build a digital portfolio.} \\
\hline Upper Division Digital Culture Studies OR Related Digital Culture Course & 3 & C & \\
\hline Upper Division Digital Media - Media Arts \& Design OR Upper Division Digital Culture Studies & 3 & C & \\
\hline History/Theory Course & 3 & C & \\
\hline Elective OR AME 484: Internship & 3 & & \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline
\end{tabular}
Term 6 78-92 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|l|}{MUS 354: Beatles (HU) OR MUS 354: Classic Rock: 1950-1975 (HU)} \\
\hline \multicolumn{2}{|l|}{OR MUS 354: Elvis (HU) OR MUS 354: Popular Music (HU) OR MUS} & \multirow[t]{3}{*}{3} & \multirow[t]{3}{*}{C} & \\
\hline \multicolumn{3}{|l|}{354: Rock Since 1975 (HU) OR MUS 362: Rap Music and Hip Hop} & & \\
\hline \multicolumn{3}{|l|}{Culture (HU \& C)} & & \\
\hline \multicolumn{2}{|l|}{Upper Division Digital Culture Studies} & 3 & C & \\
\hline \multicolumn{2}{|l|}{Upper Division Related Digital Culture Course} & 3 & C & \\
\hline \multicolumn{2}{|l|}{Upper Division Elective} & 3 & & \\
\hline \multicolumn{5}{|l|}{Maintain 3.00 GPA in Digital Culture coursework.} \\
\hline \multicolumn{5}{|l|}{Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multicolumn{2}{|l|}{Term hours subtotal:} & \multicolumn{2}{|l|}{15} & \\
\hline Term 8 107-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & & Notes \\
\hline \% AME 486: Digital Culture Capstone II & 3 & C & & - If you took MTC 436, MUP 319 or MTC 437 \\
\hline Upper Division Digital Culture Studies & 3 & C & & in term 6, you will need to complete one \\
\hline Upper Division Digital Media - Media Engineering & 3 & C & & additional hour (or 4 hours total) of MUS OR \\
\hline MUS OR MUP OR MUE OR MTC Upper Division Elective & 4-3 & C & & MUP OR MUE OR MTC Upper Division Elective in term 8. \\
\hline Maintain 3.00 GPA in Digital Culture coursework. & .... & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Digital Culture Studies Course List
AME 220: Programming for the Web

AME 244: Introduction to Interactive Environments

AME 320: Motion Capture for Integrative Systems
AME 330: Digital-Physical Systems
AME 340: Compositional and Computational Principles for Media Arts

AME 394: Special Topics
AME 411: Advanced Interactive Sound

AME 430: Mac Development for Media Arts

AME 435: Mobile Development

AME 444: Media Installations

AME 470: Programming for Social and Interactive Media

AME 494: Animating Virtual Worlds

AME 494: Special Topics
ANP 394: Digital Modeling and Fabrication

ART 116: Introduction to Digital Media

ART 218: 3D Tools

Digital Media - Media Arts \& Design Course List

ART 206: Digital Photography I: The Still Image in Digital Culture

ART 217: Introduction to Computer Animation

\section*{ART 218: 3D Tools}

\section*{ART 494: Visual Prototyping}

FMP 240: Introduction to Animation for Film

FMP 394: Non-Linear Editing for Film and Media

IAP 103: Foundations I: Interdisciplinary Digital Media

IAP 104: Foundations I: Fundamentals of Sound Art

Digital Media - Media Engineering Course List

\section*{AME 410: Interactive Materials}

AME 430: Mac Development for Media Arts
EEE 307: Signal Processing for Digital Culture

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture
MDC 211: Introduction to Digital Sound
MDC 311: Composing and Performing for Hybrid
Ensembles
\begin{tabular}{|c|c|}
\hline Music Production Elective Course List & Related Digital Culture Course List \\
\hline MUS 294: Songwriting & ASB 328: Rules, Games, and Society (L) \\
\hline MUS 294: Producing Hip Hop and Dance Music I & ASB 344: Technology and Society (L or SB) or SOC 334: Technology and Society (L or \\
\hline \multirow[t]{10}{*}{MUS 294: Song Production with Garage Band} & SB) \\
\hline & HDA 210: Creativity and Innovation in Design and the Arts \\
\hline & HDA 252: Foundations of Arts Entrepreneurship \\
\hline & HDA 310: Socially Engaged Practice \\
\hline & IAP 102: Foundations I: Performance Techniques and Composition \\
\hline & IAP 105: Foundations I: Fundamentals of Visual Art \\
\hline & MCO 435: Social Media \\
\hline & MGT 290: My Life Venture \\
\hline & OMT 402: Legal Issues for Technologists \\
\hline & TEM 311: Opportunity Analysis \\
\hline
\end{tabular}

History/Theory Course List
ALA 100: Introduction to Environmental Design (HU \& H \& G)

ALA 102: Landscapes and Sustainability (HU \& G)

APH 300: World Architecture I/Western Cultures (HU \& H \& G)

APH 313: History of Architecture I ((L or HU) \& G \& H)

APH 314: History of Architecture II ((L or HU) \& G \& H)

APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU \& H)

ARA 202: Understanding Photographs
ARA 498: Photography and Language (L)
ARS 102: Art from Renaissance to Modernism (HU \& H)

ARS 345: Art and Television
ARS 438: Art of the 20th Century I (HU \& H)
ARS 439: Art of the 20th Century II (HU \& H)

ARS 440: Identity and World Film
DCE 300: Moving Histories (HU)
DSC 101: Design Awareness (HU \& G)
FMP 403: Independent Film (HU)
FMP 404: World Cinema (G)

FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)

GRA 111: Graphic Design History I (HU)
GRA 112: Graphic Design History II
IAP 305: 20th and 21st Century Art,
Performance, and Media (L or HU)
IND 316: 20th-Century Design I (HU \& H)
IND 317: 20th-Century Design II (HU \& H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU \& H)

INT 311: History of Interior Design II (HU \& H)

LPH 310: History of Landscape Architecture ( \(\mathrm{HU} \& \mathrm{H}\) )

LPH 311: 20th-Century Landscape
Architecture (HU)
MHL 440: Topics in 20th-Century Music (L or HU)

MHL 494: Music and Movement in Urban Culture

MUS 347: Jazz in America (HU \& C)
MUS 356: Broadway and the American Musical (HU)

THE 320: History of the Theatre I (HU \& H)
THE 322: Theatre History and Culture (HU \& H)

THP 482: Theatre for Social Change (C)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Digital Culture (Theatre), BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIDGCTBA

```
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. AME 101: ASU Digital Culture Experience & 1 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular}} \\
\hline - AME 111: Introduction to Digital Culture (CS) & 3 & C & \\
\hline AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS) & 3 & C & \\
\hline THF 215: Design and Composition for Theatre and Film & 3 & C & \multirow[t]{8}{*}{- ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline (1) Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline 4. Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Complete 3 courses:
AME 112: Computational Thinking for Digital Culture OR AME 130: Prototyping Dreams (L) OR AME 210: Media Editing OR AME 230: Programming for the Media Arts (CS)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)
1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
- Maintain 3.00 GPA in Digital Culture coursework.
- Minimum 2.50 GPA ASU Cumulative.

Milestone: GPA First-Year Review
Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 3 31-47 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C \\
\hline THE OR THP OR FMP Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline Natural Science - Quantitative (SQ) ( PHY 101 recommended) & 4 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline
\end{tabular}
!. Complete MAT 210 course
1. Maintain 3.00 GPA in Digital Culture coursework.
- All Digital Culture majors must have a 3.0 Digital Culture GPA at the end of Term 2 to continue in the program. If a student's Digital Culture GPA is below a 3.0, the student will be placed on a probationary status for 1 term. If the student is not successful in raising their digital culture GPA to a 3.0 after the probationary term, the student will not be able to continue in the Digital Culture program.
- Join a student club or professional organization.
(1) Minimum 2.50 GPA ASU Cumulative.

Complete Mathematics (MA) requirement.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minimum Grade & Notes \\
\hline Digital Media - Media Arts \& Design OR Digital Culture Studies & 3 & C & \\
\hline History/Theory Course & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Lower Division Elective & 3 & & \\
\hline 4. Maintain 3.00 GPA in Digital Culture coursework. & & & \\
\hline
\end{tabular}

Term hours subtotal: 16

Term 6 78 93 Credit Hours Necessary course signified by


MDC 311: Composing and Performing for Hybrid Ensembles
Upper Division Theatre Design I Course List
THP 330: Costume Design
THP 340: Scene Design
THP 345: Lighting Design
THP 350: Sound Design
THP 355: Media Design for Performance
THP 494: Art Direction

Upper Division Theatre Design II Course List

THP 431: Advanced Costume Construction THP 435: Technical Direction

THP 442: Drawing
THP 444: Drafting for the Stage THP 448: AutoCAD for Live Entertainment THP 450: Theatre Organization and Management

FMP 403: Independent Film (HU)

FMP 404: World Cinema (G)

FMP 405: Film and Television: Pioneers, Practices and Innovations (HU)

GRA 111: Graphic Design History I (HU)
GRA 112: Graphic Design History II
IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU \& H)

IND 317: 20th-Century Design II (HU \& H)
INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU \& H)

INT 311: History of Interior Design II (HU \& H)

LPH 310: History of Landscape Architecture (HU \& H)

LPH 311: 20th-Century Landscape Architecture (HU)

MHL 440: Topics in 20th-Century Music (L or HU)

MHL 494: Music and Movement in Urban Culture

MUS 347: Jazz in America (HU \& C)
MUS 356: Broadway and the American Musical (HU)

THE 320: History of the Theatre I (HU \& H)
THE 322: Theatre History and Culture (HU \& H)

THP 482: Theatre for Social Change (C)

Digital Media - Media Engineering Course List

AME 410: Interactive Materials AME 430: Mac Development for Media Arts EEE 307: Signal Processing for Digital Culture
```

ASB 328: Rules, Games, and Society (L)
ASB 344: Technology and Society (L or SB)
or SOC 334: Technology and Society (L or
SB)
HDA 210: Creativity and Innovation in Design
and the Arts
HDA 252: Foundations of Arts
Entrepreneurship
HDA 310: Socially Engaged Practice
IAP 102: Foundations I: Performance
Techniques and Composition
IAP 105: Foundations I: Fundamentals of
Visual Art
MCO 435: Social Media
MGT 290: My Life Venture
OMT 402: Legal Issues for Technologists
TEM 311: Opportunity Analysis

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Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Environmental Design, BS}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIEDSBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline (1) DSC 100: ASU Design Experience & 1 & C \\
\hline 4. Design Culture and Literacy I & 3 & C \\
\hline (4) Design Fundamentals and Principles I & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 170: Precalculus (MA) & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline Term hours subtota & 16 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. DSC 100 fulfills this requirement.
- Join a student club or professional organization
\begin{tabular}{|c|c|c|}
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (4) Design Culture and Literacy II & 3 & C \\
\hline (4) Design Fundamentals and Principles II & 3-4 & C \\
\hline Main Focus Area Elective & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline PSY 101: Introduction to Psychology (SB) OR Social-Behavioral Sciences (SB) & 3 & \\
\hline
\end{tabular}
- Please work with your academic advisor for Social and Behavioral Sciences (SB) general studies course options related to your focus area.

\begin{tabular}{|c|c|c|c|}
\hline -. EDS 200: Design Literacy and Communication & 3 & C & \multirow{3}{*}{- Complete an in person or virtual practice interview} \\
\hline Main Focus Area Elective & 3 & C & \\
\hline Secondary Focus Area Elective & 3 & C & \\
\hline Literacy and Critical Inquiry (L) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W GRA 440: Finding Purpose & 3 & C & \multirow[t]{5}{*}{- Develop your skills} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Main Focus Area Elective
\end{tabular} & 6 & C & \\
\hline Secondary Focus Area Elective & 3 & C & \\
\hline Upper Division Design History & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ENG 301: Writing for the Professions (L) & 3 & & \\
\hline Upper Division Main Focus Area Elective & 3 & C & \\
\hline Upper Division Secondary Focus Area Elective & 3 & C & \\
\hline Upper Division Design Entrepreneurship & 3 & C & \\
\hline Upper Division Design History & 3 & C & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline IT EDS 301: Contemporary Issues in Design Strategies and Innovation & 3 & C & \multirow[t]{6}{*}{- Gather professional references} \\
\hline EDS 401: Environmental Design Synthesis I & 3 & C & \\
\hline Upper Division Main Focus Area Elective & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § EDS 402: Environmental Design Synthesis II & 3 & C & \\
\hline Upper Division Main Focus Area Elective & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}

Design Culture and Literacy Course List I (choose 1 course; 3 hours)

ALA 100: Introduction to Environmental Design (HU \& H \& G)

ALA 102: Landscapes and Sustainability (HU \& G)

DSC 101: Design Awareness (HU \& G)
GRA 101: Designing Life

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II
INT 111: Interior Design Issues and Theories (HU)

Design Culture and Literacy II Course List (choose 1 course; 3 hours)

ALA 100: Introduction to Environmental Design (HU \& H \& G)

ALA 102: Landscapes and Sustainability (HU \& G)

COM 100: Introduction to Human Communication (SB)

COM 110: Elements of Interpersonal Communication (SB)

CON 101: Construction and Culture: a Built Environment (HU \& H)

DSC 101: Design Awareness (HU \& G) GRA 101: Designing Life

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II
INT 111: Interior Design Issues and Theories (HU)

INT 131: Design and Human Behavior (SB)
PHI 103: Principles of Sound Reasoning (L or HU)

PHI 105: Intro to Ethics (HU)

Design Fundamentals and Principles I Course List (choose 1 course; 3 hours)

ALA 121: Design Fundamentals I
GRA 121: Principles for Graphic Design I
IND 120: Drawing for Industrial Design
INT 120: Design Fundamentals I
INT 121: Introduction to Computer Modeling for Interior Design (CS)

Design Fundamentals and Principles II Course List (choose 1 course; 3-4 hours)

ALA 122: Design Fundamentals II AND ALA 124: Design Fundamentals II Lecture

GRA 122: Principles for Graphic Design II
GRA 225: Communication/Interaction Design Theory

GRA 294: Dynamic Visual Representation
IND 121: Principles for Industrial Design I AND IND 122: Principles for Industrial Design II

INT 123: Introduction to Computer-Aided Design and Building Information Modeling

INT 221: Principles of Design AND INT 222: Design Fundamentals II Lecture

Design Entrepreneurship (choose 1 course; 3 hours)

DSC 394: Design Entrepreneurship \& Society
DSC 494: Practice Management

Design History Elective (Choose 2 courses; 6 hours)

APH 300: World Architecture I/Western Cultures (HU \& H \& G) or APH 313: History of Architecture I ((L or HU) \& G \& H)

APH 314: History of Architecture II ((L or HU) \& G \& H)

APH 405: Contemporary Architecture and Urbanism 1970 to the Present (HU \& H) APH 414: Great Cities ((L or HU) \& H) APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU)

IND 316: 20th-Century Design I (HU \& H)
IND 317: 20th-Century Design II (HU \& H)
INT 310: History of Interior Design I (HU \& H)

INT 311: History of Interior Design II (HU \& H)

INT 415: Latin American Design
INT 494: Contemporary Design Issues in Europe

INT 494: Design and Context
LAP 485: International Field Studies
LPH 310: History of Landscape Architecture ( \(\mathrm{HU} \& \mathrm{H}\) )

LPH 311: 20th-Century Landscape Architecture (HU)
\begin{tabular}{|c|c|}
\hline Design Management, Innovation and Strategy Focus (Choose 7 courses; 21 hours in the main focus area; 3 courses; 9 hours in the other area of focus) & Design, Environment and Sustainability Focus (Choose 7 courses; 21 hours in the main focus area; 3 courses; 9 hours in the other area of focus) \\
\hline ACC 382: Accounting and Financial Analysis & ATE 361: Architectural Technology I \\
\hline \multirow[t]{2}{*}{ARA 396: Professional Practices for Design and the Arts} & ATE 362: Architectural Technology II \\
\hline & ATE 452: Architectural Technology III \\
\hline \multirow[t]{2}{*}{COM 100: Introduction to Human Communication (SB)} & \\
\hline & CON 294: Deductive Logic, \\
\hline \multirow[t]{2}{*}{COM 110: Elements of Interpersonal Communication (SB)} & \\
\hline & DSC 494: Economics of Building Design \\
\hline COM 225: Public Speaking (L) & EDS 484: Internship \\
\hline COM 230: Small Group Communication (SB) & GRA 401: Creative Environment \\
\hline \multirow[t]{2}{*}{COM 250: Communication and the Workplace (SB)} & IND 242: Materials and Design \\
\hline & IND 344: Human Factors in Design \\
\hline COM 259: Communication in Business and the Professions & INT 341: Interior Codes: Public Welfare and Safety \\
\hline COM 263: Elements of Intercultural Communication (SB \& C \& G) & INT 351: Ambient Environment \\
\hline \multirow[t]{2}{*}{COM 312: Communication, Conflict, and Negotiation} & INT 471: Facilities Management \\
\hline & LAP 254: Plant Materials \\
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
CON 294: Deductive Logic, \\
Leadership/Management Techniques
\end{tabular}} & LTC 343: Landscape Construction I \\
\hline & \\
\hline \multirow[t]{2}{*}{CON 494: Facilities Management Operations and Maintenance} & \\
\hline & PHI 103: Principles of Sound Reasoning (L or \(\mathrm{HU})\) \\
\hline \multirow[t]{2}{*}{DSC 494: Economics of Building Design} & \\
\hline & PHI 105: Intro to Ethics (HU) \\
\hline DSC 494: Practice Management & PHI 360: Business and Professional Ethics \\
\hline ECN 211: Macroeconomic Principles (SB) & (HU) \\
\hline ECN 212: Microeconomic Principles (SB) & PUP 301: Introduction to Urban Planning (L) \\
\hline ECN 382: Managerial Economics & PUP 363: History of Planning \\
\hline EDS 484: Internship & PUP 420: Theory of Urban Design (HU) \\
\hline FIN 380: Personal Financial Management & SOS 111: Sustainable Cities ((HU or SB) \& \\
\hline GRA 345: Design Rhetoric (L) & G) \\
\hline GRA 401: Creative Environment & SOS 300: Advanced Concepts and Integrated Approaches in Sustainability \\
\hline HDA 210: Creativity and Innovation in Design and the Arts & SOS 320: Society and Sustainability (L or SB) \\
\hline \multirow[b]{2}{*}{HDA 252: Foundations of Arts Entrepreneurship} & SOS 323: Sustainable Urban Dynamics \\
\hline & SOS 324: Sustainable Energy Technology and \\
\hline \multirow[t]{2}{*}{HDA 420: Design and the Arts Business Administration} & Systems \\
\hline & SOS 325: The Economics of Sustainability \\
\hline IND 242: Materials and Design & URB 406: Public Administration \& \\
\hline IND 344: Human Factors in Design & Community Development \\
\hline
\end{tabular}


URB 494: Public Engagement in Urban
Contexts

INT 471: Facilities Management
INT 472: Professional Practice for Interior Design

LES 380: Consumer Perspective of Business Law

MGT 290: My Life Venture
MGT 380: Management and Strategy for Nonmajors

MKT 390: Essentials of Marketing
MKT 391: Essentials of Selling
MKT 395: Essentials of Advertising and Marketing Communication

PHI 103: Principles of Sound Reasoning (L or HU)

PHI 105: Intro to Ethics (HU)
PHI 306: Applied Ethics (HU)
PHI 360: Business and Professional Ethics (HU)

SOC 324: Work and the Workplace (SB \& H)
THP 452: Arts Entrepreneurship Seminar
TWC 301: Fundamentals of Writing for Digital Media (L)

TWC 347: Written Communication for Managers (L)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Fashion, BA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIFSHBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) ARA 101: ASU: The Art Experience & 1 & & \multirow[t]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in Mathematics course. \\
- ARA 101: The Art Experience is required of all freshman art majors only. \\
- Join astudent clubor professional organization.
\end{tabular}} \\
\hline FSH 125: Survey of the Fashion Industry & 3 & C & \\
\hline INT 121: Introduction to Computer Modeling for Interior Design (CS) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Mathematics (MA) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1. ARS 100: Introduction to Art (HU) OR ARS 300: Introduction to Art (HU) & 3 & C & \\
\hline (1) ART 110: Drawing as Seeing and Thinking (HU) & 3 & C & \\
\hline FSH 201: Textiles Survey & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR & 3 & \multirow[t]{2}{*}{C} & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \multicolumn{3}{|l|}{(1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 331-47 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline FSH 202: Fashion Construction & 3 & C & \\
\hline FSH 203: Fashion Illustration & 3 & C & \\
\hline FSH 208: Fashion Technology & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{(4) Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{16} & \\
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline FSH 204: Social Aspects of Fashion & 3 & C \\
\hline FSH 206: Fashion Design & 3 & C \\
\hline FSH 280: Fashion Merchandising & 3 & C \\
\hline Fashion Elective & 3 & C \\
\hline
\end{tabular}
- Networkin your career interest area.
- Students may select a fashion elective from any of the three groups below (Apparel \& Fashion Design, Business \& Merchandising, or Fashion Studies \& Creativity).
\begin{tabular}{|c|c|c|c|}
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & \multicolumn{2}{|l|}{4} & \\
\hline \multicolumn{4}{|l|}{4. Complete First-Year Composition requirement.} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 5 63-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Business \& Merchandising Elective & 3 & C & \multirow{6}{*}{- Students may select a fashion elective from any of the three groups below (Apparel \& Fashion Design, Business \& Merchandising, or Fashion Studies \& Creativity).} \\
\hline FSH 300: Global Fashion Industry & 3 & C & \\
\hline FSH 435: Contemporary Fashion & 3 & C & \\
\hline Fashion Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-94 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline FSH 397: Fashion Capstone Development & 1 & C \\
\hline ARA 396: Professional Practices for Design and the Arts OR FSH 394: Branding for Future Fashion Professionals & 3 & C \\
\hline ART OR FSH Upper Division Elective & 3 & C \\
\hline Fashion Elective & 3 & C \\
\hline Literacy and Critical Inquiry (L) AND Historical Awareness (H) & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline
\end{tabular}
\(\leadsto\) Complete Cultural Diversity in the U.S. (C) AND Global
Awareness (G) AND Historical Awareness (H) course(s).
Term hours subtotal:
16
- During FSH 397, studentswill work with a faculty mentor to develop their individual capstone project. Projects may range from an academic thesis to an applied project (or any combination of both). Students will execute their planned project the following semester to earn FSH 497 credit.
- Students may select a fashion elective from any of the three groups below (Apparel \& Fashion Design, Business \& Merchandising, or Fashion Studies \& Creativity).
- Create a first draft resume
- Explore an internship; complete Internship Application form to request course credit.
\begin{tabular}{|c|c|c|c|}
\hline Term 794-109 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline FSH 484: Internship & 3 & C & \multirow[t]{6}{*}{- Gather professional references.} \\
\hline FSH 497: Fashion Capstone & 3 & C & \\
\hline THE 430: History of Fashion I (HU) & 3 & C & \\
\hline ART OR FSH Upper Division Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8109-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \multirow[t]{5}{*}{- Research employment opportunities.} \\
\hline FSH 497: Fashion Capstone OR Upper Division Fashion Elective & 3 & C & \\
\hline THE 431: History of Fashion II: 20th-Century Fashion & 3 & C & \\
\hline Upper Division Elective & 2 & & \\
\hline Term hours subtotal: & 11 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Fashion Studies \& Creativity Electives & Business \& Merchandising Electives & Apparel \& Fashion Design Electives \\
\hline \multirow[t]{2}{*}{AME 111: Introduction to Digital Culture (CS)} & ACC 382: Accounting and Financial Analysis & ART 354: Screen Printing I \\
\hline & BUA 381: Small Business Accounting and & FSH 394: Fashion Construction II \\
\hline AME 210: Media Editing & Finance & \multirow{2}{*}{FSH 394: Fashion Design II} \\
\hline \multirow[t]{2}{*}{AME 220: Programming for the Web} & DSC 394: Design Entrepreneurship \& Society & \\
\hline & & FSH 394: Fashion Illustration II \\
\hline \multirow[t]{2}{*}{AME 230: Programming for the Media Arts (CS)} & ECN 211: Macroeconomic Principles (SB) & FSH 394: Fashion Technology II \\
\hline & ECN 212: Microeconomic Principles (SB) & \multirow[b]{2}{*}{FSH 394: Specialized Fashion Studio} \\
\hline \multirow[t]{2}{*}{AME 294: Introduction to Physical Computing, Soundscape Ecology} & \multirow[t]{2}{*}{ENG 301: Writing for the Professions (L)} & \\
\hline & & FSH 494: Fashion Construction III \\
\hline AME 330: Digital-Physical Systems & ENT 290: My Life Venture & FSH 494: Fashion Design III \\
\hline AME 410: Interactive Materials & ENT 305: Principles of Entrepreneurship & FSH 494: Fashion Technology III \\
\hline \multirow[t]{2}{*}{AME 598: Body Matters: Palpability and Wearable Computing} & ENT 340: Creativity and Innovation (L or HU) & \\
\hline & \multirow[t]{2}{*}{ENT 360: Entrepreneurship and Value Creation} & \\
\hline ANP 394: Digital Modeling and Fabrication & & \\
\hline ARA 460: Gallery Exhibitions & FIN 331: Financial Markets and Institutions & \\
\hline ART 201: Photography I (HU) & FIN 380: Personal Financial Management & \\
\hline ART 204: Photography II: Black and White & FIN 394: Fundamentals of Entrepreneurial Finance & \\
\hline ART 205: Photography II: Color & \multirow[b]{2}{*}{HDA 252: Foundations of Arts Entrepreneurship} & \\
\hline ART 206: Digital Photography I: The Still Image in Digital Culture & & \\
\hline ART 214: Life Drawing I & HDA 311: Work and Careers in the Cultural and Creative Industries & \\
\hline ART 276: Fibers I & HDA 420: Design and the Arts Business & \\
\hline ART 314: Life Drawing II & Administration & \\
\hline & \multirow[t]{2}{*}{LES 380: Consumer Perspective of Business Law} & \\
\hline ART 325: Figure Painting & & \\
\hline ART 354: Screen Printing I & MGT 310: Collaborative Team Skills & \\
\hline ART 376: Weaving and Dyeing & \multirow[t]{2}{*}{MGT 380: Management and Strategy for Nonmajors} & \\
\hline ART 377: Surface to Form & & \\
\hline ART 414: Life Drawing III & MGT 400: Cross-Cultural Management (C \& G) & \\
\hline ART 425: Advanced Figure Painting & MGT 411: Leading Organizations & \\
\hline ART 432: Neon Sculpture & MGT 420: Human Resource Management & \\
\hline ART 442: Art and Community & MGT 430: Negotiations & \\
\hline ART 476: Advanced Textile Construction & \multirow[t]{2}{*}{MKT 300: Marketing and Business Performance} & \\
\hline \multirow[t]{2}{*}{ART 479: 3-D Fibers: Construction and Content} & & \\
\hline & MKT 390: Essentials of Marketing & \\
\hline CIS 300: Web Design and Development & MKT 391: Essentials of Selling & \\
\hline EDS 200: Design Literacy and Communication & MKT 395: Essentials of Advertising and Marketing Communication & \\
\hline EDS 223: Design Thinking & Academic Catalog Archive 2018-2019 & 2423 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline FSH 194: Special Topics & MKT 396: Essentials of Services Marketing \\
\hline FSH 294: Special Topics & MKT 397: Essentials of Global Marketing \\
\hline FSH 394: Special Topics & MKT 425: Global Marketing Management (G) \\
\hline FSH 484: Internship & OGL 200: Introduction to Organizational Leadership (SB) \\
\hline FSH 492: Honors Directed Study & \multirow[t]{2}{*}{OGL 220: Behavioral Dynamics in Organizations (SB)} \\
\hline FSH 493: Honors Thesis (L) & \\
\hline FSH 494: Special Topics & OGL 350: Diversity and Organizations (L \& C) \\
\hline GRA 101: Designing Life & \multirow[b]{2}{*}{OGL 355: Leading Organizational Innovation and Change (L)} \\
\hline GRA 225: Communication/Interaction Design & \\
\hline Theory & THP 351: Arts Management \\
\hline HDA 210: Creativity and Innovation in Design and the Arts & THP 452: Arts Entrepreneurship Seminar \\
\hline HDA 310: Socially Engaged Practice & TWC 347: Written Communication for Managers (L) \\
\hline IND 494: Textile Design & \\
\hline THP 301: Costume Construction & \\
\hline THP 330: Costume Design & \\
\hline THP 331: Costume Construction & \\
\hline THP 332: Makeup & \\
\hline THP 394: Pattern Drafting for Theatre & \\
\hline THP 431: Advanced Costume Construction & \\
\hline THP 494: Costume Crafts & \\
\hline THP 494: Costume Design II & \\
\hline \multicolumn{2}{|l|}{Minor and Certificate programs that compliment Fashion} \\
\hline Business & \\
\hline Media Analysis (Journalism) & \\
\hline Entrepreneurship and Innovation & \\
\hline Sales and Marketing Essentials & \\
\hline Second Language (such as French or Italian) & \\
\hline Special Events Management & \\
\hline Sustainability & \\
\hline \multicolumn{2}{|l|}{Review all 250+ Minor and Certificate programs here: https://webapp4.asu.edu/programs/t5/programs/Letter/ALL/undergrad/true} \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Film (Film and Media Production), BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAFLMBA

```
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

THF 125: Orientation to Film, Dance and Theatre
Complete 2 courses.
FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS
100: Introduction to Film (HU) OR FMS 200: Film History ((L or HU) \& H)

THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Mathematics (MA)
3
Maintain 3.00 GPA in Theatre and Film courses.
Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal:
16

- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125: Orientation to Theatre \& Film fulfills this requirement for theatre and film majors.
- FMP 250, FMS 100, and FMS 200 must be completed by term 4.
- Minimum 3.0 Film Core GPA required for selective Film and Media Production concentration.
- Join an organization.
- THF 160 and THF 215 must be
completed by term
for 3.0 Filn Core GPA requred for selective Film and Media Production concentration.
\begin{tabular}{l} 
Term 3 30-46 Credit Hours \\
Critical course signified by
\end{tabular} Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
\begin{tabular}{l} 
FMP 201: Film: The Creative \\
Process I (HU) OR FMP 261:
\end{tabular}\(\quad 3 \quad\) C
Introduction to Screenwriting


Hide Course List(s)/Track Group(s)
Producing Course Options
FMP 318: Directing for Film and Media I \(\quad\) FMP 220: Film and Media Post-Production I \(\quad\) FMP 294: Special Topics

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Film (Filmmaking Practices), BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAFPRBA

```
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) THF 125: Orientation to Film, Dance and Theatre & 1 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125: Orientation to Theatre \& Film fulfills this requirement for theatre and film majors. \\
- Minimum 3.0 Film Core GPA required for highly selective Film and Media Production concentration. \\
- Join an organization.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film (HU) OR FMS 200: Film History (L or HU ) \& H)
\end{tabular} & 6 & C & \\
\hline THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Mathematics (MA) & 3 & & \\
\hline Maintain 2.50 GPA in Theatre and Film courses. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}


FMP 201: Film: The Creative
-1 Process I (HU) OR FMP 261:
3 C Introduction to Screenwriting THF 220: Principles of Dramatic Analysis (L or HU)
- Students interested in the Film and Media Production concentration may apply for admission the semester they are completing the Film core. See Film and Media Production major map. For information on the interview process, visit:
https://filmdancetheatre.asu.edu/admissions/film-and-media-production-admission-requirements
- Minimum 3.0 Film Core GPA required for highly selective Film and Media Production concentration.
- Establish career interests.
\begin{tabular}{|c|c|}
\hline Computer/Statistics/Quantitative Applications (CS) ( FMP 255 recommended) & 3 \\
\hline Natural Science - Quantitative (SQ) & 4 \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 \\
\hline 4. Complete Mathematics (MA) requirement. & \\
\hline Complete First-Year Composition requirement. & \\
\hline Maintain 2.50 GPA in Theatre and Film courses. & \\
\hline Term hours subtotal: & 16 \\
\hline Term 446-62 Credit Hours Critical course Hours signified by & Minimum
Grade \\
\hline \begin{tabular}{l}
FMP 201: Film: The Creative \\
Process I (HU) OR FMP 261: \\
Introduction to Screenwriting
\end{tabular} & \[
3 \mathrm{C}
\] \\
\hline Film Elective & 3 C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science General (SG) & 4 \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 \\
\hline Elective & 3 \\
\hline 4. Complete FMP 250 AND FMS 100 AND FMS 200 course(s). & \\
\hline (1. Complete THF 160 AND THF 215 course(s). & \\
\hline 4. Complete THF 220 course(s). & \\
\hline Maintain 2.50 GPA in Theatre and Film courses. & \\
\hline
\end{tabular}

Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline FMP 300: Film Production: Filmmaking Practices OR Upper Division Screenwriting Course & 3 & C & - Upper Division Related Study \\
\hline THF 101: Acting Introduction OR THP 102: Acting I: Fundamentals OR THP 194: Understanding Acting OR THP 387: Acting: TV and Film & 3 & C & Elective: Course cannot be from FMP, THE or THP prefix; must have Film in the title. \\
\hline Film Elective & 3 & C & - Begin aligning your degree with \\
\hline Upper Division Related Study Elective & 3 & C & your career goals. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 677-91 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline § FMP 380: Film Production Crew OR FMP 484: Internship & 1 & C \\
\hline THF 397: Professional Development Seminar & 1 & C \\
\hline FMP 403: Independent Film (HU) & 3 & C \\
\hline Producing Course & 3 & C \\
\hline Upper Division Screenwriting Course & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Complete THF 101 OR THP 102 OR THP 194: Understanding Acting OR THP 387 course(s). & & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & \\
\hline Maintain 2.50 GPA in Theatre and Film courses. & & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- Students must take 2 credit hours of either FMP 380 Film Production Crew or FMP 484 Internship by the end of term 8 to meet this requirement.
Term 791 - 106 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|}
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline \% THF 497: Senior Project & 2 & C \\
\hline Upper Division Film Elective & 3 & C \\
\hline Upper Division Related Study Elective & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{6} \\
\hline Maintain 2.50 GPA in Theatre and Film courses. & & \\
\hline
\end{tabular}

Term hours subtotal: 14

Hide Course List(s)/Track Group(s)

Screenwriting Course Options

FMP 361: Intermediate Screenwriting

FMP 365: Developing a Series

FMP 465: Series Writers Workshop
FMP 475: Producing Series

Producing Course Options

FMP 300: Film Production: Filmmaking Practices

FMP 318: Directing for Film and Media I

FMP 330: Professional and Technical Writing for Film/TV Industry

\section*{Notes}
- Upper Division Related Study Elective: Course cannot be from FMP, THE or THP prefix; must have Film in the title.
- Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Theatre \& Film (term 1) is not required for transfer students.

\begin{tabular}{|c|c|}
\hline FMP 335: Careers in the Media Industry & FMP 320: Film and Media Post-Production II \\
\hline FMP 370: Producing for Film and Media & FMP 325: Guerilla VFX \\
\hline \multirow[t]{2}{*}{FMP 417: Business and Legal Practices in Entertainment} & FMP 345: Cinematography I \\
\hline & \\
\hline \multirow[t]{2}{*}{FMP 418: Directing for Film and Media II} & \multirow[b]{2}{*}{THP 340: Scene Design} \\
\hline & \\
\hline \multirow[t]{2}{*}{HDA 252: Foundations of Arts Entrepreneurship} & \multirow[t]{2}{*}{THP 345: Lighting Design} \\
\hline & \\
\hline \multirow[t]{6}{*}{THP 351: Arts Management} & THP 350: Sound Design \\
\hline & THP 355: Media Design for Performance \\
\hline & THP 406: Advanced Scenography \\
\hline & THP 445: Advanced Lighting Design \\
\hline & THP 455: Advanced Media Design \\
\hline & THP 494: Art Direction \\
\hline
\end{tabular}

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.50 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Graphic Design, BSD
School/College: Herberger Institute for Design and the Arts.
Location: Tempe campus
ARGRABSD


Milestone: Evaluation required.
Minimum 2.75 GPA ASU Cumulative.
Term hours subtotal: 15



Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Industrial Design, BSD}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
ARINDBSD
\begin{tabular}{|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 4. DSC 100: ASU Design Experience & 1 & C \\
\hline - DSC 101: Design Awareness (HU \& G) & 3 & C \\
\hline (\%) IND 120: Drawing for Industrial Design & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 170: Precalculus (MA) & 3 & C \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Term hours subtotal:
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Design majors take DSC 100 to fulfill this requirement.
- Join a student club or professional organization


\begin{tabular}{|c|c|c|}
\hline \(\checkmark\) IND 328: Graphics for Industrial Design & 3 & C \\
\hline IND 361: Industrial Design IV & 5 & C \\
\hline IND 317: 20th-Century Design II (HU \& H) & 3 & C \\
\hline IND 354: Principles of Product Design & 3 & C \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} \\
\hline Minimum 3.00 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Summer 691-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% IND 484: Internship & 2 & Y & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 793-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline IND 460: Design Project I & 5 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Summer Internship: students complete the internship between terms 6 and 7 . \\
- Gather professional references
\end{tabular}} \\
\hline \(\checkmark\) IND 470: Professional Practice for Industrial Design (L) & 3 & C & \\
\hline MKT 395: Essentials of Advertising and Marketing Communication OR Upper Division Approved Marketing Course & 3 & & \\
\hline Elective & 3 & & \\
\hline Minimum 3.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 8107-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § IND 461: Design Project II & 5 & C & \\
\hline ENG 301: Writing for the Professions (L) & 3 & & \\
\hline Academic Catalog A & ve 20 & & 2439 \\
\hline
\end{tabular}


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Interior Design, BSD}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
ARINTBSD
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline DSC 100: ASU Design Experience & 1 & C \\
\hline INT 111: Interior Design Issues and Theories (HU) & 3 & C \\
\hline INT 120: Design Fundamentals I & 3 & C \\
\hline INT 121: Introduction to Computer Modeling for Interior Design (CS) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 170: Precalculus (MA) & 3 & C \\
\hline Minimum 3.00 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Design majors take DSC 100 to fulfill this requirement.
- Join a student club or professional organization
\begin{tabular}{|c|c|c|c|}
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline INT 123: Introduction to Computer-Aided Design and Building Information Modeling & 3 & C \\
\hline 4 INT 131: Design and Human Behavior (SB) & 3 & C \\
\hline (1) INT 221: Principles of Design & 3 & C \\
\hline 4 INT 222: Design Fundamentals II Lecture & 1 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline Elective & 2 & \\
\hline \begin{tabular}{l}
Milestone: Evaluation required. \\
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
\end{tabular} & & \\
\hline Minimum 3.00 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
Term 3 31-44 Credit Hours Critical course signified by 4. Hours \(_{\text {Minimum }}^{\text {Grade }}\)\begin{tabular}{c} 
Notes
\end{tabular}
- Interior Design majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit
http://herbergerinstitute.asu.edu/degrees/milestone.php

PHY 101: Introduction to Physics (SQ) 4
Literacy and Critical Inquiry (L)
3
Complete Mathematics (MA) requirement.
Complete First-Year Composition requirement.
Minimum 3.00 GPA ASU Cumulative.

\begin{tabular}{|c|c|c|c|}
\hline INT 363: Interior Design Studio IV & 5 & C & - Summer Internship: students complete an \\
\hline INT 311: History of Interior Design II (HU \& H) & 3 & C & internship between terms 6 and 7. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline INT 465: Interior Design Studio VI: Institutional Design & 5 & C \\
\hline INT 472: Professional Practice for Interior Design & 2 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Global Awareness (G) & 3 & \\
\hline Elective & 3 & \\
\hline Minimum 3.00 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Landscape Architecture, BSLA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
ARPLABSLA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
1. ALA 100: Introduction to Environmental Design (HU \& H \& G) OR ALA 102: Landscapes and Sustainability (HU \& G)

ALA 121: Design Fundamentals I 3

3 C -

1
DSC 100: ASU Design Experience
 C

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
MAT 170: Precalculus (MA)
3
3
Social-Behavioral Sciences (SB)
Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Design majors take DSC 100 to fulfill this requirement.
- Join a student club or professional organization
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ALA 100: Introduction to Environmental Design (HU \& H - \& G) OR ALA 102: Landscapes and Sustainability (HU \& G)
\begin{tabular}{|c|c|c|}
\hline (.) ALA 122: Design Fundamentals II & 3 & C \\
\hline (1) ALA 124: Design Fundamentals II Lecture & 1 & C \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline
\end{tabular}

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

3

3
(1. Milestone: Evaluation required.

Minimum 2.75 GPA ASU Cumulative.
Term hours subtotal: 16


Term hours subtotal: 14
\begin{tabular}{|c|c|c|c|}
\hline Term 46-60 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. LAP 254: Plant Materials & 3 & C & \multirow{4}{*}{- Complete an in person or virtual practice interview} \\
\hline LDE 262: Landscape Architecture Design Fundamentals IV & 4 & C & \\
\hline LPH 311: 20th-Century Landscape Architecture (HU) & 3 & C & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & \multicolumn{2}{|l|}{4} & \\
\hline 4. Complete GPH 111 AND GPH 112 course(s). & & & \\
\hline Minimum 3.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 560-74 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline L LDE 361: Landscape Architecture I & 5 & C & \multirow[t]{2}{*}{- Develop your skills} \\
\hline LDE 363: Landscape Planting Design & 3 & C & \\
\hline LTC 343: Landscape Construction I & 3 & C & \\
\hline LAP 352: Ecosystems and Sustainable Design & 3 & C & \\
\hline \multicolumn{3}{|l|}{Minimum 3.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 6-74-89 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline W LAA 345: Professional Practice Seminar & 1 & C \\
\hline LDE 362: Landscape Architecture II & 5 & C \\
\hline 2 LTC 344: Landscape Construction II & 3 & C \\
\hline LAP 332: GIS Applications in Environmental Design & 3 & C \\
\hline Upper Division Design Professional Elective & 3 & C \\
\hline
\end{tabular}
- Summer experience: Students complete LAP 484: Internship (optional) or LAP 485: International Field Studies with a passing grade in the summer between terms 6 and 7 .Complete Cultural Diversity in the U.S. (C) AND Global
Awareness (G) AND Historical Awareness (H) course(s).
Minimum 3.00 GPA ASU Cumulative.
Term hours subtotal:
15


\begin{tabular}{|c|c|c|c|}
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline LDE 462: Landscape Architecture IV & 5 & C & \\
\hline LTC 446: Landscape Construction III & 3 & C & \\
\hline Complete 2 courses: Elective & \multicolumn{2}{|l|}{6} & \\
\hline Minimum 3.00 GPA ASU Cumulative. & & & \\
\hline
\end{tabular}

\section*{Hide Course List(s)/Track Group(s)}

Design Professional Elective
ADE OR ANP OR APH OR AVC OR DSC
OR GRA OR HUD OR IND OR INT OR LAP
OR LDE OR LNP OR LPH OR LTC Upper
Division Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Music, BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSBA
\begin{tabular}{|c|c|c|}
\hline Term 10-17 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline (1. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU. & & \\
\hline Milestone: School of Music students must successfully complete the music theory diagnostic exam before enrolling in School of Music courses. & & \\
\hline 1. MUP 101: The ASU School of Music Experience & 1 & C \\
\hline 1. MUP 111: Studio Instruction & 2 & C \\
\hline 4. \(4 * *\) MUP Music Ensemble & 1 & C \\
\hline MTC 125: Basic Music Theory & 3 & C \\
\hline MUP 131: Class Piano & 1 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline Mathematics (MA) & 3 & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUP 101: ASU School of Music Experience - First Year Seminar is required of all freshman music majors.
- Completion of Piano Diagnostic Exam determines placement into Class Piano courses.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- See course list for MUP \(4^{* *}\) Music Ensemble course options.
- Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.
- Complete resume in MUP 101.
\begin{tabular}{|c|c|c|c|}
\hline Term 217-33 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ¢ MUP 111: Studio Instruction & 2 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. \\
- See course list for MUP 4** Music Ensemble course options. \\
- Courses offered in spring semester only: MTC 221, MUP 132. \\
- Familiarize yourself with information about musicians' health
\end{tabular}} \\
\hline (1) 4** MUP Music Ensemble & 1 & C & \\
\hline MHL 140: Music as Culture (HU \& G) & 3 & C & \\
\hline MTC 221: Music Theory: 18th Century & 3 & C & \\
\hline MUP 132: Class Piano & 1 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 33-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1) MUP 111: Studio Instruction & 2 & C & \multirow[t]{3}{*}{- ASU Language Placement. Only true beginners are eligible for 101 - level courses. All other students are required to take a 2447} \\
\hline (1) \(4 * *\) MUP Music Ensemble & 1 & C & \\
\hline \multicolumn{3}{|r|}{Academic Catalog Archive 2018-2019} & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline MTC 222: Music Theory: 19th Century & 3 & C \\
\hline MUP 231: Class Piano & 1 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course through the intermediate level (202 or equivalent).
\end{tabular} & 4 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Complete MUP 131 by end of term 3 . & & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline Complete First-Year Composition requirement. & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}

Term hours subtotal: 15
placement exam, regardless of prior credit earned.
- Second Language: Consult with advisor for approved list; It is recommended for Second Language 101 and 102 to be completed by the end of term 4.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- See course list for MUP 4** Music Ensemble course options.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Participate in at least two large ensemble performances.
\begin{tabular}{|c|c|c|}
\hline Term 4-63 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline (1) MUP 111: Studio Instruction & 2 & C \\
\hline (4. \(4 * *\) MUP Music Ensemble & 1 & C \\
\hline MTC 223: Music Theory: 20th Century & 3 & C \\
\hline MUP 232: Class Piano & 1 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course through the intermediate level (202 or equivalent).
\end{tabular} & 4 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline \multicolumn{3}{|l|}{(4) Complete MUP 132 by end of term 4.} \\
\hline \multicolumn{3}{|l|}{Complete Second Language 101 and 102 by end of term 4.} \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- ASU Language Placement. Only true beginners are eligible for 101 - level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- See course list for MUP 4** Music Ensemble course options.
- Courses offered in spring semester only: MTC 223, MUP 232.
- Select a faculty mentor to guide your degree work.
Term 5 63-78 Credit Hours Necessary course signified by
\begin{tabular}{l} 
MHL OR MTC OR MUP OR MUE OR MDC Upper Division \\
Elective
\end{tabular}
\begin{tabular}{l} 
Upper Division Elective OR MDC 484: Internship OR MHL 484: \\
Internship OR MTC 484: Internship OR MUE 484: Internship OR \\
MUP 484: Internship
\end{tabular}
Complete MUP 232 by end of term 6.
Hide Course List(s)/Track Group(s)
MUP Music Ensembles Course List
MUP 442: Instrumental Ensembles
MUP 443: Choral Ensembles
MUP 450: Choral Union
MUP 455: Men's Chorus
MUP 457: Women's Chorus
MUP 458: ASU Gospel Choir
MUP 479: Chamber Music Ensembles
MUP 485: Percussion Ensemble
MUP 486: Jazz Band

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Music (Music and Culture), BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIMUSMCBA

```
\begin{tabular}{|c|c|c|c|}
\hline Term 10-17 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
1. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

Milestone: School of Music students must successfully complete th
music theory diagnostic exam before enrolling in School of Music courses.

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUP 101: ASU School of Music Experience - First Year Seminar is required of all freshman music majors.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in fall semester only: MTC 125, MUP 131, MUP 101.
- Completion of Piano Diagnostic Exam determines placement into Class Piano courses.
- See course list for MUP 4 ** Music Ensemble course options.
- Complete resume in MUP 101.

\begin{tabular}{|c|c|c|}
\hline MUP 111: Studio Instruction OR Elective & 2 & C \\
\hline MUP 231: Class Piano OR MUP Elective & 1 & C \\
\hline 4** MUP Music Ensemble & 1 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course through the intermediate level (202 or equivalent).
\end{tabular} & 4 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Complete MUP 131 by end of term 3 . & & \\
\hline
\end{tabular}

Complete First-Year Composition requirement.

Term hours subtotal: 16
\begin{tabular}{|c|c|c|}
\hline Term 449-65 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline !. MHL 499: Individualized Instruction & 1 & C \\
\hline 4. MTC 223: Music Theory: 20th Century & 3 & C \\
\hline MUP 111: Studio Instruction OR Elective & 2 & C \\
\hline MUP 232: Class Piano OR MUP Elective & 1 & C \\
\hline 4** MUP Music Ensemble & 1 & C \\
\hline Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent). & 4 & \\
\hline
\end{tabular}

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

4

Complete MUP 132 by end of term 4.
Complete Second Language 101 and 102 by end of term 4.
Milestone: Rising Junior Milestone Interview
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 565-82 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline MHL 341: Music History I (HU) & 3 & C \\
\hline MHL 339: Undergraduate Bibliography I & 1 & C \\
\hline MHL 499: Individualized Instruction & 1 & C \\
\hline Upper Division Elective OR MTC Upper Division Elective & 2 & C \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of a language course through the intermediate level 4
(202 or equivalent).
Computer/Statistics/Quantitative Applications (CS) OR MHL 201:
Media Literacy for Musicians (CS)
Literacy and Critical Inquiry (L)
3 C

3
Complete Second Language 201 and 202 by end of term 6.
Term hours subtotal:
17
\begin{tabular}{|c|c|c} 
Term 682-96 Credit Hours Necessary course signified by & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} \\
\hline MHL 342: Music History II (HU) & 3 & C \\
\hline
\end{tabular}

Language 101 and 102 to be completed by the end of term 4.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- MHL 499: Individualized study by arrangement with a musicology faculty member
- Courses offered in fall semester only: MTC 222, MUP 231.
- Participate in at least two large ensemble performances.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- MHL 499: Individualized study by arrangement with a musicology faculty member
- Courses offered in spring semester only: MTC 223, MUP 232.
- Select a faculty mentor to guide your degree work.

\section*{- MHL 339: Individualized} bibliography study with instructor of MHL 341 and MHL 499: Individualized study by arrangement with a musicology faculty member
- Courses offered in fall semester only: MHL 341.
\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course through the intermediate level (202 or equivalent).
\end{tabular} & \multicolumn{2}{|l|}{4} & \multirow[t]{2}{*}{- MHL 340: Individualized bibliography study with instructor of MHL 342 and MHL 499: Individualized study by arrangement with a musicology faculty member} \\
\hline MHL 340: Undergraduate Bibliography II & 1 & C & \\
\hline MHL 499: Individualized Instruction & 1 & C & - Courses offered in spring semester only: MHL 342. \\
\hline Upper Division Elective OR MTC Upper Division Elective & 2 & C & - Gather a list of professional references. \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \multicolumn{4}{|l|}{\(\leadsto\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 796-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MHL 490: Capstone Project I: Undergraduate Thesis Research OR MHL 492: Honors Directed Study & 3 & C & - MHL 490 or 492: Culminating original research project conducted with \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective & 3 & C & supervision of musicology faculty. \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline \begin{tabular}{l}
Upper Division Elective OR MHL 484: Internship OR MDC 484: \\
Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship
\end{tabular} & 3 & & \\
\hline Term hours subtotal: & 12 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MHL 491: Capstone Project II: Undergraduate Thesis OR MHL 493: Honors Thesis (L) & 3 & C & - MHL 491 or 493: Culminating original research project conducted with supervision \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective & 3 & C & \begin{tabular}{l}
of musicology faculty. \\
- Complete capstone project.
\end{tabular} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline
\end{tabular}
Hide Course List(s)/Track Group(s)
MUP Music Ensembles Course List
MUP 385: Percussion Ensemble
MUP 442: Instrumental Ensembles
MUP 443: Choral Ensembles
MUP 450: Choral Union
MUP 455: Men's Chorus
MUP 457: Women's Chorus
MUP 458: ASU Gospel Choir
MUP 479: Chamber Music Ensembles
MUP 486: Jazz Band

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Music Education, BMUS
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSEBM

```
\begin{tabular}{|l|l|l|l|}
\hline Term 10-14 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
1. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

Milestone: School of Music students must successfully complete the
1. music theory diagnostic exam before enrolling in School of Music courses.
\begin{tabular}{|c|c|c|}
\hline 4. MTC 125: Basic Music Theory & 3 & C \\
\hline 4. MUE 101: The ASU School of Music Experience & 1 & C \\
\hline (1) MUP 111: Studio Instruction & 2 & C \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles & 1 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline MHL 140: Music as Culture ( HU \& G) & 3 & C \\
\hline MUP 131: Class Piano OR MUP 133: Class Voice & 1 & C \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUE 101: ASU School of Music Experience - First Year Seminar required of all freshman music education majors.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- MUP 131: Class Piano must be taken rather than MUP 133: Class Voice unless piano is primary instrument.
- Students may use up to 2 semesters of MUP 461 Marching towards degree (optional).
- Courses offered fall semester only: MTC 125, MUE 101, MUP 131, MUP 133.
- Complete resume in MUE 101.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) MTC 221: Music Theory: 18th Century & 3 & C & \multirow{10}{*}{\begin{tabular}{l}
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. \\
- Courses offered in spring semester only: MTC 221, MUE 110, MUE 154, MUP 132, MUP 134. \\
- Familiarize yourself with information about musicians' health.
\end{tabular}} \\
\hline (4) MUE 110: Introduction to Music Education & 2 & C & \\
\hline (4) MUE 154: Gesture and Sound & 1 & C & \\
\hline (4) MUP 111: Studio Instruction & 2 & C & \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles & 1 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MUP 132: Class Piano OR MUP 134: Class Voice & 1 & C & \\
\hline Mathematics (MA) & 3 & & \\
\hline \multicolumn{3}{|l|}{(4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 330-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1) MTC 222: Music Theory: 19th Century & 3 & C & \\
\hline Academic Catalo & Archive & 18-2019 & 2455 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 4. MUP 111: Studio Instruction & 2 & C \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles & 1 & C \\
\hline \begin{tabular}{l}
(1. Complete 2 courses: \\
Upper Division MUE \(3^{* *}\) : Lab Course
\end{tabular} & 4 & C \\
\hline MHL 201: Media Literacy for Musicians (CS) & 3 & C \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline Complete First-Year Composition requirement. & & \\
\hline Term hours subtotal: & 17 & \\
\hline
\end{tabular}
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- For iTeachAZ, apply for DPS IVP fingerprint clearance card.
- Refer to course list and consult with faculty mentor regarding MUE \(3^{* *}\) : Lab Course selection. MUE 319 Digital and Hybrid Lab is required (can be taken during Term 3 or Term 4).
- Courses offered in fall semester only: MTC 222.
- Talk to your studio instructor about ways to enhance your performance skills; participate in at least two large ensemble performances.
\begin{tabular}{|c|c|c|}
\hline Term 447-64 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline (4) MTC 223: Music Theory: 20th Century & 3 & C \\
\hline (4) MUP 111: Studio Instruction & 2 & C \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles & 1 & C \\
\hline \begin{tabular}{l}
(1) Complete 2 courses: \\
Upper Division MUE 3**: Lab Course
\end{tabular} & 4 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) ( GCU 113 recommended) & 3 & \\
\hline Milestone: All Music Education students must audition with Music Education Faculty during this term. & & \\
\hline Milestone: All Music Education students must successfully complete the milestone for iTeachAZ Professional Program this semester. & & \\
\hline Term hours subtotal: & 17 & \\
\hline
\end{tabular}
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- Teachers College requirement: Complete the Intent to Progress form (meet with major advisor to complete this form).
- Teachers College requirement: Submit copy of DPS IVP fingerprint clearance card to Teachers College (Farmer 120) or upload copy to Intent to Progress form.
- Teachers College requirement: Attend Teachers College Enrollment Workshop.
- GCU 113 meets US and AZ Constitution requirements for teaching certification.
- Refer to course list and consult with faculty mentor regarding MUE \(3^{* *}\) : Lab Course selection. MUE 319 Digital and Hybrid Lab is required (can be taken during Term 3 or Term 4).
- Courses offered in spring semester only: MTC 223, MUE 321.
- Create and continue to add to a professional online portfolio.
\begin{tabular}{l} 
Term 5 64-78 Credit Hours Necessary course signified by \\
Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} \\
\hline MHL 341: Music History I (HU) \\
MUP 311: Studio Instruction \\
SED 396: Clinical Experience I \\
MUP 442: Instrumental Ensembles OR MUP 443: Choral \\
Ensembles
\end{tabular}
- Refer to course list and consult with faculty mentor regarding MUE \(4^{* *}\) : Art of Teaching course selection.
- Courses offered in fall semester only: MHL 341, MUE 481.
- Gather a list of professional references.
\begin{tabular}{|c|c|c|c|}
\hline Term 678-94 Credit Hours Necessary course signified by & Hours & Grade & Notes \\
\hline § MHL 342: Music History II (HU) & 3 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Refer to course list and consult with faculty mentor regarding MUE \(4^{* *}\) : Art of Teaching course selection. \\
- Courses offered in spring semester only: MHL 342, MUE 480, MUE 482. \\
- Complete internships at two different schools.
\end{tabular}} \\
\hline M MUP 311: Studio Instruction & 2 & C & \\
\hline W SED 397: Clinical Experience II & 1 & C & \\
\hline MUE 161: Introduction to Music Therapy & 2 & C & \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles & 1 & C & \\
\hline Upper Division MUE * \(^{*}\) : The Art of Teaching course & 4 & B & \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 794-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MUP 311: Studio Instruction & 2 & C & \multirow[t]{8}{*}{- Refer to course list and consult with faculty mentor regarding MUE \(4^{* *}\) : Art of Teaching course selection.} \\
\hline SED 496: Clinical Experience III & 1 & C & \\
\hline BLE 407: SEI for Secondary Students (L) & 3 & C & \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles & 1 & C & \\
\hline MUP 495: Performance & 0 & C & \\
\hline Upper Division MUE \(4^{* *}\) : The Art of Teaching course & 4 & B & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I SED 478: Student Teaching: Secondary Education (Grades 6-12) & 12 & C & \multirow[t]{2}{*}{\begin{tabular}{l}
- Take the AEPA/NES Professional Knowledge Test in term 8 (secondary recommended; necessary for teacher certification). \\
- Complete student teaching and state teachers examination.
\end{tabular}} \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline The Art of Teaching course list: Choose 3 courses (12 hours) & MUE Lab course list: Choose 4 courses ( 8 hours) \\
\hline \multirow[t]{2}{*}{MUE 413: The Art of Teaching Children Music} & MUE 317: Strings Lab \\
\hline & \multirow[t]{2}{*}{MUE 319: Digital and Hybrid Lab} \\
\hline \multirow[t]{2}{*}{MUE 415: The Art of Teaching Contemporary Musicians} & \\
\hline & MUE 321: Jazz Lab \\
\hline \multirow[t]{2}{*}{MUE 480: The Art of Teaching Choral Musicians} & MUE 323: Keyboard Lab \\
\hline & MUE 325: Voice/Choral Lab \\
\hline \multirow[t]{3}{*}{MUE 481: The Art of Teaching Beginning Instrumentalists} & MUE 327: Brass Lab \\
\hline & MUE 334: Guitar Lab \\
\hline & Academic Catalog Archive 2018-2019 \\
\hline
\end{tabular}

MUE 482: The Art of Teaching Advanced Instrumentalists

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

\footnotetext{
General Studies designations listed on the major map are current for the 2018-2019 academic year.
}

\section*{2018-2019 Major Map}

Music Therapy, BMUS
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSTHBM
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
(1. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

Milestone: School of Music students must successfully complete the
1. music theory diagnostic exam before enrolling in School of Music courses
\begin{tabular}{|c|c|c|}
\hline MUE 101: The ASU School of Music Experience & 1 & C \\
\hline MUP 111: Studio Instruction & 2 & C \\
\hline MTC 125: Basic Music Theory & 3 & C \\
\hline MUP 131: Class Piano & 1 & C \\
\hline MUP 133: Class Voice & 1 & C \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral & 1 & C \\
\hline
\end{tabular}

Ensembles OR 4** MUP Music Ensemble
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
\begin{tabular}{|c|c|c|}
\hline Mathematics (MA) & 3 & C \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Test score determines placement in mathematics course.
- MUE 101: ASU School of Music Experience - First Year Seminar required of all freshman music therapy majors.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- See course list for MUP 4** Music Ensemble course options. Students should complete 4 large ensembles and 2 small ensembles
- For statistics, students may choose PSY 230 or STP 226; if students choose PSY 230, they must complete MAT 119 or higher for Mathematics (MA) requirement.
- Courses offered in fall semester only: MTC 125,MUE 101,MUP 131, MUP 133.
- Complete resume in MUE 101.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. MUP 111: Studio Instruction & 2 & C & \multirow{10}{*}{\begin{tabular}{l}
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. \\
- See course list for MUP 4** Music Ensemble course options. \\
- Courses offered in spring semester only: MTC 221, MUP 132, MUP 134. \\
- Familiarize yourself with information about musicians' health.
\end{tabular}} \\
\hline MHL 140: Music as Culture (HU \& G) & 3 & C & \\
\hline MTC 221: Music Theory: 18th Century & 3 & C & \\
\hline MUP 132: Class Piano & 1 & C & \\
\hline MUP 134: Class Voice & 1 & C & \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble & 1 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline \multicolumn{3}{|l|}{4 . Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3 32-47 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4. MUE 161: Introduction to Music Therapy & 2 C \\
\hline (1) MUE 162: Introduction to Music Therapy Lab & 1 C \\
\hline 4. MUP 111: Studio Instruction & 2 C \\
\hline MTC 222: Music Theory: 19th Century & 3 C \\
\hline MUE 335: Educational Methods for Guitar & 1 C \\
\hline MUP 231: Class Piano & 1 C \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble & 1 C \\
\hline BIO 201: Human Anatomy and Physiology I (SG) & 4 \\
\hline \multicolumn{2}{|l|}{¢ Complete MTC 125 AND MUP 131.} \\
\hline \multicolumn{2}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Complete First-Year Composition requirement. & \\
\hline
\end{tabular} Term hours subtotal: 15
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- See course list for MUP 4** Music Ensemble course options.
- Courses offered in fall semester only: MTC 222, MUE 162, MUP 231.
- Talk to your studio instructor about ways to enhance your performance skills; participate in at least two large ensemble performances.
\begin{tabular}{|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4. MUE 261: Music Therapy as a Behavioral Science & 2 & C \\
\hline 4. MUE 262: Music Therapy as a Behavioral Science Lab & 1 & C \\
\hline 1. MUP 111: Studio Instruction & 2 & C \\
\hline MTC 223: Music Theory: 20th Century & 3 & C \\
\hline MUP 232: Class Piano & 1 & C \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble & 1 & C \\
\hline SOC 101: Introductory Sociology (SB) & 3 & \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & \\
\hline
\end{tabular}

Complete MTC 221 AND MUP 132.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|}
\hline Term 5 63-76 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline MUE 384: Therapy Preclinical I & 1 & C \\
\hline MUE 467: Music Therapy Theory and Practice in Psychopathology & 3 & C \\
\hline MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting & 1 & C \\
\hline Upper Division Advanced Performance Course & 1-2 & C \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble & 1 & C \\
\hline CDE 232: Human Development (SB) & 3 & \\
\hline PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) & 3 & \\
\hline Complete MTC 222 AND MUP 231. & & \\
\hline
\end{tabular}
- A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list for options.
- See course list for MUP 4** Music Ensemble course options.
- Courses offered in fall semester only: MUE 467.
- Gather a list of professional references.
Term 6 76-91 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c|c|c|}
\hline Minimum \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \% MUE 385: Therapy Preclinical II & 1 & C \\
\hline M MUE 463: Music Therapy Techniques & 3 & C \\
\hline MUE 381: Music Therapy Research (L) & 3 & C \\
\hline MUE 489: Repertoire for Music Therapy & 3 & C \\
\hline Upper Division Advanced Performance Course & 1-2 & C \\
\hline MUP 442: Instrumental Ensembles OR MUP 443: Choral Ensembles OR 4** MUP Music Ensemble & 1 & C \\
\hline PSY 366: Abnormal Psychology (SB) & 3 & \\
\hline Complete MTC 223 AND MUP 232. & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline Term hours subtotal: & 15-16 & \\
\hline
\end{tabular}
- A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list for options.
- See course list for MUP 4 ** Music Ensemble course options.
- Courses offered in spring semester only: MUE 381,MUE 463,MUE 489.
- Complete two clinical experiences.
Term 7 91-105 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c|cc} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|}
\hline MUE 386: Therapy Preclinical III & 1 & C \\
\hline MHL 341: Music History I (HU) & 3 & C \\
\hline MUE 475: Group Process and Music Therapy & 1 & C \\
\hline MUE 494: Health Rhythms Drum Facilitation & 2 & C \\
\hline Upper Division Advanced Performance Course & 1-2 & C \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective & 3 & C \\
\hline Literacy and Critical Inquiry (L) AND Historical Awareness (H) & 3 & \\
\hline Term hours subtotal: & 14-15 & \\
\hline
\end{tabular}
- A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list for options.
- Course offered in fall semester only: MHL 341, MUE 475.
\begin{tabular}{|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline MUE 387: Therapy Preclinical IV & 1 & C \\
\hline 5 MUE 476: Internship in Music Therapy & 1 & C \\
\hline MHL 342: Music History II (HU) & 3 & C \\
\hline MUE 441: Psychology of Music & 3 & C \\
\hline Upper Division Advanced Performance Course & 1-2 & C \\
\hline DCE Elective & 2 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Term hours subtotal: & 15-16 & \\
\hline
\end{tabular}
- A minimum of 4 hours of Advanced Performance is required. Students may complete this requirement by taking 4 hours of MUP 311: Studio Instruction or by substituting Advanced Performance classes toward this requirement - please refer to the Advanced Performance course list for options.
- Students register for MUE 476 (6-month internship) in last semester and complete it after finishing all coursework for the degree. Degree is posted after completion of all requirements and the internship.
- Course offered in spring semester only: MHL 342, MUE 441.
- Complete clinical experiences and apply for a formal internship.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|l|l}
\hline Advanced Performance Course List & \(4 * *\) MUP Music Ensembles Course List \\
\hline MUP 311: Studio Instruction & MUP 442: Instrumental Ensembles \\
\hline MUP 321: Studio Instruction & MUP 443: Choral Ensembles \\
\hline MUP 417: Applied Jazz Improvisation & MUP 458: ASU Gospel Choir \\
\hline MUP 479: Piano Ensemble & MUP 479: Chamber Music Ensembles \\
MUP 485: Percussion Ensemble & MUP 486: Jazz Band
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Performance (Collaborative Piano), BMUS}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSPPBM
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by 9 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
1. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

Milestone: School of Music students must successfully complete the
4. music theory diagnostic exam before enrolling in School of Music courses.
\begin{tabular}{|c|c|c|}
\hline 4. MUP 101: The ASU School of Music Experience & 1 & C \\
\hline ¢. MUP 127: Studio Instruction & 4 & C \\
\hline -1. MUP 479: Piano Ensemble & 1 & C \\
\hline (1) \(4^{* *}\) MUP Music Ensemble & 1 & C \\
\hline MTC 125: Basic Music Theory & 3 & C \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
C
ENG 107 or ENG 108: First-Year Composition
Mathematics (MA)
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUP 101: ASU School of Music Experience - First Year Seminar is required of all freshman music majors.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered fall semester only: MTC 125, MUP 101.
- Complete resume in MUP 101.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline (\%) MUP 127: Studio Instruction & 4 & C & \multirow{8}{*}{\begin{tabular}{l}
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. \\
- Course offered in spring semester only: MTC 221. \\
- Familiarize yourself with information about musicians' health
\end{tabular}} \\
\hline MUP 479: Piano Ensemble & 1 & C & \\
\hline 4. \(4 * *\) MUP Music Ensemble & 1 & C & \\
\hline MHL 140: Music as Culture (HU \& G) & 3 & C & \\
\hline MTC 221: Music Theory: 18th Century & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3 31-47 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline !. MUP 127: Studio Instruction & 4 & C & \multirow[t]{3}{*}{- Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.} \\
\hline (1) MUP 250: Diction for Singers & 1 & C & \\
\hline 1. MUP 479: Piano Ensemble & 1 & C & \\
\hline MTC 222: Music Theory: 19th Century & 3 & C & \multirow[t]{3}{*}{- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of term 3 will negatively impact ability to complete degree in four years.} \\
\hline Computer/Statistics/Quantitative Applications (CS) OR MHL 201: Media Literacy for Musicians (CS) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline
\end{tabular}
4. Complete MTC 125 by end of term 3 .

Complete Mathematics (MA) requirement.
Complete First-Year Composition requirement.
Term hours subtotal:
16
- MUP 250 Italian Diction is offered in odd numbered fall semesters only.
- MUP 250 German Diction is offered in even numbered spring semesters only.
- MUP 250 French Diction is offered in even numbered fall semesters only.
- Course offered in fall semester only: MTC 222.
- Talk to your studio instructor about ways to enhance your performance skills.
- Participate in at least two large ensemble performances and perform in studio class.


3 Complete MTC 222 by end of term 5 .
Term hours subtotal: 15
\begin{tabular}{|c|c|c|}
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline MUP 495: Performance & 0 & Y \\
\hline MHL 342: Music History II (HU) & 3 & C \\
\hline MTC 428: Advanced form and Analysis & 3 & C \\
\hline MUP 311: Studio Instruction & 2 & C \\
\hline MUP 337: Studio Instruction: Collaborative Piano & 2 & C \\
\hline MUP 388: Collaborative Piano & 1 & C \\
\hline MUP 451: Piano Chamber Music & 2 & C \\
\hline MUP 453: Song Literature OR MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective & 2 & C \\
\hline
\end{tabular}

\section*{Notes}
- MUP 453 offered in odd spring semesters only.
- MTC 428 and MUP 451: Piano Chamber Music offered in odd numbered spring semesters only.
- Course offered in spring semester only: MHL 342
- Certain studios may require an additional semester of repertoire; please check with your studio professor.
- Gather a list of professional references.

Complete MUP 209 OR MUP 210 by end of term 6.
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 791-106 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline § MUP 496: Performance & 0 & Y & \multirow{9}{*}{- Prepare, publicize, and present a public performance.} \\
\hline Upper Division ( MHL 440 recommended) MHL course (L) & 3 & C & \\
\hline MUP 311: Studio Instruction & 2 & C & \\
\hline MUP 337: Studio Instruction: Collaborative Piano & 2 & C & \\
\hline MUP 388: Collaborative Piano & 1 & C & \\
\hline MUP 487: Collaborative Piano & 1 & C & \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective & 3 & C & \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Elective & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MUP 496: Performance & 0 & Y & \multirow[t]{7}{*}{- MUP 453 offered in odd spring semesters only.} \\
\hline MUP 311: Studio Instruction & 2 & C & \\
\hline MUP 337: Studio Instruction: Collaborative Piano & 2 & C & \\
\hline MUP 388: Collaborative Piano & 1 & C & \\
\hline MUP 453: Song Literature OR MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective & 2 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective
\end{tabular} & 4 & C & \\
\hline Elective OR MDC 484: Internship OR MHL 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship & \multicolumn{2}{|l|}{3} & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
MUP 4** Ensembles Course List
MUP 385: Percussion Ensemble
MUP 443: Choral Ensembles
MUP 450: Choral Union
MUP 455: Men's Chorus
MUP 457: Women's Chorus
MUP 479: Chamber Music Ensembles
MUP 486: Jazz Band MUP 489: Ethnomusicology Ensembles

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Performance (Guitar), BMUS}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSPGBM
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
1. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

Milestone: School of Music students must successfully complete the
1. music theory diagnostic exam before enrolling in School of Music courses.

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determine placement into first-year composition courses.
- ASU Math Placement Assessment score determines placement in Mathematics. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement.
- MUP 101: ASU School of Music Experience - First Year Seminar required of all freshman music majors.
- Completion of Piano Diagnostic Exam determines placement into Class Piano courses.
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts
- Courses offered fall semester only: MTC 125, MUP 101, MUP 131.
- Complete resume in MUP 101.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline MUP 127: Studio Instruction & 4 & C \\
\hline MUP 479: Guitar Ensemble & 1 & C \\
\hline MHL 140: Music as Culture (HU \& G) & 3 & C \\
\hline MTC 221: Music Theory: 18th Century & 3 & C \\
\hline MUP 132: Class Piano & 1 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline
\end{tabular}

ENG 107 or ENG 108: First-Year Composition
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 331-46 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline (4) MUP 127: Studio Instruction & 4 & C \\
\hline (4) MUP 479: Guitar Ensemble & 1 & C \\
\hline MTC 222: Music Theory: 19th Century & 3 & C \\
\hline MUP 231: Class Piano & 1 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) ( MHL 201 recommended) & 3 & C \\
\hline
\end{tabular}
- Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in spring semester only: MTC 221, MUP 132.
- Familiarize yourself with information about musicians' health
\begin{tabular}{|c|c|}
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 \\
\hline Complete MTC 125 AND MUP 131 course(s). & \\
\hline Complete Mathematics (MA) requirement. & \\
\hline Complete First-Year Composition requirement. & \\
\hline
\end{tabular}

Term hours subtotal: 15
\begin{tabular}{|c|c|c|}
\hline Term 46-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline ¢. MUP 127: Studio Instruction & 4 & C \\
\hline (1. MUP 479: Guitar Ensemble & 1 & C \\
\hline MTC 223: Music Theory: 20th Century & 3 & C \\
\hline MUP 232: Class Piano & 1 & C \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Elective & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline (1) Complete MTC 221 AND MUP 132 course(s). & & \\
\hline
\end{tabular}
\[
\text { Term hours subtotal: } \quad 15
\]
\begin{tabular}{|c|c|c|}
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W MHL 341: Music History I (HU) & 3 & C \\
\hline \(\sum\) MUP 327: Studio Instruction & 4 & C \\
\hline \% MUP 479: Guitar Ensemble & 1 & C \\
\hline MTC 320: Modal Counterpoint OR MTC 321: Tonal Counterpoint & 2 & C \\
\hline MUP 210: Beginning Instrumental Conducting OR MUP 209: Beginning Choral Conducting & 1 & C \\
\hline
\end{tabular}

Natural Science - Quantitative (SQ)

4

Complete MTC 222 AND MUP 231 course(s).
Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W MHL 342: Music History II (HU) & 3 & C \\
\hline \$ MUP 327: Studio Instruction & 4 & C \\
\hline 5 MUP 479: Guitar Ensemble & 1 & C \\
\hline 5 MUP 495: Performance & 0 & Y \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline \multicolumn{3}{|l|}{\% Complete MTC 223 AND MUP 232 course(s).} \\
\hline \multicolumn{3}{|l|}{W Complete MTC 320 OR MTC 321.} \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
Recommended Music Electives
MHL 201: Media Literacy for Musicians (CS)
MHL 439: Topics in 19th-Century Music (L \&
H)
MHL 440: Topics in 20th-Century Music (L or
HU)
MUP 340: Intermediate Conducting
MUP 451: Repertoire

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Performance (Jazz), BMUS
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSPJBM
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
4. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement.
- MUP 101: ASU School of Music Experience - First Year Seminar required of all freshman music majors.
- Completion of Piano Diagnostic Exam determines placement into Class Piano courses.
- Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered fall semester only: MTC 125, MUP 101, MUP 131.
- Complete resume in MUP 101.

\begin{tabular}{|c|c|c|}
\hline (1. MUP 479: Jazz Studio Classes & 1 & C \\
\hline MTC 222: Music Theory: 19th Century & 3 & C \\
\hline MUP 235: Jazz Piano & 1 & C \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline \multicolumn{3}{|l|}{4. Complete MTC 125 AND MUP 131.} \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{3}{|l|}{Complete First-Year Composition requirement.} \\
\hline Term hours subtotal: & 14 & \\
\hline Term 4-64 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 1. MUP 111: Studio Instruction & 2 & C \\
\hline 4 (1) MUP 217: Applied Jazz Improvisation & 2 & C \\
\hline 4 MUP 479: Jazz Combo & 1 & C \\
\hline 4. MUP 479: Jazz Studio Classes & 1 & C \\
\hline MTC 223: Music Theory: 20th Century & 3 & C \\
\hline MUP 236: Jazz Piano & 1 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}

Term hours subtotal: 17


- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222, MUP 235.
- Talk to your studio instructor about ways to enhance your performance skills.
- Participate in at least two large ensemble performances and perform in studio class.
- Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in spring semester only: MTC 223, MUP 236.
- Courses offered in fall semester only: MHL 341, MTC 315.
- Courses offered in spring semester only: MHL 342, MTC 316, MUP 319.
- Gather a list of professional references.

Complete MTC 223 AND MUP 236 course(s).
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15


Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Performance (Keyboard), BMUS}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSPKBM
\begin{tabular}{|l|l|l|l|}
\hline Term 10-15 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
1. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

Milestone: School of Music students must successfully complete
4. the music theory diagnostic exam before enrolling in School of Music courses.

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. Freshman music majors take MUP 101: ASU School of Music Experience.
- For MUP 4** Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass and one semester of MUP 460: The Visiting Quartet Residency Program. Students receiving Music Scholarships should register for MUP 487 in Term 1.
- Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in fall semester only: MTC 125, MUP 101.
- Complete resume in MUP 101.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1. MUP 127: Studio Instruction & 4 & C & \multirow[b]{7}{*}{\begin{tabular}{l}
- Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts. \\
- For MUP 4** Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet Residency Program. \\
- Course offered in spring semester only: MTC 221. \\
- Familiarize yourself with information about musicians' health
\end{tabular}} \\
\hline ¢. MUP 4** Ensemble & 1 & C & \\
\hline MHL 140: Music as Culture (HU \& G) & 3 & C & \\
\hline MTC 221: Music Theory: 18th Century & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) \\
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
\end{tabular} & 3 & & \\
\hline Term hours subtotal: & 17 & & \\
\hline
\end{tabular}
Term 3 32-47 Credit Hours Critical course signified by 4. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(|\)\begin{tabular}{c} 
C \\
4. MUP 127: Studio Instruction
\end{tabular}

- Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.
- For MUP \(4^{* *}\) Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479:
Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting
Quartet Residency Program
- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by the end of term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222.
- Talk to your studio instructor about ways to enhance your performance skills.
- Participate in at least two large ensemble performances and perform in studio class.
\begin{tabular}{|c|c|c|c|}
\hline Term 447-62 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) MUP 127: Studio Instruction & 4 & C & \multirow[b]{3}{*}{- Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts.} \\
\hline (4) MUP 4** Ensemble & 1 & C & \\
\hline MTC 223: Music Theory: 20th Century & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science General (SG) & 4 & & - For MUP 4** Ensemble course options, choose from a variety of ensemble experiences \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & & including at least one semester of MUP 479: \\
\hline (1) Complete MTC 221. & & & Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
Residency Program. \\
- Course offered in spring semester only: MTC 223.
\end{tabular} \\
\hline
\end{tabular}
Term 5 62 -77 Credit Hours Necessary course signified by
MHL 342: Music History II (HU)
MUP 327: Studio Instruction
MUP 121: Organ OR MUP 121: Harpsichord
MUP 440: Keyboard Harmony
MUP 451: Piano Lit II OR MDC OR MHL OR MTC OR MUE OR
MUP Upper Division Elective
- MUP 451 Piano Chamber Music (odd springs) and/or MUP 482 Intermediate (odd springs) recommended for upper division music elective.
- MUP 451 Piano Lit II is offered in even springs.
- Courses offered in spring semester only: MHL 342,MUP 440 (odd numbered spring semesters only).
- Gather a list of professional references.
\begin{tabular}{|c|c|c|}
\hline Term 792-105 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline MUP 327: Studio Instruction & 4 & C \\
\hline MHL 440: Topics in 20th-Century Music (L or HU) & 3 & C \\
\hline MUP 451: Piano Lit I OR MUP 481: Piano: Beginner & 2 & C \\
\hline MUP 487: Collaborative Piano & 1 & C \\
\hline MDC OR MHL OR MTC OR MUE OR MUP Elective & 3 & C \\
\hline Term hours sub & 13 & \\
\hline
\end{tabular}

\section*{Notes}
- MUP 451 Piano Lit I is offered in odd falls.
- MUP 481 Piano Beginner is offered in even falls.
- Courses offered in fall semester only: MHL 440, MUP 487.
- Prepare, publicize, and present a public performance.
Term 8 105-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

Hide Course List(s)/Track Group(s)

> MUP 4** Ensembles Course List

MUP 385: Percussion Ensemble
MUP 443: Choral Ensembles
MUP 450: Choral Union
- MUP 451 Piano Chamber Music (odd springs) and/or MUP 482 Intermediate (odd springs) recommended for upper division music elective.
- MUP 451 Piano Lit II is offered in even springs.

Term hours subtotal:
15
Hide Course List(s)/Track Group(s)
MUP 4** Ensembles Course List
MUP 385: Percussion Ensemble
MUP 443: Choral Ensembles
MUP 450: Choral Union

MUP 455: Men's Chorus
MUP 457: Women's Chorus
MUP 460: The Visiting Quartet Residency
Program
MUP 479: Chamber Music Ensembles, Piano
Ensemble, Piano/String/Woodwind/Brass
MUP 486: Jazz Band
MUP 487: Collaborative Piano
MUP 489: Ethnomusicology Ensembles

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Performance (Music Theatre), BMUS
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSPMBM
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-15 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
4. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

Milestone: School of Music students must successfully complete
1. the music theory diagnostic exam before enrolling in School of Music courses.

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. All freshman music majors take MUP 101 ASU School of Music Experience to satisfy the First Year Seminar requirement.
- Completion of Piano Diagnostic Exam determines placement into Class Piano courses.
- Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.
- Music Theatre I - VIII must be taken in sequence in the semesters indicated.
- Courses offered in fall semester only: MTC 125, MUP 101, MUP 131, MUP 170.
- Complete resume in MUP 101.
\begin{tabular}{|c|c|c|c|}
\hline Term 2-15-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) MUP 111: Studio Instruction & 2 & C & \multirow{9}{*}{\begin{tabular}{l}
- Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts. \\
- Courses offered in spring semester only: MTC 221, MUP 132, MUP 172. \\
- Familiarize yourself with information about musicians' health
\end{tabular}} \\
\hline (4) MUP 172: Music Theatre II & 2 & C & \\
\hline MHL 140: Music as Culture (HU \& G) & 3 & C & \\
\hline MTC 221: Music Theory: 18th Century & 3 & C & \\
\hline MUP 132: Class Piano & 1 & C & \\
\hline THF 101: Acting Introduction OR THP 102: Acting I: Fundamentals & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 332-47 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 4. MUP 111: Studio Instruction & 2 & C \\
\hline 4 MUP 270: Music Theatre III & 2 & C \\
\hline -1 MUP 373: Music Theatre: Performance & 1 & C \\
\hline 4 MUP 374: Technical Production I (Foundations) & 1 & C \\
\hline ¢ DCE Elective & 2 & C \\
\hline MTC 222: Music Theory: 19th Century & 3 & C \\
\hline MUP 231: Class Piano & 1 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline \multicolumn{3}{|l|}{Complete First-Year Composition requirement.} \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.
- MUP 373: Music Theatre majors must complete six performances. At least four of these must be at ASU and up to two may be at Phoenix Theatre.
- DCE elective must be a movement class. For course recommendations, please consult with academic advisor.
- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222, MUP 231, MUP 270.
- Talk to your studio instructor about ways to enhance your performance skills.
- Participate in at least two large ensemble performances and perform in studio class.
\begin{tabular}{|c|c|c|}
\hline Term 447-62 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade \\
\hline 1 (1) MUP 111: Studio Instruction & 2 & C \\
\hline (1) MUP 272: Music Theatre IV & 2 & C \\
\hline (1) MUP 373: Music Theatre: Performance & 1 & C \\
\hline ¢. MUP 374: Technical Production II (Practicum) & 1 & C \\
\hline (1) DCE Elective & 2 & C \\
\hline MTC 223: Music Theory: 20th Century & 3 & C \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.
- MUP 373: Music Theatre majors must complete six performances. At least four of these must be at ASU and up to two may be at Phoenix Theatre.
- DCE elective must be a movement class. For course recommendations, please consult with academic advisor.
- Course offered in spring semester only: MTC 223, MUP 272.
\begin{tabular}{|c|c|c|c|}
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W MUP 311: Studio Instruction & 2 & C & \multirow{8}{*}{\begin{tabular}{l}
- MUP 373: Music Theatre majors must complete six performances. At least four of these must be at ASU and up to two may be at Phoenix Theatre. \\
- DCE elective must be a movement class. For course recommendations, please consult with academic advisor. \\
- Course offered in fall semester only: MHL 341, MUP 370.
\end{tabular}} \\
\hline \% MUP 370: Music Theatre V & 2 & C & \\
\hline MHL 341: Music History I (HU) & 3 & C & \\
\hline MUP 209: Beginning Choral Conducting & 1 & C & \\
\hline MUP 373: Music Theatre: Performance & 1 & C & \\
\hline DCE Elective & 2 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 677-91 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MUP 311: Studio Instruction & 2 & C & \\
\hline \multicolumn{4}{|r|}{Academic Catalog Archive 2018-2019} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline MUP 465: Music Theatre VI & 2 & C \\
\hline MHL 342: Music History II (HU) & 3 & C \\
\hline MUP 373: Music Theatre: Performance & 1 & C \\
\hline MUP 451: Music Theatre Repertoire & 2 & C \\
\hline DCE Elective & 1-2 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) OR MHL 201: Media Literacy for Musicians (CS) & 3 & C \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline Term hours subtotal: & 14-15 & \\
\hline
\end{tabular}
- MUP 373: Music Theatre majors must complete six performances. At least four of these must be at ASU and up to two may be at Phoenix Theatre.
- DCE elective must be a movement class.

For course recommendations, please consult with academic advisor.
- Courses offered in spring semester only: MHL 342, MUP 451: Music Theatre Repertoire, MUP 465.
- Certain studios may require an additional semester of repertoire; please check with your studio professor.
- Gather a list of professional references.
Term 7 91-105 Credit Hours Necessary course signified by

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Performance (Orchestral Instrument), BMUS
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSPOBM
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
1. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

Milestone: School of Music students must successfully complete the
4. music theory diagnostic exam before enrolling in School of Music courses.

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142, or higher will fulfill requirement.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. All freshmen take MUP 101: ASU School of Music Experience to satisfy the First Year Seminar requirement.
- Completion of Piano Diagnostic Exam determines placement into Class Piano courses.
- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.
- Complete resume in MUP 101.
\begin{tabular}{|c|c|c|}
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (1) MUP 127: Studio Instruction & 4 & C \\
\hline (1) MUP 442: Instrumental Ensembles & 1 & C \\
\hline MHL 140: Music as Culture (HU \& G) & 3 & C \\
\hline MTC 221: Music Theory: 18th Century & 3 & C \\
\hline MUP 132: Class Piano & 1 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline \multicolumn{3}{|l|}{1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 15 & \\
\hline Term 3 31-47 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline 1. MUP 127: Studio Instruction & 4 & C \\
\hline (1) MUP 442: Instrumental Ensembles & 1 & C \\
\hline MTC 222: Music Theory: 19th Century & 3 & C \\
\hline MUP 231: Class Piano & 1 & C \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline
\end{tabular}
- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in spring semester only: MTC 221, MUP 132
- Familiarize yourself with information about musicians' health
Social-Behavioral Sciences (SB) AND Cultural Diversity in the
U.S. (C)
. Complete MTC 125 AND MUP 131 course(s).
1. Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (1) MUP 127: Studio Instruction & 4 & C \\
\hline (1) MUP 442: Instrumental Ensembles & 1 & C \\
\hline MTC 223: Music Theory: 20th Century & 3 & C \\
\hline MUP 232: Class Piano & 1 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline
\end{tabular}

Social-Behavioral Sciences (SB) AND Historical Awareness (H)
3
Complete MTC 221 AND MUP 132 course(s).
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 563-79 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline M ML 341: Music History I (HU) & 3 & C \\
\hline M MUP 327: Studio Instruction & 4 & C \\
\hline MUP 210: Beginning Instrumental Conducting & 1 & C \\
\hline MUP 442: Instrumental Ensembles & 1 & C \\
\hline MUP 479: Chamber Music Ensembles & 1 & C \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Elective & 3 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) OR MHL 201: Media Literacy for Musicians (CS) & 3 & C \\
\hline
\end{tabular}

Complete MTC 222 AND MUP 231 course(s).
Term hours subtotal:
16
Term 6 79 - 93 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global
Awareness (G) AND Historical Awareness (H) course(s).
Term hours subtotal:
14
Term 793-107 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c|c|c} 
Minimum \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline MUP 327: Studio Instruction & 4 & C \\
\hline MUP 442: Instrumental Ensembles & 1 & C \\
\hline MUP 451: Repertoire & 2 & C \\
\hline MUP 479: Chamber Music Ensembles & 1 & C \\
\hline Upper Division ( MHL 439 OR MHL 440 recommended) MHL course (L) & 3 & C \\
\hline Elective OR MDC 484: Internship OR MHL 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship & 3 & \\
\hline
\end{tabular}
- For chamber music ensemble requirements, in addition to MUP 479, MUP 385 and MUP 489 are acceptable for percussion majors. MUP 460 is acceptable for string and wind majors.
- MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.
- Certain studios may require an additional semester of repertoire; please check with your studio professor.
- MHL 440 is offered in fall only and MHL 439 is offered in spring only.
- Prepare, publicize, and present a public performance.
\(\begin{array}{l}\text { Term } 8 \text { 107-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

\section*{2018-2019 Major Map \\ Performance (Voice), BMUS}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSPVBM
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
(1. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

Milestone: School of Music students must successfully complete the
1. music theory diagnostic exam before enrolling in School of Music courses.
\begin{tabular}{|c|c|c|}
\hline MUP 101: The ASU School of Music Experience & 1 & C \\
\hline MUP 127: Studio Instruction & 4 & C \\
\hline MUP 443: Choral Ensembles & 1 & C \\
\hline MHL 140: Music as Culture (HU \& G) & 3 & C \\
\hline MTC 125: Basic Music Theory & 3 & C \\
\hline MUP 131: Class Piano & 1 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline
\end{tabular}

Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. All freshman students take MUP 101: ASU School of Music Experience to satisfy the First Year Seminar requirement.
- Completion of Piano Diagnostic Exam determines placement into Class Piano course.
- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.
- Complete resume in MUP 101.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 MUP 127: Studio Instruction & 4 & C & \multirow{8}{*}{\begin{tabular}{l}
- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. \\
- Courses offered in spring semester only: MTC 221, MUP 132. \\
- Familiarize yourself with information about musicians' health
\end{tabular}} \\
\hline 4 MUP 443: Choral Ensembles & 1 & C & \\
\hline MTC 221: Music Theory: 18th Century & 3 & C & \\
\hline MUP 132: Class Piano & 1 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Mathematics (MA) & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3 31-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline (1) MUP 127: Studio Instruction & 4 & C \\
\hline (1) MUP 443: Choral Ensembles & 1 & C \\
\hline FRE 101: Elementary French I (G) OR GER 101: Elementary German (G) OR ITA 101: Elementary Italian I (G) & 0-4 & C \\
\hline MTC 222: Music Theory: 19th Century & 3 & C \\
\hline
\end{tabular}
- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- All students must complete (or place out of) FRE 101, GER 101, \& ITA 101.
\begin{tabular}{|c|c|c|}
\hline MUP 231: Class Piano & 1 & C \\
\hline MUP 250: Diction for Singers & 1 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) OR MHL 201: Media Literacy for Musicians (CS) & 3 & C \\
\hline Complete MTC 125 AND MUP 131. & & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline Complete First-Year Composition requirement. & & \\
\hline Term hours subtotal: & 13-17 & \\
\hline
\end{tabular}
- MUP 250

Italian is offered in odd numbered fall semesters.
German is offered in even numbered spring semesters.
French is offered in even numbered fall semesters.
- Students who start in an even-numbered fall will follow this MUP250 Diction sequence starting in Term 3: Italian, German, French.
- Students who start in an odd-numbered fall will follow this MUP250 Diction sequence starting in Term 5: Italian, German, French.
- Failure to complete MTC 125 by the end of term 3 will impact ability to complete degree in 4 years.
- Courses offered in fall semester only: MTC 222, MUP 231.
\begin{tabular}{|c|c|c|c|}
\hline Term 444-58 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline ¢. MUP 127: Studio Instruction & 4 & C & \multirow[t]{3}{*}{- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.} \\
\hline 4 MUP 443: Choral Ensembles & 1 & C & \\
\hline FRE 101: Elementary French I (G) OR GER 101: Elementary German (G) OR ITA 101: Elementary Italian I (G) & 0-4 & C & \\
\hline
\end{tabular}
- All students must complete (or place out of) FRE 101, GER 101, \& ITA 101.
- Complete second Language 101 by the end of term 6.
- MUP 250

Italian is offered in odd numbered fall semesters.
German is offered in even numbered spring semesters.
French is offered in even numbered fall semesters.
- Courses offered in spring semester only: MTC 223, MUP 232.
- Talk to your studio instructor about ways to enhance your performance skills.
- Participate in at least two large ensemble performances and perform in studio class.
Term 5 58-73 Credit Hours Necessary course signified by
- Students starting in an odd-numbered fall will follow this MUP 250 Diction sequence starting in Term 5: Italian, German, French.
- Students must complete 6 hours total of Pedagogy and Repertoire courses. MUP 451, MUP 453, and MUP 481 are required.
- Courses offered in fall semester only: MHL 341, MUP 451.
- Courses offered in even numbered fall semesters: MUP 481.
- Courses offered in odd numbered spring semesters: MUP 453.

Term 8 105-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|}
\hline Upper Division ( MHL 439 OR MHL 440 recommended) MHL course (L) & 3 & C \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective & 3 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Performance and Movement - Dance and Theatre, BA}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIPERMVBA
\begin{tabular}{l} 
Term 10-17 Credit Hours Critical course signified by 4 Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} \\
(4. DCE 160: First-Year Creative Practices I \\
\hline THF 125: Orientation to Film, Dance and Theatre OR DCE 170: \\
First-Year Seminar I
\end{tabular}
\begin{tabular}{|l|l|c|c|}
\hline Term 2 17-32 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

DCE 124: Latin/Swing/Ballroom I OR DCE 125: Latin/Salsa I OR
!. DCE 133: Urban Movement Practices I OR DCE 134: Postmodern Contemporary I OR DCE 135: Contemporary Ballet I
1. THF 126: School of Film, Dance and Theatre: First-Year Experience OR DCE 171: First-Year Seminar II

DCE 161: First-Year Creative Practices II 3 THF 101: Acting Introduction OR THP 102: Acting I: Fundamentals \(3 \quad\) BTHF 160: Introduction to Storytelling 3 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
15-16

Term 3 32-47 Credit Hours Critical course signified by
Hours \begin{tabular}{c|c} 
Minimum \\
Grade
\end{tabular}
- Students in are expected to reach the advanced level of at least one of the four Personal Movement Practices (Postmodern Contemporary, Contemporary Ballet, Urban Movement or Movement Language Sources/Somatic Practices).
- Join an organization and/or participate in an off-campus performance project

DCE 124: Latin/Swing/Ballroom I OR DCE 224:
Latin/Swing/Ballroom II OR DCE 125: Latin/Salsa I OR DCE 225:
1. Latin/Salsa II OR DCE 133: Urban Movement Practices I OR DCE 233: Urban Movement Practices II OR DCE 135: Contemporary Ballet I OR DCE 235: Contemporary Ballet II

THF 215: Design and Composition for Theatre and Film OR DCE
4. 260: Second-Year Creative Practices I OR THP 213: Introduction t 3-4 C Technical Theatre OR THP 214: Introduction to Costuming

DCE 201: Dance, Culture, and Global Contexts (HU)
3
C
Computer/Statistics/Quantitative Applications (CS) ( DCE 240 recommended)
- Students are expected to reach the advanced level of at least one of the four Personal Movement Practices (Postmodern Contemporary, Contemporary Ballet, Urban Movement or Movement Language Sources/Somatic Practices).
- Establish career interests/develop soft skills, build a resume and research internship opportunities.



Hide Course List(s)/Track Group(s)
Suggested Electives: General Cluster
ARA 396: Professional Practices for Design and
the Arts
ARA 460: Gallery Exhibitions
ART 110: Drawing as Seeing and Thinking (HU)
ART 112: 2-D Design
ART 116: Introduction to Digital Media
ART 216: Intermedia Practices
DCE 111: Raqs Sharqi I
DCE 112: Capoeira I
DCE 113: Dances of Africa I
DCE 114: Dances of India I
DCE 126: Country-Western
Suggested Electives: Arts Policy,
Community and Socially Engaged Practice
Cluster

AFR 200: Introduction to Africana Studies (SB \& G \& H) or AFR 210: Introduction to African American Studies (C)

AFR 202: Immigration and Ethnic Relations in the U.S. (SB \& C) or ASB 202: Immigration and Ethnic Relations in the U.S. (SB \& C)

APA 200: Introduction to Asian Pacific American Studies ((HU or SB) \& C)

APA 340: Asian Pacific Americans and Media (HU \& C)

APA 360: Asian Pacific American Experience (( HU or SB\() \& \mathrm{C})\)

ASB 275: Culture, Language and Learning (SB \& C)

\section*{Suggested Electives: Urban Arts Cluster}

DCE 123: Hip Hop I
DCE 223: Hip Hop II
DCE 133: Urban Movement Practices I

DCE 233: Urban Movement Practices II

DCE 333: Urban Movement Practices III

DCE 338: Urban Movement Practices Ensemble

ENG 294: Social Media and Composition in a New Media Age, Visual Analysis: The Murals of Downtown Phoenix

MUS 294: Producing Hip Hop and Dance Music I

JUS 215: Bob Marley and Reggae: Lyrics of Resistance (HU \& G)
\begin{tabular}{|c|c|}
\hline DCE 136: Somatic Practices I & ARS 494: Arts \& Public Policy \\
\hline \multirow[t]{2}{*}{DCE 202: Dance in U.S. Popular Culture (HU \& C)} & HDA 310: Socially Engaged Practice \\
\hline & \\
\hline DCE 236: Somatic Practices II & \\
\hline DCE 240: Media for Dance (CS) & JUS 215: Bob Marley and Reggae: Lyrics of Resistance (HU \& G) \\
\hline DCE 294: & JUS 320: Community and Social Justice (SB \\
\hline HybridAction:PhysicalIntelligenceinDigitalCulture & \& C) \\
\hline DCE 336: Somatic Practices III & \multirow[t]{2}{*}{\begin{tabular}{l}
JUS 326: Music as Political Discourse: \\
Reggae, Calypso, and Hip Hop (HU \& H \& \\
G)
\end{tabular}} \\
\hline DCE 394: Creative Tools and Practices & \\
\hline DSC 394: Design Entrepreneurship \& Society & JUS 394: Gender and Hip Hop \\
\hline ENG 287: Beginning Creative Writing Workshop in Poetry & JUS 353: Borders, Prisons and Suburbs (SB \& C) \\
\hline ENG 294: Social Media and Composition in a New Media Age, Visual Analysis: The Murals of Downtown Phoenix & MHL 494: Music and Movement in Urban Culture \\
\hline FMP 201: Film: The Creative Proc & SOC 264: Gender and Society (SB \& C) \\
\hline FMP 220: Film and Media Post-Production I & SOC 270: Racial and Ethnic Relations (SB \& C) \\
\hline FMP 261: Introduction to Screenwriting & SOC 334: Technology and Society (L or SB) \\
\hline FMP 300: Film Production: Non-Majors & SOC 352: Social Change (SB \& G \& H) \\
\hline FMP 330: Professional and Technical Writing for Film/TV Industry & SOC 483: History of Social Thought (SB) \\
\hline FMP 394: Introduction to Photoshop for Visual Effects & SST 220: Introduction to Social Transformation \\
\hline FMP 417: Business and Legal Practices in Entertainment & SST 235: Disability, Justice and Advocacy (C) \\
\hline FMP 494: Business of Media Industries & SST 494: Transformational Leadership and Embodied Activism \\
\hline HDA 210: Creativity and Innovation in Design and the Arts & THP 482: Theatre for Social Change (C) \\
\hline HDA 252: Foundations of Arts Entrepreneurship & WST 100: Women, Gender, and Society (SB \& C) \\
\hline HDA 410: Design and the Arts Corps Seminar & \multirow[t]{2}{*}{WST 300: Women and Gender in Contemporary Society (SB \& C)} \\
\hline HDA 420: Design and the Arts Business & \\
\hline Administration & \multirow[t]{2}{*}{WST 302: History of Black Women in America (SB \& H)} \\
\hline IAP 331: Performance, Acting, and the Individual & \\
\hline IAP 334: Conceptual Development in the Arts & WST 470: Gender and Popular Culture (HU \& C) \\
\hline IAP 375: Contemporary Performance: Theories and Practice & \\
\hline MUE 494: Digital Collaborative Music Making & \\
\hline MUP 170: Music Theatre I & \\
\hline MUP 172: Music Theatre II & \\
\hline MUP 270: Music Theatre III & \\
\hline
\end{tabular}

JUS 326: Music as Political Discourse: Reggae, Calypso, and Hip Hop (HU \& H \& G)

JUS 394: Gender and Hip Hop
MHL 494: Music and Movement in Urban Culture

MUP 272: Music Theatre IV
MUS 294: Music and Society , Producing Hip Hop and Dance Music I

THE 421: Shakespeare: Stage and Film (L or HU)
THE 422: Latina and Latino Theatre and Film ( \(\mathrm{HU} \& \mathrm{C}\) )

THE 423: African American Theatre (C)
THE 426: Pre-Columbian Theatre of the Americas THE 440: Experimental Theatre and Performance (L)

THE 394: Performing the Border
THP 202: Acting II: Intermediate Techniques
THP 302: Acting III: Advanced Techniques
THP 218: Directing I: Introduction to Directing
THP 260: Introduction to Playwriting
THP 318: Directing II: Intermediate Directing

THP 351: Arts Management
THP 377: Acting: Voice and Speech
THP 387: Acting: TV and Film
THP 411: Methods of Teaching Drama THP 450: Theatre Organization and Management THP 452: Arts Entrepreneurship Seminar

Suggested Electives: Arts Business Cluster
ARA 396: Professional Practices for Design and the Arts

ARA 460: Gallery Exhibitions DSC 394: Design Entrepreneurship \& Society FMP 417: Business and Legal Practices in Entertainment

FMP 494: Business of Media Industries MUE 494: Digital Collaborative Music Making

MUP 319: Advanced Audio Engineering in the Arts

MUP 438: The Enterprising Musician
THP 450: Theatre Organization and Management

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Performance and Movement - Music Theatre, BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIPERMVBA
\begin{tabular}{|c|c|c|}
\hline Term 10-17 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline THF 125: Orientation to Film, Dance and Theatre OR DCE 170: First-Year Seminar I & 1 & C \\
\hline DCE 136: Somatic Practices I & 2 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MTC 125: Basic Music Theory OR MUS 100: Fundamentals of Music Notation & 3 & C \\
\hline MUP 170: Music Theatre I & 2 & C \\
\hline MUS 194: Beginning Class Voice for Non-Majors OR MUS 145: Nonmajors Class Piano: Beginner & 3 & C \\
\hline Mathematics (MA) & 3 & \\
\hline Term hours subtota & 17 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125/DCE 170 fulfills this requirement.
- For placement into MUP 170, meet with instructor before beginning of term.
- Students must take placement exam into MTC 125: Basic Music Theory. MTC 125 is offered in the fall semester only.
- Students must take 1 semester each of MUS 194 Beginning Class Voice for Non-Majors and MUS 145 Non-Majors Class Piano.

\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Complete First-Year Composition requirement.} \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{13} & \multirow[b]{2}{*}{Notes} \\
\hline Term 445-61 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & \\
\hline THP 272: Acting: Introduction to Movement OR THP 277: Acting: Introduction to Voice & 3 & B- & \\
\hline FMP 201: Film: The Creative Process I (HU) OR DCE 261: Second-Year Creative Practices II OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming & 3 & C & \\
\hline HDA 252: Foundations Arts and Design Entrepreneurship & 3 & C & \\
\hline MUP 121: Voice & 1 & C & \\
\hline MUP 272: Music Theatre IV & 2 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline THF 220: Principles of Dramatic Analysis (L or HU) OR DCE 301: Meaning in Motion (L or HU) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Students are encouraged to continue voice study through MUP 121 or may advance to MUP 321 per instructor approval. \\
- Suggest MUP 370 with instructor consent for Upper Division Music Theatre Elective. \\
- Please see course list from Suggested Electives: General Cluster. \\
- Engage in a community partnership or project.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Music Theatre Elective
\end{tabular} & 6 & C & \\
\hline Upper Division Suggested Elective & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 676-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline DCE 300: Moving Histories (HU) OR THE 320: History of the Theatre I (HU \& H) & 3 & C & - Students are encouraged to continue voice study through MUP 121 or may advance to \\
\hline THF 397: Professional Development Seminar & 1 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
MUP 321 per instructor approval. \\
- Suggest MUP 465 with instructor consent for Upper Division Music Theatre Elective. \\
- Suggested Elective from the Arts Business Cluster or the Arts Policy, Community and Socially Engaged Practice Cluster.
\end{tabular}} \\
\hline DCE 303: The Body Condition(ed) (SB) OR Upper Division Suggested Elective & 3 & C & \\
\hline MUE 311: Music in the Lives of Children and Youth (HU) & 3 & C & \\
\hline Upper Division Music Theatre Elective & 3 & C & \\
\hline Upper Division Suggested Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 792-106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline THP 452: Arts Entrepreneurship Seminar & 3 & C & \multirow[t]{2}{*}{- Students are encouraged to continue voice study through MUP 121 or may advance to MUP 321 per instructor approval.} \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Music Theatre Elective
\end{tabular} & 8 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) AND Cultural Diversity in the U.S. (C) & 3 & & - Suggest MUP 470 with instructor consent for Upper Division Music Theatre Elective. \\
\hline Term hours subtotal: & 14 & & credits of Upper Division Music Theatre Electives. \\
\hline
\end{tabular}
- Start networking professionally.
Term 8 106-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- In the Upper Division Music Theatre Elective track, please note that MUP 321: Voice, MUP 370, MUP 465, MUP 470 and MUP 472 all require instructor consent to enroll.
\begin{tabular}{|c|}
\hline Hide Course List(s)/Track Group(s) \\
\hline Suggested Electives: Arts Policy, Community and Socially Engaged Practice Cluster \\
\hline AFR 200: Introduction to Africana Studies (SB \& G \& H) or AFR 210: Introduction to African American Studies (C) \\
\hline \begin{tabular}{l}
AFR 202: Immigration and Ethnic Relations in the U.S. (SB \& C) or ASB 202: \\
Immigration and Ethnic Relations in the U.S. (SB \& C)
\end{tabular} \\
\hline APA 200: Introduction to Asian Pacific American Studies ((HU or SB) \& C) \\
\hline APA 340: Asian Pacific Americans and Media (HU \& C) \\
\hline APA 360: Asian Pacific American Experience ((HU or SB) \& C) \\
\hline ARS 494: Arts \& Public Policy \\
\hline ASB 275: Culture, Language and Learning
\[
(\mathrm{SB} \& \mathrm{C})
\] \\
\hline HDA 310: Socially Engaged Practice \\
\hline JUS 105: Introduction to Justice Studies (SB) \\
\hline JUS 215: Bob Marley and Reggae: Lyrics of Resistance (HU \& G) \\
\hline JUS 320: Community and Social Justice (SB \& C) \\
\hline \begin{tabular}{l}
JUS 326: Music as Political Discourse: \\
Reggae, Calypso, and Hip Hop (HU \& H \& \\
G)
\end{tabular} \\
\hline
\end{tabular}
Suggested Electives: Urban Arts Cluster
DCE 123: Hip Hop I
Suggested Electives: General Cluster
DCE 133: Urban Movement Practices I \begin{tabular}{l} 
ARA 396: Professional Practices for Design and \\
the Arts
\end{tabular}

JUS 353: Borders, Prisons and Suburbs (SB \& C)

JUS 394: Gender and Hip Hop
MHL 494: Music and Movement in Urban Culture

SOC 264: Gender and Society (SB \& C)
SOC 270: Racial and Ethnic Relations (SB \& C)

SOC 334: Technology and Society (L or SB)
SOC 352: Social Change (SB \& G \& H)
SOC 483: History of Social Thought (SB)
SST 220: Introduction to Social Transformation

SST 235: Disability, Justice and Advocacy (C)

SST 494: Transformational Leadership and Embodied Activism

THP 482: Theatre for Social Change (C)
WST 100: Women, Gender, and Society (SB \& C)

WST 300: Women and Gender in
Contemporary Society (SB \& C)
WST 302: History of Black Women in America (SB \& H)

WST 470: Gender and Popular Culture (HU \& C)

ENG 287: Beginning Creative Writing Workshop in Poetry

ENG 294: Social Media and Composition in a
New Media Age, Visual Analysis: The Murals of Downtown Phoenix

FMP 201: Film: The Creative Process I (HU)
FMP 220: Film and Media Post-Production I
FMP 261: Introduction to Screenwriting
FMP 300: Film Production: Non-Majors
FMP 330: Professional and Technical Writing for Film/TV Industry

FMP 394: Introduction to Photoshop for Visual Effects

FMP 417: Business and Legal Practices in Entertainment

FMP 494: Business of Media Industries
HDA 210: Creativity and Innovation in Design and the Arts

HDA 252: Foundations of Arts Entrepreneurship HDA 410: Design and the Arts Corps Seminar

HDA 420: Design and the Arts Business
Administration

IAP 331: Performance, Acting, and the Individual IAP 334: Conceptual Development in the Arts

IAP 375: Contemporary Performance: Theories and Practice

MUE 494: Digital Collaborative Music Making
MUS 294: Music and Society , Producing Hip Hop and Dance Music I

THE 394: Performing the Border
THE 421: Shakespeare: Stage and Film (L or HU)
THE 422: Latina and Latino Theatre and Film ( \(\mathrm{HU} \& \mathrm{C}\) )

THE 423: African American Theatre (C)
THE 426: Pre-Columbian Theatre of the Americas THE 440: Experimental Theatre and Performance (L)

THP 202: Acting II: Intermediate Techniques

THP 218: Directing I: Introduction to Directing THP 260: Introduction to Playwriting THP 302: Acting III: Advanced Techniques


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ - Humanities, Arts and Design (HU) \\ - Social-Behavioral Sciences (SB) \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Performance and Movement - Social and Partnership Dance, BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIPERMVBA


Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline DCE 201: Dance, Culture, and Global Contexts (HU) & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- Students should opt to choose two-semester sequence in the same area (i.e. DCE 260/261 or THP 213/214) \\
- Establish career interests/develop soft skills, build a resume and research internship opportunities.
\end{tabular}} \\
\hline DCE 224: Latin/Swing/Ballroom II OR DCE 225: Latin/Salsa II & 2 & C & \\
\hline THF 215: Design and Composition for Theatre and Film OR DCE 260: Second-Year Creative Practices I OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming & 3-4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) ( DCE 240 recommended) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline (1. Complete Mathematics (MA) requirement. & & & \\
\hline Complete First-Year Composition requirement. & & & \\
\hline Term hours subtotal: & 15-16 & & \\
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}



Hide Course List(s)/Track Group(s)
Suggested Electives: Arts Policy, Community and Socially Engaged Practice Cluster

AFR 200: Introduction to Africana Studies (SB \& G \& H) or AFR 210: Introduction to African American Studies (C)

AFR 202: Immigration and Ethnic Relations in the U.S. (SB \& C) or ASB 202: Immigration and Ethnic Relations in the U.S. (SB \& C)

APA 200: Introduction to Asian Pacific American Studies ((HU or SB) \& C)

APA 340: Asian Pacific Americans and Media (HU \& C)

APA 360: Asian Pacific American Experience ((HU or SB) \& C)

ASB 275: Culture, Language and Learning (SB \& C)

ARS 494: Arts \& Public Policy

HDA 310: Socially Engaged Practice
JUS 105: Introduction to Justice Studies (SB)
JUS 215: Bob Marley and Reggae: Lyrics of Resistance (HU \& G)

JUS 320: Community and Social Justice (SB \& C)

JUS 326: Music as Political Discourse: Reggae, Calypso, and Hip Hop (HU \& H \& G)

JUS 394: Gender and Hip Hop
JUS 353: Borders, Prisons and Suburbs (SB \& C)

MHL 494: Music and Movement in Urban Culture

\section*{Suggested Electives: Urban Arts Cluster}

DCE 123: Hip Hop I
DCE 223: Hip Hop II

DCE 133: Urban Movement Practices I

DCE 233: Urban Movement Practices II

DCE 333: Urban Movement Practices III

DCE 338: Urban Movement Practices Ensemble

ENG 294: Social Media and Composition in a New Media Age, Visual Analysis: The Murals of Downtown Phoenix

MUS 294: Producing Hip Hop and Dance Music I

JUS 215: Bob Marley and Reggae: Lyrics of Resistance (HU \& G)

JUS 326: Music as Political Discourse: Reggae, Calypso, and Hip Hop (HU \& H \& G)

JUS 394: Gender and Hip Hop

MHL 494: Music and Movement in Urban Culture

Suggested Electives: General Cluster
ARA 396: Professional Practices for Design and the Arts

ARA 460: Gallery Exhibitions
ART 110: Drawing as Seeing and Thinking (HU)
ART 112: 2-D Design
ART 116: Introduction to Digital Media
ART 216: Intermedia Practices

ART 443: Intermedia Performance

DCE 111: Raqs Sharqi I

DCE 112: Capoeira I
DCE 113: Dances of Africa I

DCE 114: Dances of India I
DCE 126: Country-Western
DCE 136: Somatic Practices I
DCE 202: Dance in U.S. Popular Culture (HU \& C)

DCE 236: Somatic Practices II
DCE 240: Media for Dance (CS)
DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture
DCE 336: Somatic Practices III
DCE 394: Creative Tools and Practices
DSC 394: Design Entrepreneurship \& Society
ENG 287: Beginning Creative Writing Workshop in Poetry

SOC 264: Gender and Society (SB \& C)

SOC 270: Racial and Ethnic Relations (SB \& C)

SOC 334: Technology and Society (L or SB)

SOC 352: Social Change (SB \& G \& H)

SOC 483: History of Social Thought (SB)

SST 220: Introduction to Social Transformation

SST 235: Disability, Justice and Advocacy (C)

SST 494: Transformational Leadership and Embodied Activism

THP 482: Theatre for Social Change (C)

WST 100: Women, Gender, and Society (SB \& C)

WST 300: Women and Gender in
Contemporary Society (SB \& C)
WST 302: History of Black Women in America (SB \& H)

WST 470: Gender and Popular Culture (HU \& C)

ENG 294: Social Media and Composition in a New Media Age, Visual Analysis: The Murals of Downtown Phoenix

FMP 201: Film: The Creative Process I (HU)

FMP 220: Film and Media Post-Production I

FMP 261: Introduction to Screenwriting

FMP 300: Film Production: Non-Majors

FMP 330: Professional and Technical Writing for Film/TV Industry

FMP 394: Introduction to Photoshop for Visual Effects

FMP 417: Business and Legal Practices in Entertainment

FMP 494: Business of Media Industries
HDA 210: Creativity and Innovation in Design and the Arts

HDA 252: Foundations of Arts Entrepreneurship
HDA 410: Design and the Arts Corps Seminar
HDA 420: Design and the Arts Business Administration

IAP 331: Performance, Acting, and the Individual
IAP 334: Conceptual Development in the Arts
IAP 375: Contemporary Performance: Theories and Practice

MUE 494: Digital Collaborative Music Making MUP 170: Music Theatre I

MUP 172: Music Theatre II
MUP 270: Music Theatre III

MUP 272: Music Theatre IV

MUS 294: Music and Society , Producing Hip Hop and Dance Music I

THE 421: Shakespeare: Stage and Film (L or HU)
THE 422: Latina and Latino Theatre and Film ( \(\mathrm{HU} \& \mathrm{C}\) )

THE 423: African American Theatre (C)
THE 426: Pre-Columbian Theatre of the Americas

THE 440: Experimental Theatre and Performance (L)

THE 394: Performing the Border
THP 202: Acting II: Intermediate Techniques

THP 302: Acting III: Advanced Techniques
THP 218: Directing I: Introduction to Directing
THP 260: Introduction to Playwriting
THP 318: Directing II: Intermediate Directing

THP 351: Arts Management

THP 377: Acting: Voice and Speech

THP 387: Acting: TV and Film

THP 411: Methods of Teaching Drama

THP 450: Theatre Organization and Management

THP 452: Arts Entrepreneurship Seminar
Suggested Electives: Arts Business Cluster
ARA 396: Professional Practices for Design
and the Arts
ARA 460: Gallery Exhibitions
DSC 394: Design Entrepreneurship \& Society
FMP 417: Business and Legal Practices in
Entertainment
FMP 494: Business of Media Industries
MUE 494: Digital Collaborative Music
Making
MUP 319: Advanced Audio Engineering in the
Arts
MUP 438: The Enterprising Musician
THP 450: Theatre Organization and
Management

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Performance and Movement - Urban Arts, BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
HIPERMVBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) DCE 133: Urban Movement Practices I & 2 & B+ & \multirow[b]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement
\end{tabular}} \\
\hline THF 125: Orientation to Film, Dance and Theatre OR DCE 170: First-Year Seminar I & 1 & C & \\
\hline DCE 136: Somatic Practices I & 2 & C & \\
\hline DCE 160: First-Year Creative Practices I & 3 & C & Assessment score determines \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
\hline Mathematics (MA) & 3 & & THF 125/ DCE 170 fulfills this \\
\hline Term hours subtotal: & 14 & & \begin{tabular}{l}
requirement. \\
- Join an organization and/or participate in an off-campus performance project.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1) DCE 133: Urban Movement Practices I & 2 & B+ & \multirow{8}{*}{- Students are expected to reach the advanced level of at least one of the four Personal Movement Practices (Postmodern Contemporary, Contemporary Ballet, Urban Movement or Movement Language Sources/Somatic Practices).} \\
\hline (1. THF 126: School of Film, Dance and Theatre: First-Year Experience OR DCE 171: First-Year Seminar II & 2 & C & \\
\hline DCE 161: First-Year Creative Practices II & 3 & C & \\
\hline THF 101: Acting Introduction OR THP 102: Acting I: Fundamentals & 3 & B- & \\
\hline THF 160: Introduction to Storytelling & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4. DCE 201: Dance, Culture, and Global Contexts (HU) & 3 & C & \multirow[b]{3}{*}{- Students are expected to reach the advanced level of at least one of the four Personal Movement Practices (Postmodern Contemporary, Contemporary Ballet, Urban Movement or Movement Language Sources/Somatic Practices).} \\
\hline (4) DCE 233: Urban Movement Practices II & 2 & B+ & \\
\hline THF 215: Design and Composition for Theatre and Film OR DCE 260: Second-Year Creative Practices I OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming & 3-4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) ( DCE 240 recommended) & 3 & & - Establish career interests/develop soft skills, build a resume and research \\
\hline Natural Science - Quantitative (SQ) & 4 & & internship opportunities. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline 4 DCE 233: Urban Movement Practices II & 2 & B+ & \multirow[t]{5}{*}{- Students are expected to reach the advanced level of at least one of the four Personal Movement Practices (Postmodern Contemporary, Contemporary Ballet, Urban Movement or Movement Language Sources/Somatic Practices).} \\
\hline \begin{tabular}{l}
DCE 261: Second-Year Creative Practices II OR FMP 201: Film: \\
The Creative Process I (HU) OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming
\end{tabular} & 3-4 & C & \\
\hline HDA 252: Foundations of Arts Entrepreneurship & 3 & C & \\
\hline THP 277: Acting: Introduction to Voice & 3 & B & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 15-16 & & \\
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W DCE 333: Urban Movement Practices III & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Students are expected to reach the advan level of at least one of the four Personal Movement Practices (Postmodern Contemporary, Contemporary Ballet, U Movement or Movement Language Sources/Somatic Practices). \\
- Suggested Elective from the Urban Arts Cluster \\
- Career degree alignment. Engage in a community partnership or project.
\end{tabular}} \\
\hline DCE 338: Urban Movement Practices Ensemble & 1 & C & \\
\hline THF 220: Principles of Dramatic Analysis (L or HU) OR DCE 301: Meaning in Motion (L or HU) & 3 & C & \\
\hline THP 482: Theatre for Social Change (C) OR DCE 360: Third-Year Creative Practices I OR HDA 310: Socially Engaged Practice & 3 & C & \\
\hline Upper Division Suggested Electives & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline THF 397: Professional Development Seminar & 1 & C & \multirow{4}{*}{- Suggested Elective from the Arts Policy, Community, and Socially Engaged Practice Cluster or the Arts Business Cluster} \\
\hline DCE 300: Moving Histories (HU) OR THE 320: History of the Theatre I (HU \& H) & 3 & C & \\
\hline DCE 303: The Body Condition(ed) (SB) OR Upper Division Suggested Elective & \multicolumn{2}{|l|}{3} & \\
\hline DCE 338: Urban Movement Practices Ensemble & 1 & C & \\
\hline \begin{tabular}{l}
THP 311: Creative Drama with Youth (L) or DCE 350: Dance in the Classroom: Learning Through Movement (HU) OR DCE 361: \\
Third-Year Creative Practices II
\end{tabular} & 3 & C & \\
\hline Upper Division Suggested Elective AND Cultural Diversity in the U.S. (C) & \multicolumn{2}{|l|}{3} & \\
\hline Suggested Electives & \multicolumn{2}{|l|}{1} & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 791-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline DCE 438: Dance Theatre Performance/Production OR DCE 460: Transition Project I & 2-4 & C & \multirow[t]{2}{*}{- Suggested Elective from the Arts Policy, Community, and Socially Engaged Practice} \\
\hline DCE 402: Ethnography of Dance Practices (L) OR DCE 404: Dance and Ethics OR DCE 405: Rhetorical Moves (L or HU) & 3 & C & \\
\hline THP 301: Production & 1 & C & \multirow[b]{2}{*}{- Start networking professionally.} \\
\hline THP 452: Arts Entrepreneurship Seminar & 3 & C & \\
\hline \multicolumn{3}{|r|}{Academic Catalog Archive 2018-2019} & 2510 \\
\hline
\end{tabular}


Hide Course List(s)/Track Group(s)
Suggested Electives: Arts Policy, Community and Socially Engaged Practice Cluster

AFR 200: Introduction to Africana Studies (SB \& G \& H) or AFR 210: Introduction to African American Studies (C)

AFR 202: Immigration and Ethnic Relations in the U.S. (SB \& C) or ASB 202:
Immigration and Ethnic Relations in the U.S. (SB \& C)

APA 200: Introduction to Asian Pacific American Studies ((HU or SB) \& C)

APA 340: Asian Pacific Americans and Media (HU \& C)

APA 360: Asian Pacific American Experience ((HU or SB) \& C)

ASB 275: Culture, Language and Learning (SB \& C)

ARS 494: Arts \& Public Policy

HDA 310: Socially Engaged Practice

JUS 105: Introduction to Justice Studies (SB)

JUS 215: Bob Marley and Reggae: Lyrics of Resistance (HU \& G)

JUS 320: Community and Social Justice (SB \& C)

JUS 326: Music as Political Discourse: Reggae, Calypso, and Hip Hop (HU \& H \& G)

JUS 394: Gender and Hip Hop

Suggested Electives: Urban Arts Cluster
DCE 123: Hip Hop I
DCE 223: Hip Hop II

DCE 133: Urban Movement Practices I

DCE 233: Urban Movement Practices II

DCE 333: Urban Movement Practices III

DCE 338: Urban Movement Practices Ensemble

ENG 294: Social Media and Composition in a New Media Age, Visual Analysis: The Murals of Downtown Phoenix

MUS 294: Producing Hip Hop and Dance Music I

JUS 215: Bob Marley and Reggae: Lyrics of Resistance (HU \& G)

JUS 326: Music as Political Discourse:
Reggae, Calypso, and Hip Hop (HU \& H \& G)

JUS 394: Gender and Hip Hop

MHL 494: Music and Movement in Urban Culture

\section*{Suggested Electives: General Cluster}

ARA 396: Professional Practices for Design and the Arts

\section*{ARA 460: Gallery Exhibitions}

ART 110: Drawing as Seeing and Thinking (HU)
ART 112: 2-D Design
ART 116: Introduction to Digital Media

ART 216: Intermedia Practices
ART 443: Intermedia Performance
DCE 111: Belly Dancing I

DCE 112: Capoeira I

DCE 113: Dances of Africa I

DCE 114: Dances of India I

DCE 126: Country-Western
DCE 136: Somatic Practices I

DCE 202: Dance in U.S. Popular Culture (HU \& C)

DCE 236: Somatic Practices II

DCE 240: Media for Dance (CS)
DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture

DCE 336: Somatic Practices III

DCE 394: Creative Tools and Practices

DSC 394: Design Entrepreneurship \& Society

JUS 353: Borders, Prisons and Suburbs (SB \& C)

MHL 494: Music and Movement in Urban Culture

SOC 264: Gender and Society (SB \& C)
SOC 270: Racial and Ethnic Relations (SB \& C)

SOC 334: Technology and Society (L or SB)
SOC 352: Social Change (SB \& G \& H)
SOC 483: History of Social Thought (SB)
SST 220: Introduction to Social
Transformation

SST 235: Disability, Justice and Advocacy
(C)

SST 494: Transformational Leadership and
Embodied Activism

THP 482: Theatre for Social Change (C)
WST 100: Women, Gender, and Society (SB \& C)

WST 300: Women and Gender in
Contemporary Society (SB \& C)
WST 302: History of Black Women in America (SB \& H)

WST 470: Gender and Popular Culture (HU \& C)

ENG 287: Beginning Creative Writing Workshop in Poetry

ENG 294: Social Media and Composition in a New Media Age, Visual Analysis: The Murals of Downtown Phoenix

FMP 201: Film: The Creative Process I (HU)
FMP 220: Film and Media Post-Production I

FMP 261: Introduction to Screenwriting
FMP 300: Film Production: Non-Majors
FMP 330: Professional and Technical Writing for Film/TV Industry

FMP 394: Introduction to Photoshop for Visual Effects

FMP 417: Business and Legal Practices in
Entertainment

FMP 494: Business of Media Industries

HDA 210: Creativity and Innovation in Design and the Arts

HDA 252: Foundations of Arts Entrepreneurship

HDA 410: Design and the Arts Corps Seminar

HDA 420: Design and the Arts Business
Administration

IAP 331: Performance, Acting, and the Individual

IAP 334: Conceptual Development in the Arts

IAP 375: Contemporary Performance: Theories and Practice

MUE 494: Digital Collaborative Music Making

MUP 170: Music Theatre I

MUP 172: Music Theatre II

MUP 270: Music Theatre III

MUP 272: Music Theatre IV

MUS 294: Music and Society , Producing Hip Hop and Dance Music I

THE 421: Shakespeare: Stage and Film (L or HU)

THE 422: Latina and Latino Theatre and Film ( \(\mathrm{HU} \& \mathrm{C}\) )

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

THE 440: Experimental Theatre and Performance (L)

THE 394: Performing the Border
Suggested Electives: Arts Business Cluster
ARA 396: Professional Practices for Design
and the Arts
ARA 460: Gallery Exhibitions
DSC 394: Design Entrepreneurship \& Society
FMP 417: Business and Legal Practices in
Entertainment
FMP 494: Business of Media Industries
MUE 494: Digital Collaborative Music
Making
MUP 319: Advanced Audio Engineering in the
Arts
MUP 438: The Enterprising Musician
THP 450: Theatre Organization and
Management

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

THP 202: Acting II: Intermediate Techniques
THP 302: Acting III: Advanced Techniques
THP 218: Directing I: Introduction to Directing

THP 260: Introduction to Playwriting

THP 318: Directing II: Intermediate Directing

THP 351: Arts Management

THP 377: Acting: Voice and Speech THP 387: Acting: TV and Film THP 411: Methods of Teaching Drama THP 450: Theatre Organization and Management THP 452: Arts Entrepreneurship Seminar

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Theatre, BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FATHEBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) THF 125: Orientation to Film, Dance and Theatre & 1 & C & \multirow[b]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessement score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. THF 125: Orientation to Theatre \& Film required of all freshman theatre and film majors only. \\
- Student must complete THP 102 for degree. Student may take THP 213 or 214 for degree. \\
- Join a student organization. Get involved in a production.
\end{tabular}} \\
\hline THP 102: Acting I: Fundamentals OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming & 3-4 & C & \\
\hline THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film & 3 & C & \\
\hline THP 201: Theatre Production Crew & 1 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Mathematics (MA) & 3 & & \\
\hline Maintain 2.50 GPA in Theatre and Film courses. & & & \\
\hline Term hours subtotal: & 14-15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) THF 126: School of Film, Dance and Theatre: First-Year Experience & 2 & C & \multirow{9}{*}{\begin{tabular}{l}
- THF 160 and THP 201 must be completed by the end of term 3 . \\
- Student must complete THP 102 for degree. Student may take THP 213 or 214 for degree. \\
- Find a mentor.
\end{tabular}} \\
\hline (1. THP 102: Acting I: Fundamentals OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming & 3-4 & C & \\
\hline THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Elective & 3 & & \\
\hline (4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Maintain 2.50 GPA in Theatre and Film courses. & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 17-18} & \\
\hline Term 331-47 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) THF 220: Principles of Dramatic Analysis (L or HU) & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- THF 215 must be completed by the end of term 4. \\
- Establish career interests, develop soft skills and build a resume. Deepen involvement in a production, and narrow focus.
\end{tabular}} \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Complete 2 courses: & 6 & & \\
\hline
\end{tabular}


Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

THP 218: Directing I: Introduction to Directing 3
FMP OR THE OR THP Elective 3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. 3
(C)

Complete THF 215 course.
Maintain 2.50 GPA in Theatre and Film courses.
Term hours subtotal: 13
\begin{tabular}{|c|c|c|c|}
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline THE 320: History of the Theatre I (HU \& H) & 3 & C & \multirow[t]{5}{*}{- Explore career options. Start work on a long-term project with faculty mentor.} \\
\hline THP 301: Theatre Production & 1 & C & \\
\hline FMP OR THE OR THP Elective & 3 & C & \\
\hline Complete 3 courses: Upper Division Elective & \multicolumn{2}{|l|}{9} & \\
\hline Maintain 2.50 GPA in Theatre and Film courses. & & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline THE 440: Experimental Theatre and Performance (L) & 3 & C & \multirow[t]{3}{*}{- Start networking. Do an internship. Complete a major project in specific area.} \\
\hline Complete 3 courses: & \multirow[t]{2}{*}{9} & \multirow[t]{2}{*}{C} & \\
\hline FMP OR THE OR THP Upper Division Elective & & & \\
\hline Upper Division Elective OR THP 484: Internship & 3 & & \\
\hline Maintain 2.50 GPA in Theatre and Film courses. & & & \\
\hline Term hours subtotal & 15 & & \\
\hline Term 8107-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline THF 497: Senior Project OR THP 428: Theatre and the Future & 1-6 & C \\
\hline Complete 2 courses: & \multirow[t]{2}{*}{6} & \multirow[t]{2}{*}{C} \\
\hline FMP OR THE OR THP Upper Division Elective & & \\
\hline FMP OR THE OR THP Elective & 3 & C \\
\hline Elective & 3 & \\
\hline Maintain 2.50 GPA in Theatre and Film courses. & & \\
\hline
\end{tabular}
- Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Theatre \& Film (term 1) is not required for transfer students.

Hide Course List(s)/Track Group(s)
Dramatic Literature Course: Select 1 course; 3 credits.

THE 421: Shakespeare: Stage and Film (L or HU)

THE 422: Latina and Latino Theatre and Film (HU \& C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.50 minimum Cumulative GPA: 2.00 minimum Total hrs at ASU: 30 minimum Hrs Resident Credit for Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Theatre (Acting), BA
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FATHEABA



\begin{tabular}{|c|c|}
\hline Hide Course List(s)/Track Group(s) & \\
\hline Dramatic Literature Course: Select 1 course; 3 credits. & THP Acting Elective Courses: Select 3 courses; 9 credits. \\
\hline \multirow[t]{2}{*}{THE 421: Shakespeare: Stage and Film (L or \(\mathrm{HU})\)} & THP 301: Acting Mainstage \\
\hline & THP 302: Acting III: Advanced Techniques \\
\hline THE 422: Latina and Latino Theatre and Film
\[
(\mathrm{HU} \& \mathrm{C})
\] & THP 307: Acting: Research and Performance \\
\hline THE 423: African American Theatre (C) & THP 372: Acting: Advanced Movement \\
\hline \multirow[t]{2}{*}{THE 426: Pre-Columbian Theatre of the Americas} & THP 377: Acting: Voice and Speech \\
\hline & THP 385: Acting: Classical and Poetic Drama \\
\hline & THP 387: Acting: TV and Film \\
\hline & THP 420: Acting: Solo and Collaborative Performance \\
\hline & THP 483: Acting: Viewpoints and Composition \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FADSNPRBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by ! & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. THF 125: Orientation to Film, Dance and Theatre & 1 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular}} \\
\hline THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film & 3 & C & \\
\hline THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming & 4 & C & \\
\hline THP 102: Acting I: Fundamentals OR THP 201: Theatre Production Crew & 1-3 & C & \begin{tabular}{l}
course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman
\end{tabular} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & students. THF 125: Orientation to Theatre and Film required of all freshman Theatre and Film majors only. \\
\hline Mathematics (MA) & 3 & & - Develop and build upon a resume. Start \\
\hline Maintain 3.00 GPA in Theatre and Film courses. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15-17 & & \\
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. THF 126: School of Film, Dance and Theatre: First-Year Experience & 2 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Prospective Design \& Production concentration students must successfully pass an interview and portfolio review at the end of term 2. \\
- THP 201 must be completed by the end of term 3.
\end{tabular}} \\
\hline THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film & 3 & C & \\
\hline THP 102: Acting I: Fundamentals OR THP 201: Theatre Production Crew & 1-3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) OR FMP 255: Media Authorship (CS) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Milestone: Successful completion of an interview and portfolio review. & & & \\
\hline (1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Maintain 3.00 GPA in Theatre and Film courses. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15-17 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

THF 220: Principles of Dramatic Analysis (L or HU)
Upper Division Design \& Production Concentration Core Course
Design \& Production Concentration Elective

3 C
3 C
1-3 C
- Prospective Design \& Production concentration students must successfully pass an interview and portfolio review at the term 2
- THP 201 must be completed by the end of term 3.
- THP 102 must be completed by the end of term 4.

Term 7 90 \(\mathbf{- 1 0 6}\) Credit Hours Necessary course signified by

Hide Course List(s)/Track Group(s)

Dramatic Literature Course: Select 1 course; 3 credits

THE 421: Shakespeare: Stage and Film (L or \(\mathrm{HU})\)

THE 422: Latina and Latino Theatre and Film ( \(\mathrm{HU} \& \mathrm{C}\) )

THE 423: African American Theatre (C)
THE 426: Pre-Columbian Theatre of the Americas

Design \& Production Concentration Core Course: Select 4 courses; 12 credits.

THP 317: Stage Management
THP 330: Costume Design
THP 340: Scene Design
THP 345: Lighting Design

THP 350: Sound Design

THP 351: Arts Management
THP 355: Media Design for Performance
THP 431: Advanced Costume Construction
THP 435: Technical Direction
THP 442: Drawing

Design \& Production Concentration Electives: Minimum 9 credits.

FMP 494: Art Direction
THE 430: History of Fashion I (HU)
THP 317: Stage Management
THP 330: Costume Design

THP 332: Makeup
THP 335: Advanced Stagecraft THP 340: Scene Design THP 345: Lighting Design THP 350: Sound Design

THP 355: Media Design for Performance
THP 394: Pattern Drafting for Theatre
THP 401: Advanced Technical Theatre, Costume Construction, Lighting, Lighting, Sound, and Media, Make-Up, Production, Set Construction, Sound, Stage Design,

Stage Management, Technical Theatre ,
Technical Theatre/Stage Management
THP 406: Advanced Scenography
THP 431: Advanced Costume Construction
THP 435: Technical Direction
THP 440: Advanced Scene Design
THP 441: Scene Painting
THP 442: Drawing
THP 444: Drafting for the Stage
THP 445: Advanced Lighting Design
THP 448: AutoCAD for Live Entertainment

THP 449: AutoCAD 3D for Live
Entertainment
THP 450: Theatre Organization and Management

THP 455: Advanced Media Design
THP 457: Digital Portfolio
THP 498: Costume Design, Design Practicum
, Design Project: Lighting \& Sound, Design
Project: Property Design, Design Project: Scene Design, Lighting Design, Media Design Practicum, Props Master, Scenic Design, Sound Design, Stage Management, Technical Direction

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Theory and Composition (Composition), BMUS}

School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSTCBM
\begin{tabular}{|l|l|l|l|}
\hline Term 10-15 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
1. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

Milestone: School of Music students must successfully complete th
music theory diagnostic exam before enrolling in School of Music courses.

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUP 101: ASU School of Music Experience - First Year Seminar required of all freshman students
- Completion of Piano Diagnostic

Exam determines placement into Class Piano courses.
- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.
- Complete resume in MUP 101.
\begin{tabular}{|c|c|c|c|}
\hline Term 215-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4.) MTC 123: Beginning Composition & 1 & C & \multirow{9}{*}{\begin{tabular}{l}
- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. \\
- Courses offered in spring semester only: MTC 221, MUP 132. \\
- Familiarize yourself with information about musicians' health
\end{tabular}} \\
\hline (1) MTC 221: Music Theory: 18th Century & 3 & C & \\
\hline 4. MUP 111: Studio Instruction & 2 & C & \\
\hline (6) 4** MUP Music Ensemble & 1 & C & \\
\hline MHL 140: Music as Culture (HU \& G) & 3 & C & \\
\hline MUP 132: Class Piano & 1 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \multicolumn{3}{|l|}{(1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 3-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. MTC 123: Beginning Composition & 1 & C & \multirow[t]{3}{*}{- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.} \\
\hline (1) MTC 222: Music Theory: 19th Century & 3 & C & \\
\hline (4) MUP 111: Studio Instruction & 2 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline (1. 4** MUP Music Ensemble \(^{\text {a }}\) & 1 C \\
\hline MUP 231: Class Piano & 1 C \\
\hline MHL 201: Media Literacy for Musicians (CS) OR Computer/Statistics/Quantitative Applications (CS) & 3 C \\
\hline Natural Science - Quantitative (SQ) & 4 \\
\hline \multicolumn{2}{|l|}{4. Complete MUP 131.} \\
\hline \multicolumn{2}{|l|}{4 Complete Mathematics (MA) requirement.} \\
\hline Complete First-Year Composition requirement. & \\
\hline
\end{tabular}

\section*{Term hours subtotal: 15}
\begin{tabular}{|c|c|c|}
\hline Term 444-61 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline (4) MTC 123: Beginning Composition & 1 & C \\
\hline (4) MTC 223: Music Theory: 20th Century & 3 & C \\
\hline (4) MUP 111: Studio Instruction & 2 & C \\
\hline (4) \(4 * *\) MUP Music Ensemble & 1 & C \\
\hline MTC 321: Tonal Counterpoint & 2 & C \\
\hline MUP 232: Class Piano & 1 & C \\
\hline
\end{tabular}

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

Social-Behavioral Sciences (SB) AND Cultural Diversity in the 3 U.S. (C)

\section*{Complete MUP 132.}

\section*{Term hours subtotal:}

17
Term 5 61-75 Credit Hours Necessary course signified by
MHL 341: Music History I (HU)
Hours
MTC 323: Composition
Grade

Complete MUP 231.
Term hours subtotal: 14
\begin{tabular}{|c|c|c|}
\hline Term 675-92 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline M MTC 323: Composition & 3 & C \\
\hline MTC 433: Orchestration & 3 & C \\
\hline MHL 342: Music History II (HU) & 3 & C \\
\hline MUP 121: Studio Instruction & 1 & C \\
\hline 4** MUP Music Ensemble & 1 & C \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective & 3 & C \\
\hline
\end{tabular}
- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in spring semester only: MTC 223, MTC 321 (even numbered spring semesters only), MUP 232.
- Courses offered in fall semester only: MTC 222, MUP 231.
- Participate in at least two large ensemble performances.
- Develop a network of student performers who can read and perform your works.


Hide Course List(s)/Track Group(s)
MUP Ensembles Course List
MUP 442: Instrumental Ensembles
MUP 443: Choral Ensembles or MUP 450:
Choral Union or MUP 455: Men's Chorus or
MUP 457: Women's Chorus
MUP 476: New Music Ensemble
MUP 479: Baroque Ensemble, Bass, Brass
Chamber Ensembles, Clarinet Choir, Early
Music Chamber Choir, Flute Choir, Guitar
Ensemble, Piano Ensemble,
Piano/String/Woodwind/Brass, Saxophone
Choir, Small Saxophone Ensembles, Strings,
Trombone Ensemble, Tuba Ensemble,
Woodwinds
MUP 486: Concert Jazz Band, Jazz Repertory
Band, Jazz Trombone Ensemble, Latin, Latin
Jazz Ensemble, New Music Jazz Ensemble
MUP 489: Ethnomusicology Ensembles

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Theory and Composition (Theory), BMUS
School/College: Herberger Institute for Design and the Arts
Location: Tempe campus
FAMUSTTBM
\begin{tabular}{|l|l|l|l|}
\hline Term 10-14 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
4. Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.

Milestone: School of Music students must successfully complete the
1 music theory diagnostic exam before enrolling in School of Music courses.

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. MUP 101: ASU School of Music Experience - First Year Seminar required of all freshman students
- Completion of Piano Diagnostic Exam determines placement into Class Piano courses.
- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.
- Complete resume in MUP 101.

\begin{tabular}{|c|c|c|}
\hline (1) MTC 222: Music Theory: 19th Century & 3 & C \\
\hline (1) MUP 111: Studio Instruction & 2 & C \\
\hline ! \(4 * *\) MUP Music Ensemble & 1 & C \\
\hline
\end{tabular}
- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
\begin{tabular}{|c|c|c|}
\hline MUP 231: Class Piano & 1 & C \\
\hline MHL 201: Media Literacy for Musicians (CS) OR & 3 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline Complete MUP 131. & & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline Complete First-Year Composition requirement. & & \\
\hline Term hours subtotal: & 17 & \\
\hline
\end{tabular}
- Courses offered in fall semester only: MTC 222, MUP 231.
- Participate in at least two large ensemble performances.
- Select a faculty mentor to guide your degree work.
\begin{tabular}{|c|c|c|}
\hline Term 4-63 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade \\
\hline 4. MTC 223: Music Theory: 20th Century & 3 & C \\
\hline (1) MUP 111: Studio Instruction & 2 & C \\
\hline (1) \(4^{* *}\) MUP Music Ensemble & 1 & C \\
\hline MTC 321: Tonal Counterpoint & 2 & C \\
\hline MUP 232: Class Piano & 1 & C \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Elective & 3 & C \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline 4. Complete MUP 132. & & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 563-79 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W MHL 341: Music History I (HU) & 3 & C \\
\hline MTC 320: Modal Counterpoint & 2 & C \\
\hline MTC 327: Intermediate form and Analysis & 3 & C \\
\hline MTC 425: Studies in 20th-Century Theory & 3 & C \\
\hline MUP 121: Studio Instruction & 1 & C \\
\hline MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting & 1 & C \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline MTC Upper Division Elective & 2-3 & C \\
\hline Upper Division \(4^{* *}\) MUP Music Ensemble & 1 & C \\
\hline
\end{tabular}

Complete MUP 231.
Term hours subtotal: \(16-17\)
\begin{tabular}{|c|c|c|}
\hline Term 679-94 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline W MHL 342: Music History II (HU) & 3 & C \\
\hline MTC 428: Advanced form and Analysis & 3 & C \\
\hline MUP 121: Studio Instruction & 1 & C \\
\hline MTC Upper Division Elective & 3 & C \\
\hline Upper Division 4** MUP Music Ensemble & 1 & C \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective & 1 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline
\end{tabular}

Complete MUP 232.

Complete MUP 209 OR MUP 210.
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline erm 794-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline MTC 323: Composition & 3 & C \\
\hline MTC 422: Musical Acoustics & 3 & C \\
\hline MUP 121: Studio Instruction & 1 & C \\
\hline MHL 439: Topics in 19th-Century Music (L \& H) OR MHL 440: Topics in 20th-Century Music (L or HU) OR MHL 438: Topics in 18th-Century Music (L \& H) OR Upper Division MHL course (L) & 3 & C \\
\hline MTC Upper Division Elective & 2-3 & C \\
\hline Upper Division 4** MUP Music Ensemble & 1 & C \\
\hline
\end{tabular}
- MHL 438 or MHL 440 (fall only) or MHL 439 (spring only) recommended to complete the upper division music history elective and upper division literacy and critical inquiry general studies requirement. Otherwise, students must take an upper division MHL elective in term 7 and an upper division literacy and critical inquiry course in term 8.
- Course offered in fall semester only: MTC 422.
\begin{tabular}{|c|c|c|c|}
\hline Term 8107-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I MTC 496: Theory Project & 3 & C & \multirow[b]{4}{*}{- MHL 438 or MHL 440 (fall only) or MHL 439 (spring only) recommended to complete the upper division music} \\
\hline MUP 121: Studio Instruction & 1 & C & \\
\hline MTC Upper Division Elective & 3 & C & \\
\hline Upper Division 4** MUP Music Ensemble & 1 & C & \\
\hline MHL OR MTC OR MUP OR MUE OR MDC Upper Division Elective & 2-3 & C & literacy and critical inquiry general studies requirement. Otherwise, \\
\hline Elective OR MDC 484: Internship OR MHL 484: Internship OR MTC 484: Internship OR MUE 484: Internship OR MUP 484: Internship & 3 & & students must take an upper division MHL elective in term 7 and an upper division literacy and critical inquiry \\
\hline Term hours subtotal: & 13-14 & & \begin{tabular}{l}
course in term 8. \\
- Complete capstone project.
\end{tabular} \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
MUP Ensembles Course List

MUP 442: Instrumental Ensembles

MUP 443: Choral Ensembles or MUP 450:
Choral Union or MUP 455: Men's Chorus or MUP 457: Women's Chorus

MUP 476: New Music Ensemble
MUP 479: Baroque Ensemble, Bass, Brass Chamber Ensembles, Chamber Choir, Clarinet Choir, Early Music Chamber Choir , Flute Choir, Guitar Ensemble, Piano

Ensemble, Piano/String/Woodwind/Brass ,

Saxophone Choir, Small Saxophone
Ensembles, Strings, Trombone Ensemble, Tuba Ensemble, Woodwinds

MUP 486: Concert Jazz Band, Jazz Repertory
Band, Jazz Trombone Ensemble, Latin, Latin
Jazz Ensemble, New Music Jazz Ensemble

MUP 489: Ethnomusicology Ensembles

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Aeronautical Management Technology (Air Traffic Management), BS
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
ESAMTATBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) AMT 182: Private Pilot Ground School & 3 & C & \multirow[b]{3}{*}{- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students.} \\
\hline (4) AMT 220: Aviation Meteorology & 3 & C & \\
\hline (4) ASU 101-TPS: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR & 3 & C & score determines placement into first-year composition courses \\
\hline ENG 107 or ENG 108: First-Year Composition & & & - Mathematics Placement Assessment score \\
\hline MAT 170: Precalculus (MA) & 3 & C & determines placement in mathematics course \\
\hline Term hours subtotal: & 13 & & \begin{tabular}{l}
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 13-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) AMT 201: Air Traffic Control & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit. \\
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline PHY 111: General Physics (SQ) & 3 & C & \\
\hline PHY 113: General Physics Laboratory (SQ) & 1 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline (4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3-43 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) AMT 214: Commercial Pilot Ground School & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Please note that both PHY 112 and PHY 114 must be taken to secure SQ General Studies credit. \\
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\end{tabular}} \\
\hline (1) ATC 230: Fundamentals of Air Traffic Management & 3 & C & \\
\hline AMT 280: Aerospace Structures, Materials and Systems & 4 & C & \\
\hline PHY 112: General Physics (SQ) & 3 & & \\
\hline PHY 114: General Physics Laboratory (SQ) & 1 & & \\
\hline (1) Complete Mathematics (MA) requirement. & & & \\
\hline (4) Complete PHY 111 AND PHY 113 course(s). & & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{14} & \\
\hline Term 443-59 Credit Hours Critical course signified by \({ }^{4}\) & Hours & s \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline AMT 287: Aircraft Powerplants & 4 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 559-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AMT 308: Air Transportation (G) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline AMT 360: Aircraft Dispatch Ground School & 3 & C & \\
\hline AMT 350: Aircraft Design and Logistics Management & 4 & C & \\
\hline ATC 331: Tower Operations & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 675-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AMT 396: Aviation Professional & 1 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Research and prepare for graduate school. \\
- Apply for a Fulton Schools 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline 3 AMT 460: Aircraft Dispatch Capstone & 3 & C & \\
\hline AMT 408: National Aviation Policy & 3 & C & \\
\hline AMT 442: Aviation Law and Regulations & 3 & C & \\
\hline ATC 332: TRACON Operations & 3 & C & \\
\hline ATC 431: Tower Operations and Procedures & 3 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 791-106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ATC 333: En Route Operations & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or virtual practice interview.
\end{tabular}} \\
\hline AMT 410: Aviation Safety and Human Factors & 3 & C & \\
\hline ATC 432: TRACON Operations and Procedures & 3 & C & \\
\hline ATC 484: Internship & 3 & C & \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ATC 433: En Route Operations and Procedures & 3 & C & \\
\hline ATC 491: Air Traffic Management Capstone & 3 & C & \\
\hline AMT 444: Airport Management and Planning & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Aeronautical Management Technology (Air Transportation Management), BS
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSAMTMBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) AMT 182: Private Pilot Ground School & 3 & C & \multirow[b]{3}{*}{- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students.} \\
\hline (1) AMT 220: Aviation Meteorology & 3 & C & \\
\hline (4) ASU 101-TPS: The ASU Experience & 1 & & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \begin{tabular}{l}
TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in
\end{tabular} \\
\hline MAT 170: Precalculus (MA) & 3 & C & mathematics course \\
\hline Term hours subtotal: & 13 & & \begin{tabular}{l}
Guide. \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline AMT 201: Air Traffic Control & 3 & C \\
\hline AMT 280: Aerospace Structures, Materials and Systems & 4 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & \\
\hline PHY 112: General Physics (SQ) & 3 & \\
\hline PHY 114: General Physics Laboratory (SQ) & 1 & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 443-58 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) & 3 & & \multirow[t]{5}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline AMT 287: Aircraft Powerplants & 4 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 5 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 558-74 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline If AMT 308: Air Transportation (G) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline TMC 310: Promotion of the Enterprise & 3 & C & \\
\hline TMC 330: Leading the Enterprise & 3 & C & \\
\hline AMT 350: Aircraft Design and Logistics Management & 4 & C & \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 674-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \(\hat{\$ \text { AMT 396: Aviation Professional }}\) & 1 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Research and prepare for graduate school. \\
- Apply for a Fulton Schools 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline AMT 442: Aviation Law and Regulations & 3 & C & \\
\hline TMC 410: Enterprise Operations & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § AMT 408: National Aviation Policy & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or virtual practice interview.
\end{tabular}} \\
\hline AMT 410: Aviation Safety and Human Factors & 3 & C & \\
\hline AMT 444: Airport Management and Planning & 3 & C & \\
\hline \begin{tabular}{l}
OMT 343: Occupational Safety and Ergonomics OR OMT 440: \\
International Business (G) OR OMT 452: Industrial Human Resource Management OR OMT 480: Organizational Effectiveness
\end{tabular} & 3 &  & \\
\hline TMC 430: Enterprise Strategy and Innovation & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% AMT 489: Airline Administration & 3 & C & \\
\hline AMT 491: Aviation Management Capstone & 3 & C & \\
\hline AMT 456: Organized Labor in Aviation & 3 & C & \\
\hline AMT 484: Internship & 3 & C & \\
\hline TMC 470: Enterprise Planning and Implementation & 3 & C & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & 2538 \\
\hline
\end{tabular}

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Aeronautical Management Technology (Professional Flight), BS
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSAMTFBS

CompleteProfessional Flight Secondary Application.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline 4 AMT 105: Flight Operations and Safety I & 1 & C & - ASU 101 is required of all freshman \\
\hline - AMT 182: Private Pilot Ground School & 3 & C & students; FSE 394 is required for all new \\
\hline (1. AMT 220: Aviation Meteorology & 3 & C & \begin{tabular}{l}
transfer students. \\
- An SAT, ACT, Accuplacer, IELTS, or
\end{tabular} \\
\hline 4. ASU 101-TPS: The ASU Experience & 1 & & TOEFL score determines placement into \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course
\end{tabular} \\
\hline MAT 170: Precalculus (MA) & 3 & C & - Join a Fulton community. \\
\hline Term hours subtotal: & 14 & & - Explore engineering and technical professions. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-28 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) AMT 110: Flight Operations and Safety II & 1 & C & \multirow{8}{*}{\begin{tabular}{l}
- Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit. \\
- Professional Flight students are encouraged to continue to progress in flight courses over the summer session. \\
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline PHY 111: General Physics (SQ) & 3 & C & \\
\hline PHY 113: General Physics Laboratory (SQ) & 1 & C & \\
\hline HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 3-43-43 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline AMT 150: Flight Operations and Safety III & 1 & C \\
\hline AMT 201: Air Traffic Control & 3 & C \\
\hline AMT 222: Instrument Pilot Ground School & 3 & C \\
\hline AMT 280: Aerospace Structures, Materials and Systems & 4 & C \\
\hline PHY 112: General Physics (SQ) & 3 & \\
\hline PHY 114: General Physics Laboratory (SQ) & 1 & \\
\hline
\end{tabular}
- Complete Mathematics (MA) requirement.

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 4 43-55 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4. AMT 205: Flight Operations and Safety IV & 1 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline AMT 214: Commercial Pilot Ground School & 3 & C \\
\hline AMT 286: Multiengine Pilot Ground School & 1 & C \\
\hline AMT 287: Aircraft Powerplants & 4 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline & 12 & \\
\hline
\end{tabular}


HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics 3 (CS)

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3
Term hours subtotal: 17
\begin{tabular}{|c|c|c|}
\hline Term 672-86 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline AMT 250: Flight Operations and Safety VI & 1 & C \\
\hline AMT 382: Air Navigation & 3 & C \\
\hline AMT 396: Aviation Professional & 1 & C \\
\hline AMT 292: Flight Instructor Instrument Ground School & 3 & C \\
\hline AMT 442: Aviation Law and Regulations & 3 & C \\
\hline AMT 444: Airport Management and Planning & 3 & C \\
\hline
\end{tabular}Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s)

Term hours subtotal:
14
Term 7 86-102 Credit Hours Necessary course signified by
AMT 305: Flight Operations and Safety VII
AMT 360: Aircraft Dispatch Ground School
Minimum
Grade
\begin{tabular}{|c|c|c|}
\hline Term 8102-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline \% AMT 489: Airline Administration & 3 & C \\
\hline AMT 490: Regional Jet Operations Capstone & 3 & C \\
\hline AMT 310: Flight Operations and Safety VIII OR Elective & 1 & C \\
\hline AMT 410: Aviation Safety and Human Factors & 3 & C \\
\hline
\end{tabular}
- Professional Flight students are encouraged to continue to progress in flight courses over the summer session.
- Pursue an undergraduate research experience
- Apply for internships.
- Attend career fairs and events.
\begin{tabular}{|c|c|c|}
\hline AMT 484: Internship & 2 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline \begin{tabular}{l}
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Aeronautical Management Technology (Unmanned Aerial Systems), BS
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSAMTUASBS
\begin{tabular}{|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (4) AMT 182: Private Pilot Ground School & 3 & C \\
\hline (1) AMT 220: Aviation Meteorology & 3 & C \\
\hline (4) ASU 101-TPS: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 170: Precalculus (MA) & 3 & C \\
\hline Term hours & 13 & \\
\hline
\end{tabular}
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.
Term 2 13-29 Credit Hours Critical course signified by 9 Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
16
\begin{tabular}{l} 
Term 3 29-45 Credit Hours Critical course signified by 4) \\
\begin{tabular}{l} 
Hours \\
AMT 201: Air Traffic Control \\
Grade
\end{tabular} \\
\hdashline AMT 280: Aerospace Structures, Materials and Systems
\end{tabular}
- Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.
- Create a Handshake profile.
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
- Please note that both PHY 111 and PHY 113 must be taken to secure SQ General Studies credit.
- Prep for success using the Sophomore Guide.
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
Term 4 45-59 Credit Hours Critical course signified by \(\boldsymbol{y}^{4} \quad\) Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes
\begin{tabular}{|c|c|c|}
\hline AMT 270: Unmanned Aircraft & 3 & C \\
\hline AMT 287: Aircraft Powerplants & 4 & C \\
\hline PHY 112: General Physics (SQ) & 3 & \\
\hline PHY 114: General Physics Laboratory (SQ) & 1 & \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline & 14 & \\
\hline
\end{tabular}
- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.
Term 5 59-75 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(|\)

Term hours subtotal: 16
Term 6 75 - 91 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|}
\hline AMT 470: Unmanned Aircraft Payloads, Sensors, and Control Stations & 3 & C \\
\hline AMT 408: National Aviation Policy & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Upper Division Elective & 4 & \\
\hline Term hours subtotal: & 13 & \\
\hline
\end{tabular}
- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in-person or virtual practice interview.
\begin{tabular}{|c|c|c|c|}
\hline Term 8104-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% AMT 495: Unmanned Aircraft Systems Operations & 3 & C & \\
\hline AMT 410: Aviation Safety and Human Factors & 3 & C & \\
\hline AMT 484: Internship & 3 & C & \\
\hline AMT 489: Airline Administration & 3 & C & \\
\hline Elective & 4 & & \\
\hline
\end{tabular}

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Aerospace Engineering (Aeronautics), BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESAEROBSE
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline 1. MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-AEE: The ASU Experience & 1 & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline FSE 100: Introduction to Engineering & 2 & C \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline \multicolumn{3}{|l|}{1. Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal & 16 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU 101-AEE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.
- If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.
- Prep for success using the Freshman Guide.
- Join a Fulton community
- Explore engineering and technical professions.


\begin{tabular}{|c|c|c|c|}
\hline Term 562-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Both AEE 360 and AEE 362 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.
- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.
\begin{tabular}{|c|c|c|}
\hline Term 676-93 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline AEE 344: Fundamentals of Aircraft Design & 3 & C \\
\hline AEE 313: Aircraft Dynamics and Control & 3 & C \\
\hline AEE 325: Aerospace Structures and Materials & 4 & C \\
\hline AEE 362: High-Speed Aerodynamics (L) & 4 & C \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal
17
\begin{tabular}{|c|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline AEE 463: Aircraft Propulsion & 3 & C \\
\hline AEE 415: Vibration Analysis & 3 & C \\
\hline MAE 400: Engineering Profession (L) & 3 & C \\
\hline Upper Division Technical Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline & 15 & \\
\hline
\end{tabular}
- For additional information about Upper Division Technical Elective course options, please visit: Upper Division Technical Electives
- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in-person or virtual practice interview.
\begin{tabular}{|c|c|c|}
\hline AEE 468: Aircraft Systems Design & 3 & C \\
\hline AEE 462: Space Vehicle Dynamics and Control & 3 & C \\
\hline Upper Division Technical Elective & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline
\end{tabular}

Term hours subtotal: 12
- For additional information about Upper Division Technical Electives, please visit: Upper Division Technical Electives
- For additional information about Upper Division Technical Elective options, please visit: Upper Division Technical Electives

Hide Course List(s)/Track Group(s)
Upper Division Technical Electives
AEE 426: Design of Aerospace Structures
AEE 465: Rocket Propulsion
AEE 466: Rotary Wing Aerodynamics and Performance

AEE 471: Computational Fluid Dynamics

MAE 341: Mechanism Analysis and Design

MAE 404: Finite Elements in Engineering
MAE 417: System Dynamics and Control II
MAE 436: Combustion
MAE 455: Polymers and Composites
MEE 323: Computer-Aided Engineering II
MEE 340: Heat Transfer
MEE 351: Manufacturing Processes
MEE 434: Internal Combustion Engines
MEE 440: Renewable Energy: Mechanical Systems

MEE 441: Wind Energy
MEE 472: Intermediate Fluid Mechanics
MEE 482: Intermediate Thermodynamics
Students may choose no more than one course from the following:

AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)

AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)

CEE 440: Hydrology
CHM 325: Analytical Chemistry

EEE 304: Signals and Systems II

EEE 333: Hardware Design Languages and Programmable Logic

EEE 334: Circuits II

EEE 350: Random Signal Analysis

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

EGR 433: Transforms and Systems Modeling

FSE 301: Entrepreneurship and Value Creation
IEE 300: Economic Analysis for Engineers

MAT 300: Mathematical Structures (L)
MAT 362: Advanced Mathematics for Engineers and Scientists

MAT 371: Advanced Calculus I

MAT 420: Scientific Computing
MAT 421: Applied Computational Methods (CS)

MAT 423: Numerical Analysis I (CS)
MAT 425: Numerical Analysis II (CS)
MAT 451: Mathematical Modeling (CS)
MSE 330: Thermodynamics of Materials
PHY 310: Classical Particles, Fields, and Matter I

PHY 361: Introductory Modern Physics
SES 311: Essentials of Astrobiology:
Exploration for Life in the Universe

SES 350: Engineering Systems and Experimental Problem Solving

SES 405: Exploration Systems Engineering
SES 410: Senior Exploration Project I

By approval only:
MAE 484: Internship
MAE 492: Honors Directed Study
MAE 493: Honors Thesis (L)
MAE 498: Pro-Seminar or MAE 499:
Individualized Instruction
*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form.

To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{Hrs Resident Credit for}

Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Aerospace Engineering (Astronautics), BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESAEASBSE
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline 1 ( MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-AEE: The ASU Experience & 1 & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline FSE 100: Introduction to Engineering OR SES 100: Introduction to Exploration (CS) & 2-3 & C \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 16-17 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU 101-AEE and FSE 100 required for freshmen and should be completed first semester.
- If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.

\begin{tabular}{|c|c|c|}
\hline 9. MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline 4 PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C \\
\hline EEE 202: Circuits I & 4 & C \\
\hline \multicolumn{3}{|l|}{(1) Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16 & \\
\hline Term 48-62 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline 1 - MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics & 3 & C \\
\hline (1) MAE 213: Mechanics of Materials & 3 & C \\
\hline (1) MAE 242: Introduction to Fluid Mechanics & 3 & C \\
\hline MAE 214: Computer-Aided Engineering I & 1 & C \\
\hline MAE 384: Advanced Mathematical Methods for Engineers (CS) & 3 & C \\
\hline PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline Term hours subtot & 14 & \\
\hline
\end{tabular}
technical resume, job shadow, do informational interviews and mentor with alumni.
- Create a technical resume.

Term 5 62-79 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
Term 6 79-93 Credit Hours Necessary course signified by
AEE 462: Space Vehicle Dynamics and Control
Hours
Minimum
Grade

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
14
\begin{tabular}{|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W AEE 445: Fundamentals of Spacecraft Design & 3 & C \\
\hline AEE 465: Rocket Propulsion & 3 & C \\
\hline MAE 400: Engineering Profession (L) & 3 & C \\
\hline Upper Division EEE Technical Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline
\end{tabular}
Term 8108-120 Credit Hours Necessary course signified by \(\quad\) Hours \(\left.\begin{array}{c|c|c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

AEE 480: Space Systems Design 3
Upper Division Technical Elective
3

\section*{Notes}
- Both AEE 360 and AEE 362 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.
- Plan for success using the Junior Guide
- Network at student organization competitions or professional societies.

Both AEE 362 and AEE 360 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.
- Research and prepare for graduate school.
- Apply for an engineering 4+1 program.
- Develop a professional profile online.
- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in-person or virtual practice interview.

- For more information about Technical Electives, please visit: Upper Division Technical Electives
- For more information about Upper Division Technical Elective options, please visit: Upper Division Technical Electives

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline Upper Division EEE Technical Elective & Upper Division Technical Elective \\
\hline EEE 455: Communication Systems & AEE 313: Aircraft Dynamics and Control \\
\hline \multirow[t]{23}{*}{EEE 459: Communication Networks} & AEE 344: Fundamentals of Aircraft Design \\
\hline & AEE 415: Vibration Analysis \\
\hline & AEE 426: Design of Aerospace Structures \\
\hline & AEE 463: Aircraft Propulsion \\
\hline & AEE 466: Rotary Wing Aerodynamics and Performance \\
\hline & AEE 471: Computational Fluid Dynamics \\
\hline & AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) \\
\hline & AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ) \\
\hline & CEE 440: Hydrology \\
\hline & CHM 325: Analytical Chemistry \\
\hline & EEE 304: Signals and Systems II \\
\hline & EEE 333: Hardware Design Languages and Programmable Logic \\
\hline & EEE 334: Circuits II \\
\hline & EEE 480: Feedback Systems \\
\hline & EEE 481: Computer-Controlled Systems \\
\hline & EGR 433: Transforms and Systems Modeling \\
\hline & FSE 301: Entrepreneurship and Value Creation \\
\hline & GLG 404: Fundamentals of Planetary Geology \\
\hline & IEE 300: Economic Analysis for Engineers \\
\hline & MAE 341: Mechanism Analysis and Design \\
\hline & MAE 404: Finite Elements in Engineering \\
\hline & MAE 417: System Dynamics and Control II \\
\hline & MAE 436: Combustion \\
\hline
\end{tabular}

MAE 455: Polymers and Composites
MAT 300: Mathematical Structures (L)
MAT 362: Advanced Mathematics for Engineers and Scientists

MAT 371: Advanced Calculus I
MAT 420: Scientific Computing
MAT 421: Applied Computational Methods (CS)

MAT 423: Numerical Analysis I (CS)
MAT 425: Numerical Analysis II (CS)
MAT 451: Mathematical Modeling (CS)
MEE 323: Computer-Aided Engineering II
MEE 340: Heat Transfer

MEE 351: Manufacturing Processes
MEE 434: Internal Combustion Engines

MEE 440: Renewable Energy: Mechanical Systems

MEE 441: Wind Energy
MEE 472: Intermediate Fluid Mechanics

MEE 482: Intermediate Thermodynamics

MSE 330: Thermodynamics of Materials

PHY 310: Classical Particles, Fields, and Matter I

PHY 361: Introductory Modern Physics

SES 311: Essentials of Astrobiology:
Exploration for Life in the Universe
SES 350: Engineering Systems and Experimental Problem Solving

SES 405: Exploration Systems Engineering SES 410: Senior Exploration Project I

By approval only:

MAE 484: Internship

MAE 492: Honors Directed Study

MAE 493: Honors Thesis (L)

MAE 498: Pro-Seminar or MAE 499: Individualized Instruction
*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form.

To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{Hrs Resident Credit for}

Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Aerospace Engineering (Autonomous Vehicle Systems), BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESAEAVSBSE
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-AEE: The ASU Experience & 1 & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline FSE 100: Introduction to Engineering & 2 & C \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtota & 16 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU 101-AEE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.
- If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.
- Prep for success using the Freshman Guide.
- Join a Fulton community
- Explore engineering and technical professions.

(4) MAT 275: Modern Differential Equations (MA)
(4) PHY 131: University Physics II: Electricity and Magnetism (SQ)
EEE 202: Circuits I
(4) Minimum 2.00 GPA ASU Cumulative.

\section*{Complete Mathematics (MA) requirement.}

Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 448-62 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline (-) MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics & 3 & C \\
\hline (4) MAE 213: Mechanics of Materials & 3 & C \\
\hline (4) MAE 242: Introduction to Fluid Mechanics & 3 & C \\
\hline MAE 214: Computer-Aided Engineering I & 1 & C \\
\hline MAE 384: Advanced Mathematical Methods for Engineers (CS) & 3 & C \\
\hline PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline Term hours subt & 14 & \\
\hline
\end{tabular}
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
- Create a technical resume. experience
- Apply for internships.
- Attend career fairs and events. to secure Literacy and Critical Inquiry (L) General Studies credit.
- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.
\begin{tabular}{|c|c|c|}
\hline Term 676-93 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline A AEE 313: Aircraft Dynamics and Control & 3 & C \\
\hline AEE 325: Aerospace Structures and Materials & 4 & C \\
\hline AEE 362: High-Speed Aerodynamics (L) & 4 & C \\
\hline Track Focus Course & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
17
\begin{tabular}{|c|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AEE 478: Fundamentals of Autonomous Aircraft Systems & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or virtual practice interview.
\end{tabular}} \\
\hline AEE 463: Aircraft Propulsion & 3 & C & \\
\hline MAE 400: Engineering Profession (L) & 3 & C & \\
\hline Upper Division Track Focus Course & 3 & C & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% AEE 479: Design of Autonomous Aircraft Systems & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline AEE 462: Space Vehicle Dynamics and Control & 3 & C \\
\hline \multicolumn{3}{|l|}{POS 325: Public Policy Development (SB) OR POS 300: Contemporary} \\
\hline Global Controversies (SB \& G) OR POS 370: Law and Society (SB) & 3 & \\
\hline OR PHI 306: Applied Ethics (HU) & & \\
\hline Upper Division Track Focus Course & 3 & C \\
\hline Term hours subtotal: & 12 & \\
\hline
\end{tabular}
- Track Focus courses are listed below. Students must select (3) courses from the same track.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline Communications Track & Guidance, Navigation, and Controls Track \\
\hline EEE 203: Signals and Systems I & EEE 480: Feedback Systems \\
\hline EEE 304: Signals and Systems II & EEE 481: Computer-Controlled Systems \\
\hline EEE 350: Random Signal Analysis & MAE 417: System Dynamics and Control II \\
\hline EEE 455: Communication Systems & MAE 494: Guidance and Navigation of \\
\hline \multicolumn{2}{|l|}{EEE 459: Communication Networks Aerospace Vehicles} \\
\hline *Students who do not meet the enrollment requirements for these courses may be allowed & MAE 506: Advanced System Modeling, Dynamics, and Control \\
\hline to enroll with instructor consent. Courses not listed here require a department petition form. & *Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. \\
\hline
\end{tabular}

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Aviation), BAS}

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSAMTABAS
\begin{tabular}{l|c|c|c|c|}
\hline \begin{tabular}{l} 
Applicable Community College Prerequisites \(0-60\) Credit \\
Hours
\end{tabular} & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
AAS Transfer Degree Block
- Students may meet lower division general studies requirements with the AAS degree
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\begin{tabular}{|c|c|c|c|}
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% AMT 308: Air Transportation (G) & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- If MA requirement already met with AAS degree, student should take an upper-division elective. \\
- If SQ requirement already met with AAS degree, student should take an upper-division elective.
\end{tabular}} \\
\hline ASC 315: Numeracy in Technology (MA) OR Upper Division Elective & 3 & & \\
\hline ASC 325: Physical Sciences in Technology (SQ) OR Upper Division Elective & 4 & & \\
\hline TMC 330: Leading the Enterprise & 3 & C & \begin{tabular}{l}
upper-division elective. \\
- Plan for success using the Junior Guide.
\end{tabular} \\
\hline Upper Division Elective & 3 & & - Network at student organization \\
\hline Term hours subtotal: & 16 & & competitions or professional societies. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 676-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AMT 396: Aviation Professional & 1 & C & \multirow{7}{*}{\begin{tabular}{l}
- Research and prepare for graduate school \\
- Apply for a Fulton Schools 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline ) AMT 442: Aviation Law and Regulations & 3 & C & \\
\hline AMT Upper Division Elective & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Upper Division Elective & 1 & & \\
\hline Historical Awareness (H) & 3 & & \\
\hline \begin{tabular}{l}
Complete Global Awareness (G) AND Cultural Diversity in the U.S. \\
(C) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline
\end{tabular}
Term 790 - 105 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes
\begin{tabular}{|c|c|c|c|}
\hline Any needed lower division General Studies requirement OR Elective & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § AMT 489: Airline Administration & 3 & C & \\
\hline AMT 491: Aviation Management Capstone & 3 & C & \\
\hline TMC 470: Enterprise Planning and Implementation & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}

\footnotetext{
Hide Course List(s)/Track Group(s)
}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Graphic Information Technology), BAS}

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSGITBAS
\begin{tabular}{l|c|c|c|}
\hline \begin{tabular}{l} 
Applicable Community College Prerequisites \(0-60\) Credit \\
Hours
\end{tabular} & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

AAS Transfer Degree Block
Term hours subtotal:

60
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% GIT 310: Web Foundations & 3 & & \multirow{6}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline GIT 315: Digital Video Techniques & 3 & & \\
\hline GIT 384: Commercial Photography & 3 & & \\
\hline Focus Area & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline GIT 303: Digital Publishing & 3 & & \multirow{7}{*}{\begin{tabular}{l}
- Research and prepare for graduate school \\
- Apply for a Fulton Schools 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline GIT 314: Multimedia Design, Planning and Storyboards & 3 & & \\
\hline Upper Division Focus Area & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline GIT 432: Graphic Industry Business Practices & 3 & & \multirow{5}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or practice interview.
\end{tabular}} \\
\hline GIT 450: Digital Workflow in Graphic Industries & 3 & & \\
\hline Upper Division Focus Area & 3 & & \\
\hline Complete 2 courses: Upper Division Elective & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline GIT 480: Senior Project & 3 \\
\hline Upper Division Focus Area & 3 \\
\hline Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended) & 3 \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 \\
\hline Term hours subtotal: & 15 \\
\hline
\end{tabular}
- Students in the BAS GIT program select a primary focus area consisting of 12 credit hours of focused courses (minimum of 9 must be upper division). Sample focus areas are listed below. Additional focus areas may be available, please check with your academic advisor.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Commercial Photography and Video & Digital Design, Print, and Publishing & 2D/3D Animation \\
\hline GIT 295: Introduction to Technical Imaging & GIT 333: Printing Technology & GIT 211: Introduction to Video Game Art \\
\hline GIT 334: Image Editing and Manipulation & GIT 334: Image Capture and Manipulation & \multirow[t]{2}{*}{GIT 312: 3-D Computer Graphics Modeling and Representation (CS)} \\
\hline GIT 415: Advanced Digital Video Techniques & GIT 437: Color Reproduction Systems & \\
\hline GIT 490: Advanced Commercial Photography & GIT 494: Special Topics & GIT 334: Image Editing and Manipulation \\
\hline GIT 494: Special Topics & \multirow[b]{2}{*}{TWC 411: Principles of Visual Communication (L)} & GIT 411: Computer Animation \\
\hline & & GIT 494: Special Topics \\
\hline Web Design and Development & & \\
\hline GIT 340: Information Design and Usability & & \\
\hline GIT 402: New Media Internet Technologies & & \\
\hline GIT 414: Web Site Design and Internet/Web & & \\
\hline Technologies & & \\
\hline GIT 417: Advanced Web Markup and & & \\
\hline Scripting & & \\
\hline GIT 418: Multimedia Authoring, Scripting and & & \\
\hline Production & & \\
\hline GIT 435: Website and E-Commerce Strategies & & \\
\hline GIT 494: Special Topics & & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Internet and Web Development), BAS}

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSIWDBAS
\begin{tabular}{|c|c|c|c|}
\hline Applicable Community College Prerequisites 0 - 60 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

AAS Transfer Degree Block
Term hours subtotal:

60
Term 5 60 \(\mathbf{7 5}\) Credit Hours Necessary course signified by
Term 5 60 \(\mathbf{7 5}\) Credit Hours Necessary course signified by

Term hours subtotal: 15
- Students may meet lower division general studies requirements with the AAS degree
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\begin{tabular}{|c|c|}
\hline GIT 480: Senior Project & 3 \\
\hline GIT 435: Website and E-Commerce Strategies & 3 \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 \\
\hline Any needed lower division General Studies requirement OR Elective & 3 \\
\hline Term hours subtotal: & 15 \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Internet and Web Development), BAS}

School/College: Ira A. Fulton Schools of Engineering
Location: Online
TSIWDBAS
\begin{tabular}{|c|c|c|c|}
\hline Applicable Community College Prerequisites 0-60 Credit Hours & Hours & Minimum Grade & Notes \\
\hline AAS Transfer Degree Block & 60 & & \\
\hline Term hours subtotal: & 60 & & \begin{tabular}{l}
Students may meet lower division general studies requirements with the AAS degree. \\
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree. \\
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 60-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline GIT 310: Web Foundations & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 5-B 69-75 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
GIT 334: Image Editing and Manipulation

GIT 340: Information Design and Usability 3
Term hours subtotal: 6


GIT 414: Web Site Design and Internet/Web Technologies 3
Any needed lower division General Studies requirement OR Elective
3
Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 81-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline GIT 417: Advanced Web Markup and Scripting & 3 & & \multirow[t]{4}{*}{\begin{tabular}{l}
- Research and prepare for graduate school \\
- Apply for a Fulton Schools 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Any needed lower division General Studies requirement OR Elective
\end{tabular} & 6 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-A 90-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

GIT 418: Multimedia Authoring, Scripting and Production
3
GIT 432: Graphic Industry Business Practices 3
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 96-105 Credit Hours & Hours & Minimum Grade & Notes \\
\hline GIT 450: Digital Workflow in Graphic Industries & \multicolumn{2}{|l|}{3} & \multirow[b]{4}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or practice interview.
\end{tabular}} \\
\hline Upper Division Literacy and Critical Inquiry (L) ( TWC 301 OR TWC 401 OR TWC 411 OR TWC 421 recommended) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 8-A 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline GIT 413: Professional Portfolio Design and Presentation & 3 & & \\
\hline GIT 435: Website and E-Commerce Strategies & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 111-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline GIT 480: Senior Project & 3 & & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Operations Management), BAS}

School/College:_Ira.A...Fulton.Schools.of.Engineering
Location:Polytechnic campus
TSIMCOBAS

This program allows students who have earned an AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students pursuing this degree may have more than \(\mathbf{6 0}\) credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students transferring from a regionally accredited Arizona public community college may be able to transfer up to 15 additional credit hours of transferable general studies courses ( 75 credit hours total). Students should work with their academic advisor to ensure their courses will meet degree requirements.
\begin{tabular}{|c|c|c|c|c|}
\hline Applicable Community Col Hours & sites 0-60 Credit & Hours & Minimum Grade & Notes \\
\hline \multirow[t]{2}{*}{AAS Transfer Degree Block} & & 60 & & \\
\hline & Term hours subtotal: & 60 & & \begin{tabular}{l}
studies requirements with the AAS degree. \\
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree. \\
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\end{tabular} \\
\hline
\end{tabular}
Term 5 60-75 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TMC 330: Leading the Enterprise & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Research and prepare for graduate school \\
- Apply for a Fulton Schools 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline TEM 230: Creativity and Business Innovation & 3 & C & \\
\hline OMT 343: Occupational Safety and Ergonomics & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline
\end{tabular}
Term 7 90-105 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes
\begin{tabular}{|c|c|c|c|}
\hline TMC 470: Enterprise Planning and Implementation & 3 & C & \multirow[t]{3}{*}{- Complete an in-person or practice interview.} \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% TEM 431: Innovation Management & 3 & C & \\
\hline TMC 480: Senior Project & 3 & C & \\
\hline OMT 402: Legal Issues for Technologists & 3 & C & \\
\hline OMT 430: Ethical Issues in Technology & 3 & C & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Operations Management), BAS}

School/College: Ira A. Fulton Schools of Engineering
Location: Online
TSIMCOBAS

This program allows students who have earned an AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students pursuing this degree may have more than \(\mathbf{6 0}\) credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students transferring from a regionally accredited Arizona public community college may be able to transfer up to 15 additional credit hours of transferable general studies courses ( 75 credit hours total). Students should work with their academic advisor to ensure their courses will meet degree requirements.
\begin{tabular}{|c|c|c|c|c|}
\hline Applicable Community Col Hours & sites 0-60 Credit & Hours & Minimum Grade & Notes \\
\hline \multirow[t]{2}{*}{AAS Transfer Degree Block} & & \multicolumn{2}{|l|}{60} & \multirow[b]{2}{*}{\begin{tabular}{l}
- Students may meet lower division general studies requirements with the AAS degree. \\
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree. \\
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\end{tabular}} \\
\hline & Term hours subtotal: & 60 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 60-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TM TMC 110: Understanding the Enterprise & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 5-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline STS 401: Statistics in Science and Technology Studies (CS) & 3 & C & - Plan for success using the Junior Guide. \\
\hline \% TEM 330: Systems Innovation & 3 & C & - Network at student organization \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% TMC 330: Leading the Enterprise & 3 & C & \\
\hline TEM 230: Creativity and Business Innovation & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 81-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline OMT 343: Occupational Safety and Ergonomics & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Research and prepare for graduate school \\
- Apply for a Fulton Schools 4+1 program.
\end{tabular}} \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline \(\bigcirc\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness & & & \\
\hline
\end{tabular}

\footnotetext{
(G) AND Historical Awareness (H) course(s).
}
- Develop a professional profile online.

Term hours subtotal: 9
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 90-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § TMC 331: Quality Assurance & 3 & C & \\
\hline TMC 410: Enterprise Operations & 3 & C & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-B 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TMC 430: Enterprise Strategy and Innovation & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or practice interview.
\end{tabular}} \\
\hline TMC 470: Enterprise Planning and Implementation & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TEM 431: Innovation Management & 3 & C & \\
\hline \multicolumn{3}{|l|}{} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 8-B 111-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline OMT 402: Legal Issues for Technologists & 3 & C & \\
\hline OMT 430: Ethical Issues in Technology & 3 & C & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Biomedical Engineering, BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESBMEBSE

\begin{tabular}{|c|c|c|}
\hline (1) MAT 267: Calculus for Engineers III (MA) & 3 & C \\
\hline 4 PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C \\
\hline 4 PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline BME 213: Biomedical and Bioengineering Ethics & 1 & C \\
\hline BME 214: FDA Regulatory Processes and Technical Communications & 1 & C \\
\hline
\end{tabular}
CSE 110: Principles of Programming (CS) ..... C
- Prep for success using the Sophomore Guide.
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\begin{tabular}{|c|c|c|c|}
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline MAE 215: Introduction to Programming in MATLAB & 1 & C & \\
\hline \multicolumn{4}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 47-62 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (7) BME 200: Conservation Principles in Biomedical Engineering & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline (4) MAT 275: Modern Differential Equations (MA) & 3 & C & \\
\hline BME 235: Physiology for Engineers & 4 & C & \\
\hline BME 282: Biomedical Engineering Product Design and Development II & 1 & C & \\
\hline EEE 202: Circuits I & 4 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 562-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Biomedical Devices Track OR Upper Division Biological Devices Track & 3-4 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline BME 318: Biomaterials & 4 & C & \\
\hline BME 331: Transport Phenomena for Biomedical Engineering & 3 & C & \\
\hline Upper Division Related Elective OR Upper Division Biological Devices Track & 6-4 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{16-15} & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline Upper Division Biomedical Devices Track OR Upper Division Biological Devices Track & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- The general studies requirements for HU or SB and the awareness areas do not have to be taken in exact combinations (as outlined on the major map). By the end of term 8, all need to be completed, however the combinations may vary. \\
- Research and prepare for graduate school. \\
- Apply for an engineering 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline BME 300: Bioengineering Product Design & 3 & C & \\
\hline BME 301: Numerical Methods in Biomedical Engineering & 2 & C & \\
\hline BME 316: Biomechanics for Biomedical Engineers & 3 & C & \\
\hline BME 340: Thermodynamics for Biomedical Engineers & 3 & C & \\
\hline BME 382: Biomedical Engineering Product Design and Development III & 1 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 793-107 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline BME 417: Biomedical Engineering Capstone Design I (L) & 4 & C & \multirow[t]{3}{*}{- The general studies requirements for HU or SB and the awareness areas do not have to be taken in exact combinations (as outlined on the major map). By the end of term 8 , all need to be completed, however the combinations may vary.} \\
\hline Upper Division Biomedical Devices Track OR Upper Division Biological Devices Track & 4-3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \multirow[t]{2}{*}{\begin{tabular}{l}
- Additional information regarding approved related electives can be found online here. \\
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions.
\end{tabular}} \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{14-13} & \\
\hline
\end{tabular}
- Complete an in-person or virtual practice interview.
Term 8 107-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

Hide Course List(s)/Track Group(s)

\section*{Biomedical Devices Track}

BME 350: Signals and Systems for Bioengineers

BME 370: Microcomputer Applications in Biomedical Engineering

BME 413: Biomedical Instrumentation (L) AND BME 423: Biomedical Instrumentation Laboratory (L)
Upper Division Related Elective
(Professional)

BME 394: SBHSE Research Projects or BME 394: Honors Research

BME 492: Honors Directed Study BME 493: Honors Thesis (L)

FSE 394: Transfer Success in Engineering

FSE 494: EPICS Gold: EPICS in Action
Biological Devices Track
BME 360: Control in Biological Systems
BME 467: Tissue Engineering and
Regenerative Medicine
BIO 353: Cell Biology AND BME 362:
Methods in Molecular and Cellular Biology
CHM 231: Elementary Organic Chemistry
(SQ) AND CHM 235: Elementary Organic
Chemistry Laboratory (SQ) or CHM 233:
General Organic Chemistry I AND CHM 237:
General Organic Chemistry Laboratory I

Upper Division Related Elective (Math)
MAE 384: Advanced Mathematical Methods for Engineers (CS)

MAT 300: Mathematical Structures (L)

MAT 310: Introduction to Geometry
MAT 342: Linear Algebra
MAT 343: Applied Linear Algebra
MAT 355: Introduction to Computational Molecular Biology (CS)

MAT 394: Forensic DNA Analysis
MAT 451: Mathematical Modeling (CS)
MAT 460: Vector Calculus

PAF 301: Applied Statistics (CS)
STP 326: Intermediate Probability (CS)

Upper Division Related Elective (Imaging)

EEE 307: Signal Processing for Digital Culture

EEE 334: Circuits II

EEE 350: Random Signal Analysis EEE 352: Properties of Electronic Materials EEE 407: Digital Signal Processing EEE 480: Feedback Systems EEE 481: Computer-Controlled Systems PHY 361: Introductory Modern Physics
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Upper Division Related Elective (Biomechanics)

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ASM 341: Human Osteology

BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU)

BME 416: Advanced Biomechanics

FSE 301: Entrepreneurship and Value Creation

IND 464: Collaborative Design Development I (L)

IND 465: Collaborative Design Development II (L)

KIN 334: Functional Anatomy and Kinesiology

KIN 335: Biomechanics

KIN 412: Biomechanics of the Skeletal
System

LES 305: Business Law and Ethics for Managers

MIC 314: HIV/AIDS: Science, Behavior, and Society
MIC 360: Bacterial Physiology
MIC 420: Immunology: Molecular and
Cellular Foundations
NTR 457: Sports Nutrition
PAF 410: Building Leadership Skills (SB)

HON 394: Deductive Logic, Leadership/Management Techniques

HON 494: Genetics and the Law or HON 494: Information Measurement Theory I

IEE 300: Economic Analysis for Engineers IEE 320: Extreme Excel IEE 369: Work Analysis and Design (L) IEE 431: Engineering Administration (L) IND 464: Collaborative Design Development I (L)

IND 465: Collaborative Design Development II (L)

LES 305: Business Law and Ethics for Managers

LES 380: Consumer Perspective of Business Law

MGT 300: Organization and Management Leadership

MGT 302: Principles of International Business (G)

MGT 380: Management and Strategy for Nonmajors

MKT 300: Marketing and Business Performance

MKT 370: Professional Sales and Relationship Management

MKT 390: Essentials of Marketing
MKT 391: Essentials of Selling
PAF 410: Building Leadership Skills (SB)
PHI 306: Applied Ethics (HU)
SCM 300: Global Supply Operations
SOC 334: Technology and Society (L or SB)
STS 304: Science, Technology, and Society (SB)

STS 332: Global Issues in Science and Technology (SB)

TWC 451: Copyright and Intellectual Property in the Electronic Age

MAE 417: System Dynamics and Control II
PSY 325: Physiological Psychology
PSY 470: Psychopharmacology

Upper Division Related Elective (Molecular, Cellular, Materials)

BCH 361: Advanced Principles of Biochemistry

\begin{tabular}{|c|}
\hline MIC 360: Bacterial Physiology \\
\hline MIC 420: Immunology: Molecular and Cellular Foundations \\
\hline MSE 301: Materials and Civilization \\
\hline MSE 330: Thermodynamics of Materials \\
\hline MSE 335: Materials Kinetics and Processing \\
\hline MSE 355: Structure and Defects \\
\hline MSE 356: Structures, Properties, and Defects Lab \\
\hline MSE 415: Mathematical and Computer Methods in Materials (CS) \\
\hline MSE 420: Physical Metallurgy \\
\hline MSE 421: Physical Metallurgy Laboratory \\
\hline MSE 440: Mechanical Behavior of Materials \\
\hline MSE 442: Fatigue, Fracture, and Creep of Materials \\
\hline MSE 450: Introduction to Materials Characterization \\
\hline MSE 451: Introduction to Materials Characterization Lab \\
\hline MSE 458: Introduction to Electronic, Magnetic, and Optical Properties \\
\hline MSE 460: Nanomaterials in Energy Production and Storage \\
\hline MSE 470: Polymers and Composites \\
\hline MSE 471: Introduction to Ceramics \\
\hline MSE 482: Materials Engineering Design (L) \\
\hline MSE 494: Bioinspired Materials and Biomaterials \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Chemical Engineering, BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESCHEBSE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(9)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline HM 113: General Chemistry I (SQ) & 4 & C \\
\hline FSE 100: Introduction to Engineering & 2 & C \\
\hline MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-CHE: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline
\end{tabular}

Humanities, Arts and Design (HU) AND Cultural Diversity in the 3 U.S. (C)

Minimum 2.00 GPA ASU Cumulative.
Term hours subtotal:
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
- ASU 101-CHE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.
- If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
- Prep for success using the Freshman Guide.
- Join a Fulton community
- Explore engineering and technical professions
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 CHM 116: General Chemistry II (SQ) & 4 & C & \multirow[t]{10}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline 4. MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline 4 PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline 4 PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline CHE 211: Introduction to Chemical Processing & 3 & C \\
\hline (1) MAT 242: Elementary Linear Algebra & 2 & C \\
\hline 1 MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline CHM 233: General Organic Chemistry I & 3 & C \\
\hline CHM 237: General Organic Chemistry Laboratory I & 1 & C \\
\hline Bioscience Elective & 3 & \\
\hline
\end{tabular}
. Minimum 2.00 GPA ASU Cumulative.
- For more information about Bioscience Elective course options, please visit here.
- Prep for success using the Sophomore Guide.
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
- Create a technical resume.

Complete Mathematics (MA) requirement.
Term hours subtotal: 15
\begin{tabular}{|c|c|c|c|}
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) CHE 231: Introduction to Transport Phenomena I: Fluids & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline (4) MAT 267: Calculus for Engineers III (MA) & 3 & C & \\
\hline (4. PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C & \\
\hline CHE 384: Numerical Methods for Chemical Engineers (CS) & 3 & C & \\
\hline CHM 234: General Organic Chemistry II & 3 & C & \\
\hline Term hours subt & 15 & & \\
\hline
\end{tabular}
Term 560-75 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c|c|c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes \begin{tabular}{l} 
(
\end{tabular}
CHE 334: Introduction to Transport Phenomena II: Heat and Mass
Transfer
CHE 433: Modern Separations
CHE 442: Introduction to Chemical Reactor Design
CHE 352: Chemical Engineering Lab I (L)
IEE 220: Business and Industrial Engineering
Social-Behavioral Sciences (SB) AND Global Awareness (G)
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).
Term 7 90-105 Credit Hours Necessary course signified by
Hours
CHE 432: Principles of Chemical Engineering Design
Grade
\begin{tabular}{|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline W CHE 462: Process Design (L) & \multicolumn{2}{|l|}{3} \\
\hline Upper Division Advanced Chemistry/Biochemistry Technical Elective & \multicolumn{2}{|l|}{3} \\
\hline Upper Division CHE Technical Elective & 3 & \\
\hline
\end{tabular}

\section*{Notes}
- For more information about Upper Division Advanced Chemistry/Biochemistry Technical Electives, Upper Division CHE Technical
\begin{tabular}{|c|c|}
\hline Upper Division Natural Science or Materials Science Technical Elective & 3 \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 \\
\hline Term hours subtotal: & 15 \\
\hline
\end{tabular}

Electives, and Upper Division Natural Science or Materials Science Technical Electives, please visit here.
- For a list of Engineering Electives, Upper Division Advanced Chemistry/Biochemistry Technical Electives, CHE Upper Division Technical Electives, and Upper Division Natural Science or MSE Technical Elective course options please visit: CHE Elective Course Options

Hide Course List(s)/Track Group(s)
Bioscience Electives
BIO 181: General Biology I (SQ)
BIO 182: General Biology II (SG)
BME 2** Elective
CHM 453: Inorganic Chemistry
CHM 481: Geochemistry
Contact your advisor for additional course
options \(\quad\)\begin{tabular}{l} 
MSE 460: Nanomaterials in Energy \\
Production and Storage
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Civil Engineering, BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESCEEBSE
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 4 FSE 100: Introduction to Engineering & 2 & C \\
\hline 4. MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-CEE: The ASU Experience & 1 & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Term hours subtotal: 16

\begin{tabular}{|c|c|c|}
\hline 4 CEE 210: Engineering Mechanics I: Statics & 3 & C \\
\hline (1) MAT 267: Calculus for Engineers III (MA) & 3 & C \\
\hline 4. MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline 4. PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C \\
\hline 4 PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline
\end{tabular}
ECN 211: Macroeconomic Principles (SB) OR ECN 212 ..... 3

Microeconomic Principles (SB)
Minimum 2.00 GPA ASU Cumulative.
- Prep for success using the Sophomore Guide.
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

\begin{tabular}{|c|c|}
\hline Technical Elective & Design Elective \\
\hline CEE 281: Surveying & CEE 412: Pavement Analysis and Design \\
\hline CEE 412: Pavement Analysis and Design & CEE 420: Steel Structures \\
\hline CEE 420: Steel Structures & CEE 421: Concrete Structures \\
\hline CEE 421: Concrete Structures & CEE 441: Water Resources Engineering \\
\hline CEE 440: Hydrology & CEE 452: Foundations \\
\hline CEE 441: Water Resources Engineering & CEE 462: Unit Operations in Environmental \\
\hline CEE 452: Foundations & Engineering \\
\hline \multirow[b]{2}{*}{CEE 462: Unit Operations in Environmental Engineering} & CEE 466: Urban Water System Design \\
\hline & CEE 475: Highway Geometric Design \\
\hline CEE 466: Urban Water System Design & \\
\hline CEE 467: Environmental Microbiology & \\
\hline CEE 474: Transportation Systems Planning & \\
\hline CEE 475: Highway Geometric Design & \\
\hline CEE 481: Civil Engineering Project Management & \\
\hline CEE 483: Highway Materials, Construction, and Quality & \\
\hline CEE 493: Honors Thesis (L) & \\
\hline CHE 469: Air Quality Engineering & \\
\hline CON 453: Construction Technology & \\
\hline FSE 301: Entrepreneurship and Value Creation & \\
\hline IEE 431: Engineering Administration (L) & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Civil Engineering (Sustainable Engineering), BSE}

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESCEESUBSE
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline 4 FSE 100: Introduction to Engineering & 2 & C \\
\hline 1. MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-CEE: The ASU Experience & 1 & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Term hours subtotal: 16

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students and should be completed the first semester.
- If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.
- Crete a Handshe profle.
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 3 31-47 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 1. CEE 210: Engineering Mechanics I: Statics & 3 & C \\
\hline (1) MAT 267: Calculus for Engineers III (MA) & 3 & C \\
\hline 4. MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline 4 PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C \\
\hline 4. PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & \\
\hline
\end{tabular}

Minimum 2.00 GPA ASU Cumulative.  .

ECN 211: Macroeconomic Principles (SB) OR ECN 212
Microeconomic Principles (SB)

\section*{Notes}
- Prep for success using the Sophomore Guide.
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

\begin{tabular}{|c|c|}
\hline Technical Elective & 3 \\
\hline & Term hours subtotal: 13 \\
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Design Electives & Approved Technical Elective \\
\hline CEE 412: Pavement Analysis and Design & BCH 361: Advanced Principles of \\
\hline CEE 420: Steel Structures & Biochemistry \\
\hline \multirow[b]{2}{*}{CEE 421: Concrete Structures} & BIO 320: Fundamentals of Ecology \\
\hline & \\
\hline CEE 441: Water Resources Engineering & CEE 281: Surveying \\
\hline CEE 452: Foundations & CEE 412: Pavement Analysis and Design \\
\hline \multirow[b]{2}{*}{CEE 462: Unit Operations in Environmental Engineering} & CEE 420: Steel Structures \\
\hline & CEE 421: Concrete Structures \\
\hline CEE 466: Urban Water System Design & CEE 440: Hydrology \\
\hline \multirow[t]{15}{*}{CEE 475: Highway Geometric Design} & CEE 441: Water Resources Engineering \\
\hline & CEE 452: Foundations \\
\hline & CEE 462: Unit Operations in Environmental Engineering \\
\hline & CEE 466: Urban Water System Design \\
\hline & CEE 474: Transportation Systems Planning \\
\hline & CEE 475: Highway Geometric Design \\
\hline & CEE 481: Civil Engineering Project Management \\
\hline & CEE 483: Highway Materials, Construction, and Quality \\
\hline & CEE 493: Honors Thesis (L) \\
\hline & CEE 494: Sustainable Energy and Material Use \\
\hline & CEE 499: Individualized Instruction \\
\hline & CHM 302: Environmental Chemistry \\
\hline & CHM 341: Elementary Physical Chemistry \\
\hline & CON 453: Construction Technology \\
\hline & PUP 442: Environmental Planning \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ - Humanities, Arts and Design (HU) \\ - Social-Behavioral Sciences (SB) \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Computer Science, BS
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESCSEBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) CSE 110: Principles of Programming with Java (CS) & 3 & C & \multirow[b]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or College specific equivalent First Year Seminar required of all students and should be taken in the first semester. \\
- If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation. \\
- Prep for success using the Freshman Guide. \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular}} \\
\hline (1) MAT 265: Calculus for Engineers I (MA) & 3 & C & \\
\hline ASU 101-CSE: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline FSE 100: Introduction to Engineering & 2 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline (1) Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 215-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) CSE 205: Object-Oriented Programming and Data Structures (CS) & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline. \\
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline (1) MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Lab Science Requirement AND Natural Science - Quantitative (SQ) & 4 & & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline (4) Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 331-47 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) CSE 120: Digital Design Fundamentals & 3 & C & \multirow[t]{2}{*}{- Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.} \\
\hline (1) MAT 243: Discrete Mathematical Structures & 3 & C & \\
\hline 4. MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science & 3 & C & \begin{tabular}{l}
subject area or discipline. \\
- Prep for success using the Sophomore Guide
\end{tabular} \\
\hline Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ) & 4 & & Resource Library for tips on how to create a technical resume, job shadow, do \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & & informational interviews and mentor with \\
\hline
\end{tabular}
Term 4 47-63 Credit Hours Critical course signified by 1.
\(\begin{array}{l}\text { Term } 7 \text { 94-108 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{l} 
Notes
\end{tabular}
\begin{tabular}{cc|c|c|c|c} 
Term 8 108-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}


\footnotetext{
- Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the CIDSE website for additional
} information.
- Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the CIDSE website for additional information.

Hide Course List(s)/Track Group(s)
Lab Science Requirement
BIO 181: General Biology I (SQ)
Technical Electives
BIO 182: General Biology II (SG)
AEE 415: Vibration Analysis Technical Electives continued
\begin{tabular}{|c|c|}
\hline CEE 440: Hydrology & \multirow{2}{*}{EEE 481: Computer-Controlled Systems} \\
\hline \multirow[t]{2}{*}{CEE 441: Water Resources Engineering} & \\
\hline & \\
\hline CEE 452: Foundations & Creation \\
\hline CEE 462: Unit Operations in Environmental Engineering & IEE 376: Operations Research Deterministic Techniques/Applications \\
\hline CEE 466: Urban Water System Design & IEE 381: Lean Six Sigma Methodology \\
\hline CEE 467: Environmental Microbiology & IEE 385: Engineering Statistics: Probabi \\
\hline CEE 474: Transportation Systems Planning & IEE 412: Introduction to Financial \\
\hline CEE 475: Highway Geometric Design & Engineering \\
\hline & IEE 426: Operations Research in Healthcare \\
\hline Management & IEE 431: Engineering Administration (L) \\
\hline \multirow[t]{2}{*}{CEE 483: Highway Materials, Construction, and Quality} & IEE 456: Introduction to Systems Engineering \\
\hline & IEE 458: Project Management \\
\hline CEE 486: Integrated Civil Engineering Design (L) & IEE 461: Production Control \\
\hline \multirow[t]{2}{*}{CHE 342: Introduction to Applied Chemical Thermodynamics} & IEE 470: Stochastic Operations Research \\
\hline & IEE 474: Quality Control \\
\hline CHE 432: Principles of Chemical Engineering Design & IEE 475: Simulating Stochastic Systems (CS) \\
\hline \multirow[b]{2}{*}{CHE 442: Introduction to Chemical Reactor Design} & MAE 341: Mechanism Analysis and Design \\
\hline & MAE 404: Finite Elements in Engineering \\
\hline CHE 461: Process Dynamic Control (CS) & MAE 406: Advanced CAE Simulation \\
\hline CHE 462: Process Design (L) & MAE 417: System Dynamics and Control II \\
\hline CHE 469: Air Quality Engineering & MAE 436: Combustion \\
\hline CHE 475: Biochemical Engineering & MAE 455: Polymers and Composites \\
\hline CIS 415: Big Data Analytics in Business & MAT Upper Division Elective \\
\hline CPI 350: Evaluation of Informatics Systems & Except for: MAT 300, MAT 340, MAT 342, \\
\hline \multirow[t]{2}{*}{CPI 360: Decision Making and Problem Solving} & MAT 343 and MAT 485 \\
\hline & MEE 351: Manufacturing Processes \\
\hline CPI 411: Graphics for Games & MEE 434: Internal Combustion Engines \\
\hline \multirow[t]{2}{*}{CPI 412: Cognitive Systems and Intelligent Agents} & MEE 446: Energy Systems Design \\
\hline & PHY 302: Mathematical Methods in Physics II \\
\hline \multirow[t]{2}{*}{CPI 460: Intelligent Interactive Instructional Systems} &  \\
\hline & PHY 361: Introductory Modern Physics \\
\hline \multirow[t]{2}{*}{CPI 462: Design for Learning in Virtual Worlds} & PHY 462: Particle and Nuclear Physics \\
\hline & PHY 494: Computational Methods in Physics \\
\hline CSE 325: Embedded Microprocessor Systems & \\
\hline \multirow[t]{2}{*}{CSE 335: Principles of Mobile Application Development} & Mobile Systems \\
\hline & STP 421: Probability \\
\hline CSE 4** Elective & STP 425: Stochastic Processes \\
\hline Except for: CSE 430, CSE 485 and CSE 486 Academic Catalog Archive 2018-2019 & 2596 \\
\hline
\end{tabular}

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\author{
2018-2019 Major Map \\ Computer Science (Cybersecurity), BS \\ School/College: Ira A. Fulton Schools of Engineering \\ Location: Tempe campus \\ ESCSEIBS
}

This program's name has changed effective Fall 2018. The previous name was Computer Science (Information Assurance).
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4. CSE 110: Principles of Programming with Java (CS) & 3 & C & \multirow[b]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all students and should be taken in the first semester. \\
- If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation. \\
- Prep for success using the Freshman Guide. \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular}} \\
\hline (4) MAT 265: Calculus for Engineers I (MA) & 3 & C & \\
\hline ASU 101-CSE: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline FSE 100: Introduction to Engineering & 2 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline (1) Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 9 CSE 205: Object-Oriented Programming and Data Structures (CS) & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline. \\
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline 4 MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Lab Science Requirement AND Natural Science - Quantitative (SQ) & 4 & & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 31-47 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline CSE 120: Digital Design Fundamentals & 3 & C \\
\hline (1) MAT 243: Discrete Mathematical Structures & 3 & C \\
\hline 4. MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science & 3 & C \\
\hline Lab Science Requirement AND Natural Science - Quantitative (SQ) or Natural Science - General (SG) & 4 & \\
\hline
\end{tabular}
- Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.
- Prep for success using the Sophomore Guide
- Consult the Resume, Presentation, and Resource Library for tips on how to create a

\begin{tabular}{|c|c|c|}
\hline CSE 486: Computer Science Capstone Project II (L) & 3 & C \\
\hline CSE 412: Database Management OR CSE 434: Computer Networks OR CSE 445: Distributed Software Development & 3 & C \\
\hline CSE 469: Computer and Network Forensics & 3 & C \\
\hline Information Assurance Elective & 3 & C \\
\hline Term hours subtotal: & 12 & \\
\hline
\end{tabular}
- Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the CIDSE website for additional information.

Hide Course List(s)/Track Group(s)
Lab Science Requirement
BIO 181: General Biology I (SQ)
CHM 113: General Biology II (SG)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I
(Physical) (SQ) AND GLG 103: Introduction
to Geology I-Laboratory (SQ)
GLG 102: Introduction to Geology II
(Historical) (SG \& H) AND GLG 104:
Introduction to Geology II-Laboratory (SG)
GLG 110: Dangerous World (SG \& G) AND
GLG 111: Dangerous World Laboratory (SG)
PHY 121: University Physics I: Mechanics
(SQ) AND PHY 122: University Physics
Laboratory I (SQ)
PHY 131: University Physics II: Electricity
and Magnetism (SQ) AND PHY 132:
University Physics Laboratory II (SQ)
Information Assurance Elective
CSE 460: Software Analysis and Design
CSE 463: Introduction to Human Computer
Interaction
CSE 471: Introduction to Artificial
Intelligence Intelligence

\section*{Technical Electives}

AEE 415: Vibration Analysis

AEE 426: Design of Aerospace Structures

AEE 462: Space Vehicle Dynamics and Control

AEE 463: Aircraft Propulsion

AEE 465: Rocket Propulsion

AEE 468: Aircraft Systems Design
AEE 469: Projects in Astronautics or Aeronautics

AEE 471: Computational Fluid Dynamics AME 430: Mac Development for Media Arts

BCH 361: Advanced Principles of Biochemistry

BCH 461: General Biochemistry

BCH 462: General Biochemistry

BCH 465: Protein and Nucleic Acid Biochemistry

BIO 340: General Genetics

BIO 343: Genetic Engineering and Society (L)

BIO 345: Evolution

BME 350: Signals and Systems for Bioengineers

BME 413: Biomedical Instrumentation (L)

BME 416: Advanced Biomechanics

BME 419: Biocontrol Systems
CEE 412: Pavement Analysis and Design
CEE 423: Structural Design

CEE 432: Developing Software for Engineering Applications

CEE 440: Hydrology
CEE 441: Water Resources Engineering
CEE 452: Foundations

CEE 462: Unit Operations in Environmental Engineering

CEE 466: Urban Water System Design
CEE 467: Environmental Microbiology
CEE 474: Transportation Systems Planning

CEE 475: Highway Geometric Design

CEE 481: Civil Engineering Project
Management
CEE 483: Highway Materials, Construction, and Quality

CEE 486: Integrated Civil Engineering Design (L)

CHE 342: Introduction to Applied Chemical Thermodynamics

CHE 432: Principles of Chemical Engineering Design

CHE 442: Introduction to Chemical Reactor Design

CHE 461: Process Dynamic Control (CS)
CHE 462: Process Design (L)
CHE 469: Air Quality Engineering
CHE 475: Biochemical Engineering
CIS 415: Big Data Analytics in Business
CPI 350: Evaluation of Informatics Systems
CPI 360: Decision Making and Problem Solving

CPI 411: Graphics for Games
CPI 412: Cognitive Systems and Intelligent Agents

CPI 460: Intelligent Interactive Instructional Systems

CPI 462: Design for Learning in Virtual Worlds

CSE 325: Embedded Microprocessor Systems
CSE 335: Principles of Mobile Application Development

Technical Electives continued
EEE 304: Signals and Systems II
EEE 333: Hardware Design Languages and Programmable Logic

EEE 350: Random Signal Analysis
EEE 360: Energy Systems and Power Electronics

EEE 404: Real-Time DSP Systems
EEE 407: Digital Signal Processing
EEE 425: Digital Systems and Circuits
EEE 433: Analog Integrated Circuits
EEE 434: Quantum Mechanics for Engineers
EEE 435: Fundamentals of CMOS and MEMS
EEE 436: Fundamentals of Solid-State Devices

EEE 437: Optoelectronics
EEE 439: Semiconductor Facilities and Cleanroom Practices

EEE 443: Antennas for Wireless
Communications
EEE 445: Microwaves
EEE 448: Fiber Optics
EEE 455: Communication Systems
EEE 459: Communication Networks
EEE 460: Nuclear Power Engineering
EEE 463: Electrical Power Plants

EEE 470: Electric Power Devices

EEE 471: Power System Analysis

EEE 473: Electrical Machinery

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

FSE 301: Entrepreneurship and Value Creation
IEE 376: Operations Research Deterministic Techniques/Applications

IEE 381: Lean Six Sigma Methodology
IEE 385: Engineering Statistics: Probability

IEE 412: Introduction to Financial Engineering
IEE 426: Operations Research in Healthcare
IEE 431: Engineering Administration (L)

IEE 456: Introduction to Systems Engineering

IEE 458: Project Management

IEE 461: Production Control

IEE 470: Stochastic Operations Research
IEE 474: Quality Control
IEE 475: Simulating Stochastic Systems (CS)
MAE 341: Mechanism Analysis and Design
MAE 404: Finite Elements in Engineering
MAE 406: Advanced CAE Simulation
MAE 417: System Dynamics and Control II
MAE 436: Combustion
MAE 455: Polymers and Composites
MAT Upper Division Elective
Except for: MAT 300, MAT 340, MAT 342, MAT 343 and MAT 485

MEE 434: Internal Combustion Engines
MEE 446: Energy Systems Design
PHY 302: Mathematical Methods in Physics II

PHY 361: Introductory Modern Physics
PHY 462: Particle and Nuclear Physics PHY 494: Computational Methods in Physics

SER 421: Web-Based Applications and Mobile Systems

STP 421: Probability

STP 425: Stochastic Processes

STP 427: Mathematical Statistics

STP 429: Experimental Statistics (CS)
NOTE: Maximum 3 hours CSE 484 or FSE 301. Maximum 6 hours of CSE 484, 492, 493 or 499. Some Technical Electives may require additional prerequisites.

General University Requirements Legend
General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Computer Science (Software Engineering), BS
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESCSESBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1) CSE 110: Principles of Programming with Java (CS) & 3 & C & \multirow[b]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all students and should be taken in the first semester. \\
- If ENG 105 is taken, a three (3) semester elective must also be taken prior to graduation. \\
- Prep for success using the Freshman Guide. \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular}} \\
\hline (4. MAT 265: Calculus for Engineers I (MA) & 3 & C & \\
\hline ASU 101-CSE: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline FSE 100: Introduction to Engineering & 2 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline (1) Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 215-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) CSE 205: Object-Oriented Programming and Data Structures (CS) & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline. \\
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline (1) MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Lab Science Requirement AND Natural Science - Quantitative (SQ) & 4 & & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline (4) Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 331-47 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) CSE 120: Digital Design Fundamentals & 3 & C & \multirow[t]{2}{*}{- Three (3) lab science classes are required. Two of the 3 classes must be from the same subject area or discipline.} \\
\hline (1) MAT 243: Discrete Mathematical Structures & 3 & C & \\
\hline 4. MAT 267: Calculus for Engineers III (MA) OR CSE 259: Logic in Computer Science & 3 & C & \begin{tabular}{l}
subject area or discipline. \\
- Prep for success using the Sophomore Guide
\end{tabular} \\
\hline Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ) & 4 & & Resource Library for tips on how to create a technical resume, job shadow, do \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & & informational interviews and mentor with \\
\hline
\end{tabular}


CSE 463: Introduction to Human Computer Interaction OR CSE 466: Computer Systems Security OR CSE 467: Data and Information Security OR CSE 468: Computer Network Security
\begin{tabular}{|c|c|c|}
\hline Upper Division Technical Elective & 3 & C \\
\hline & 12 & \\
\hline
\end{tabular}

Term hours subtotal:
12
- Please see course lists below for Technical Electives. Contact CIDSE Advising or visit the CIDSE website for additional information.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Lab Science Requirement & Technical Electives & Technical Electives continued \\
\hline BIO 181: General Biology I (SQ) & AEE 415: Vibration Analysis & EEE 304: Signals and Systems II \\
\hline BIO 182: General Biology II (SG) & AEE 426: Design of Aerospace Structures & \multirow[t]{2}{*}{EEE 333: Hardware Design Languages and Programmable Logic} \\
\hline CHM 113: General Chemistry I (SQ) & \multirow[t]{2}{*}{AEE 462: Space Vehicle Dynamics and Control} & \\
\hline CHM 116: General Chemistry II (SQ) & & EEE 350: Random Signal Analysis \\
\hline GLG 101: Introduction to Geology I & AEE 463: Aircraft Propulsion & \multirow[t]{2}{*}{EEE 360: Energy Systems and Power Electronics} \\
\hline (Physical) (SQ) AND GLG 103: Introduction & AEE 465: Rocket Propulsion & \\
\hline to Geology I-Laboratory (SQ) & AEE 468: Aircraft Systems Design & EEE 404: Real-Time DSP Systems \\
\hline GLG 102: Introduction to Geology II & \multirow[b]{2}{*}{AEE 469: Projects in Astronautics or Aeronautics} & EEE 407: Digital Signal Processing \\
\hline \begin{tabular}{l}
(Historical) (SG \& H) AND GLG 104: \\
Introduction to Geology II-Laboratory (SG)
\end{tabular} & & EEE 425: Digital Systems and Circuits \\
\hline GLG 110: Dangerous World (SG \& G) AND & AEE 471: Computational Fluid Dynamics & EEE 433: Analog Integrated Circuits \\
\hline GLG 111: Dangerous World Laboratory (SG) & AME 430: Mac Development for Media Arts & EEE 434: Quantum Mechanics for Engineers \\
\hline PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics & \multirow[t]{2}{*}{BCH 361: Advanced Principles of Biochemistry} & EEE 435: Fundamentals of CMOS and MEMS \\
\hline Laboratory I (SQ) & & \multirow[t]{2}{*}{EEE 436: Fundamentals of Solid-State Devices} \\
\hline \multirow[t]{14}{*}{PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)} & BCH 461: General Biochemistry & \\
\hline & BCH 462: General Biochemistry & EEE 437: Optoelectronics \\
\hline & BCH 465: Protein and Nucleic Acid Biochemistry & EEE 439: Semiconductor Facilities and Cleanroom Practices \\
\hline & BIO 340: General Genetics & \multirow[t]{2}{*}{EEE 443: Antennas for Wireless Communications} \\
\hline & BIO 343: Genetic Engineering and Society (L) & \\
\hline & BIO 345: Evolution & EEE 445: Microwaves \\
\hline & \multirow[t]{2}{*}{BME 350: Signals and Systems for Bioengineers} & EEE 448: Fiber Optics \\
\hline & & EEE 455: Communication Systems \\
\hline & BME 413: Biomedical Instrumentation (L) & EEE 459: Communication Networks \\
\hline & BME 416: Advanced Biomechanics & EEE 460: Nuclear Power Engineering \\
\hline & BME 419: Biocontrol Systems & EEE 463: Electrical Power Plants \\
\hline & CEE 412: Pavement Analysis and Design & EEE 470: Electric Power Devices \\
\hline & CEE 423: Structural Design & EEE 471: Power System Analysis \\
\hline & & EEE 473: Electrical Machinery \\
\hline
\end{tabular}

GLG 110: Dangerous World (SG \& G) AND GLG 111: Dangerous World Laboratory (SG)

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)
\begin{tabular}{|c|c|c|}
\hline Lab Science Requirement & Technical Electives & Technical Electives continued \\
\hline BIO 181: General Biology I (SQ) & AEE 415: Vibration Analysis & EEE 304: Signals and Systems II \\
\hline BIO 182: General Biology II (SG) & AEE 426: Design of Aerospace Structures & \multirow[t]{2}{*}{EEE 333: Hardware Design Languages and Programmable Logic} \\
\hline CHM 113: General Chemistry I (SQ) & \multirow[t]{2}{*}{AEE 462: Space Vehicle Dynamics and Control} & \\
\hline CHM 116: General Chemistry II (SQ) & & EEE 350: Random Signal Analysis \\
\hline GLG 101: Introduction to Geology I & AEE 463: Aircraft Propulsion & \multirow[t]{2}{*}{EEE 360: Energy Systems and Power Electronics} \\
\hline (Physical) (SQ) AND GLG 103: Introduction & AEE 465: Rocket Propulsion & \\
\hline to Geology I-Laboratory (SQ) & AEE 468: Aircraft Systems Design & EEE 404: Real-Time DSP Systems \\
\hline GLG 102: Introduction to Geology II & \multirow[b]{2}{*}{AEE 469: Projects in Astronautics or Aeronautics} & EEE 407: Digital Signal Processing \\
\hline \begin{tabular}{l}
(Historical) (SG \& H) AND GLG 104: \\
Introduction to Geology II-Laboratory (SG)
\end{tabular} & & EEE 425: Digital Systems and Circuits \\
\hline GLG 110: Dangerous World (SG \& G) AND & AEE 471: Computational Fluid Dynamics & EEE 433: Analog Integrated Circuits \\
\hline GLG 111: Dangerous World Laboratory (SG) & AME 430: Mac Development for Media Arts & EEE 434: Quantum Mechanics for Engineers \\
\hline PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics & \multirow[t]{2}{*}{BCH 361: Advanced Principles of Biochemistry} & EEE 435: Fundamentals of CMOS and MEMS \\
\hline Laboratory I (SQ) & & \multirow[t]{2}{*}{EEE 436: Fundamentals of Solid-State Devices} \\
\hline \multirow[t]{14}{*}{PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)} & BCH 461: General Biochemistry & \\
\hline & BCH 462: General Biochemistry & EEE 437: Optoelectronics \\
\hline & BCH 465: Protein and Nucleic Acid Biochemistry & EEE 439: Semiconductor Facilities and Cleanroom Practices \\
\hline & BIO 340: General Genetics & \multirow[t]{2}{*}{EEE 443: Antennas for Wireless Communications} \\
\hline & BIO 343: Genetic Engineering and Society (L) & \\
\hline & BIO 345: Evolution & EEE 445: Microwaves \\
\hline & \multirow[t]{2}{*}{BME 350: Signals and Systems for Bioengineers} & EEE 448: Fiber Optics \\
\hline & & EEE 455: Communication Systems \\
\hline & BME 413: Biomedical Instrumentation (L) & EEE 459: Communication Networks \\
\hline & BME 416: Advanced Biomechanics & EEE 460: Nuclear Power Engineering \\
\hline & BME 419: Biocontrol Systems & EEE 463: Electrical Power Plants \\
\hline & CEE 412: Pavement Analysis and Design & EEE 470: Electric Power Devices \\
\hline & CEE 423: Structural Design & EEE 471: Power System Analysis \\
\hline & & EEE 473: Electrical Machinery \\
\hline
\end{tabular}

Advising or visit the CIDSE website for additional information.

CEE 432: Developing Software for Engineering Applications

CEE 440: Hydrology

CEE 441: Water Resources Engineering CEE 452: Foundations

CEE 462: Unit Operations in Environmental Engineering

CEE 466: Urban Water System Design

CEE 467: Environmental Microbiology
CEE 474: Transportation Systems Planning
CEE 475: Highway Geometric Design
CEE 481: Civil Engineering Project Management

CEE 483: Highway Materials, Construction, and Quality

CEE 486: Integrated Civil Engineering Design (L)

CHE 342: Introduction to Applied Chemical Thermodynamics

CHE 432: Principles of Chemical Engineering Design

CHE 442: Introduction to Chemical Reactor Design

CHE 461: Process Dynamic Control (CS)
CHE 462: Process Design (L)
CHE 469: Air Quality Engineering
CHE 475: Biochemical Engineering
CIS 415: Big Data Analytics in Business
CPI 350: Evaluation of Informatics Systems
CPI 360: Decision Making and Problem Solving

CPI 411: Graphics for Games
CPI 412: Cognitive Systems and Intelligent Agents

CPI 460: Intelligent Interactive Instructional Systems

CPI 462: Design for Learning in Virtual Worlds

CSE 325: Embedded Microprocessor Systems
CSE 335: Principles of Mobile Application Development

EEE 480: Feedback Systems
EEE 481: Computer-Controlled Systems
FSE 301: Entrepreneurship and Value Creation

IEE 376: Operations Research Deterministic Techniques/Applications

IEE 381: Lean Six Sigma Methodology
IEE 385: Engineering Statistics: Probability
IEE 412: Introduction to Financial Engineering

IEE 426: Operations Research in Healthcare
IEE 431: Engineering Administration (L)
IEE 456: Introduction to Systems Engineering
IEE 458: Project Management
IEE 461: Production Control
IEE 470: Stochastic Operations Research
IEE 474: Quality Control
IEE 475: Simulating Stochastic Systems (CS)
MAE 341: Mechanism Analysis and Design MAE 404: Finite Elements in Engineering MAE 406: Advanced CAE Simulation MAE 417: System Dynamics and Control II MAE 436: Combustion

MAE 455: Polymers and Composites MAT Upper Division Elective

Except for: MAT 300, MAT 340, MAT 342, MAT 343 and MAT 485

MEE 434: Internal Combustion Engines
MEE 446: Energy Systems Design
PHY 302: Mathematical Methods in Physics II
PHY 361: Introductory Modern Physics
PHY 462: Particle and Nuclear Physics
PHY 494: Computational Methods in Physics
SER 421: Web-Based Applications and Mobile Systems

STP 421: Probability
STP 425: Stochastic Processes
STP 427: Mathematical Statistics

NOTE: Maximum 3 hours CSE 484 or FSE 301. Maximum 6 hours of CSE 484, 492, 493 or 499 . Some Technical Electives may require additional prerequisites.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Computer Systems Engineering, BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESCSEBSE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. CSE 110: Principles of Programming with Java (CS) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or College specific equivalent First Year Seminar required of all students and should be taken in the first semester.
\end{tabular}} \\
\hline (4) MAT 265: Calculus for Engineers I (MA) & 3 & C & \\
\hline ASU 101-CSE: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline FSE 100: Introduction to Engineering & 2 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \multirow[t]{2}{*}{- If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation.} \\
\hline (1) Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
- Prep for success using the Freshman Guide. \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) CSE 205: Object-Oriented Programming and Data Structures (CS) & 3 & C & \multirow[t]{10}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline 4. MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Biology or Chemistry Course & 4 & & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline (4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline (4) Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 331-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. CSE 220: Programming for Computer Engineering & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline CSE 230: Computer Organization and Assembly Language Programming & 3 & C & \\
\hline MAT 275: Modern Differential Equations (MA) & 3 & C & \\
\hline PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C & \\
\hline PHY 132: University Physics Laboratory II (SQ) & 1 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 563-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W CSE 310: Data Structures and Algorithms & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline CSE 301: Computing Ethics & 1 & C & \\
\hline CSE 320: Design and Synthesis of Digital Hardware & 3 & C & \\
\hline EEE 202: Circuits I & 4 & C & \\
\hline IEE 380: Probability and Statistics for Engineering Problem Solving (CS) & 3 & C & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 677-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Y CSE 325: Embedded Microprocessor Systems & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Research and prepare for graduate school. \\
- Apply for an engineering 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline CSE 330: Operating Systems & 3 & C & \\
\hline CSE 360: Introduction to Software Engineering & 3 & C & \\
\hline EEE 334: Circuits II & 4 & C & \\
\hline MAT 343: Applied Linear Algebra & 3 & C & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & \(1: 16\) & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W CSE 423: Systems Capstone Project I (L) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Please see course lists below for CSE Technical Electives. Contact CIDSE Advising or visit the CIDSE website for additional information. Maximum 6 hours at the 300-level. \\
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or virtual practice interview.
\end{tabular}} \\
\hline CSE 434: Computer Networks & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division CSE Technical Elective
\end{tabular} & 6 & C & \\
\hline \begin{tabular}{l}
Upper Division Humanities, Arts and Design (HU) OR Upper \\
Division Social-Behavioral Sciences (SB)
\end{tabular} & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours M & Minimum Grade & Notes \\
\hline \% CSE 424: Systems Capstone Project II (L) & 3 & C & \multirow[t]{3}{*}{- Please see course lists below for CSE Technical Electives. Contact CIDSE Advising or visit the CIDSE website for additional information. Maximum 6 hours at the 300-level.} \\
\hline CSE 420: Computer Architecture I & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
4** CSE Technical Elective
\end{tabular} & 6 & C & \\
\hline
\end{tabular}
- Please see course lists below for CSE Technical Electives. Contact CIDSE Advising or visit the CIDSE website for additional information. Maximum 6 hours at the 300-level.
\begin{tabular}{|c|c|}
\hline Biology or Chemistry Courses & CSE Technical Electives \\
\hline BIO 181: General Biology I (SQ) & \multirow[t]{2}{*}{Note: 6 hours maximum of 300-level Technical Electives. 6 hours minimum of 400-level Technical Electives.} \\
\hline BIO 182: General Biology II (SG) & \\
\hline CHM 113: General Chemistry I (SQ) & Maximum 3 hours of CSE 484 or FSE 301. \\
\hline CHM 114: General Chemistry for Engineers
(SQ) & Maximum 6 hours of CSE 484, 492, 493 or 499. \\
\hline \multirow[t]{21}{*}{CHM 116: General Chemistry II (SQ)} & Some Technical Electives may require additional prerequisites. \\
\hline & Students considering graduate program in Computer Science should take CSE 340 and CSE 355. \\
\hline & CPI 350: Evaluation of Informatics Systems \\
\hline & CPI 411: Graphics for Games \\
\hline & CSE 335: Principles of Mobile Application Development \\
\hline & CSE 340: Principles of Programming Languages \\
\hline & CSE 355: Introduction to Theoretical Computer Science \\
\hline & CSE 365: Information Assurance \\
\hline & CSE 4** Elective \\
\hline & EEE 304: Signals and Systems II \\
\hline & EEE 350: Random Signal Analysis \\
\hline & EEE 404: Real-Time DSP Systems \\
\hline & EEE 407: Digital Signal Processing \\
\hline & EEE 425: Digital Systems and Circuits \\
\hline & EEE 455: Communication Systems \\
\hline & EEE 480: Feedback Systems \\
\hline & EEE 481: Computer-Controlled Systems \\
\hline & FSE 301: Entrepreneurship and Value Creation \\
\hline & IEE 385: Engineering Statistics: Probability \\
\hline & MAT 416: Introduction to Graph Theory \\
\hline & Academic Catalog Archive 2018-2019 \\
\hline
\end{tabular}
```

MAT 421: Applied Computational Methods
(CS)
MAT 447: Cryptography I
MAT 448: Cryptography II
PHY 302: Mathematical Methods in Physics II
PHY 333: Electronic Circuits and
Measurements
PHY 441: Statistical and Thermal Physics

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Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\title{
2018-2019 Major Map \\ Computer Systems Engineering (Cybersecurity), BSE
}

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESCSEIBSE

This program's name has changed effective Fall 2018. The previous name was Computer Systems Engineering (Information Assurance).
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) CSE 110: Principles of Programming with Java (CS) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or College specific equivalent First Year Seminar required of all students and should be taken in the first semester.
\end{tabular}} \\
\hline (4) MAT 265: Calculus for Engineers I (MA) & 3 & C & \\
\hline ASU 101-CSE: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline FSE 100: Introduction to Engineering & 2 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \multirow[t]{3}{*}{\begin{tabular}{l}
- If ENG 105 is taken, a three (3) semester hour elective must also be taken prior to graduation. \\
- Prep for success using the Freshman Guide. \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular}} \\
\hline (7) Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 215-31 Credit Hours Critical course signified by ! & Hours & Minimum Grade & Notes \\
\hline 1 CSE 205: Object-Oriented Programming and Data Structures (CS) & 3 & C & \multirow[t]{10}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline 4. MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composion & & & \\
\hline Biology or Chemistry Course & 4 & & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 31-47 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Prep for success using the Sophomore Guide.
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

Hide Course List(s)/Track Group(s)
Biology or Chemistry Course
BIO 181: General Biology I (SQ)
BIO 182: General Biology II (SG)
CHM 113: General Chemistry I (SQ)
CHM 114: General Chemistry for Engineers
(SQ)

CHM 116: General Chemistry II (SQ)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Construction Engineering, BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESCONBSE
Term 10 - 16 Credit Hours Critical course signified by
4. CHM 114: General Chemistry for Engineers (SQ) OR CHM 116:
General Chemistry II (SQ)
\begin{tabular}{|c|c|c|c|}
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 ( MAT 242: Elementary Linear Algebra & 2 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline 4. MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline 4. PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline 1. PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline CON 101: Construction and Culture: a Built Environment (HU \& H) & 3 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline
\end{tabular}

ENG 107 or ENG 108: First-Year Composition
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Minimum 2.00 GPA ASU Cumulative.
Term hours subtotal: 15
Term 3 31-47 Credit Hours Critical course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

\begin{tabular}{|c|c|}
\hline CNE 486: Integrated Civil Engineering Design (L) & 4 \\
\hline CNE 455: Construction Project Management II & 3 \\
\hline CNE 496: Construction Contract Administration (L) & 3 \\
\hline Upper Division Design Elective & 3 \\
\hline Term hours subtotal: & 13 \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Design Elective & Technical Elective \\
\hline CEE 420: Steel Structures & CEE 372: Transportation Engineering \\
\hline CEE 421: Concrete Structures & CEE 412: Pavement Analysis and Design \\
\hline \multirow[t]{24}{*}{CEE 452: Foundations} & CEE 420: Steel Structures \\
\hline & CEE 421: Concrete Structures \\
\hline & CEE 423: Structural Design \\
\hline & CEE 432: Developing Software for Engineering Applications \\
\hline & CEE 440: Hydrology \\
\hline & CEE 441: Water Resources Engineering \\
\hline & CEE 452: Foundations \\
\hline & CEE 462: Unit Operations in Environmental Engineering \\
\hline & CEE 466: Urban Water System Design \\
\hline & CEE 467: Environmental Microbiology \\
\hline & CEE 474: Transportation Systems Planning \\
\hline & CEE 475: Highway Geometric Design \\
\hline & CEE 481: Civil Engineering Project Management \\
\hline & CEE 483: Highway Materials, Construction, and Quality \\
\hline & CEE 493: Honors Thesis (L) \\
\hline & CEE 494: Concrete Canoe Design \\
\hline & CEE 494: Steel Bridge Design \\
\hline & CON 296: Summer Field Internship \\
\hline & CON 310: Testing of Materials for Construction \\
\hline & CON 345: Mechanical Systems \\
\hline & CON 448: Sustainable Construction \\
\hline & CON 454: Trenchless Construction Methods \\
\hline & CON 493: Honors Thesis (L) \\
\hline & Academic Catalog Archive 2018-2019 \\
\hline
\end{tabular}
- Design Elective requirements: Complete a total of 2 design electives.

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Construction Management, BS}

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus

\section*{ESCONMGTBS}
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) CON 100: Introduction to Construction & 2 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or College specific equivalent First
\end{tabular}} \\
\hline CON 101: Construction and Culture: a Built Environment (HU \& H) & 3 & C & \\
\hline (1. CON 252: Building Construction Methods, Materials, and Equipment & 3 & C & \\
\hline 4. MAT 170: Precalculus (MA) & 3 & C & \multirow[t]{2}{*}{Year Seminar required of all freshman students and should be taken the first semester.} \\
\hline ASU 101-CON: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \begin{tabular}{l}
semester. \\
- Prep for success using the Freshman Guide. \\
- Join a Fulton community.
\end{tabular} \\
\hline (4) Minimum 2.00 GPA ASU Cumulative. & & & professions. \\
\hline
\end{tabular}

\section*{Term hours subtotal: \\ 15}
\begin{tabular}{|c|c|c|c|}
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) CON 244: Working Drawing Analysis & 2 & C & \multirow{8}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline COM 225: Public Speaking (L) & 3 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline PHY 111: General Physics (SQ) & 3 & C & \\
\hline PHY 113: General Physics Laboratory (SQ) & 1 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline
\end{tabular}

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 330-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline (1) CON 221: Applied Statics & 2 & C \\
\hline (4) CON 251: Microcomputer Applications for Construction & 3 & C \\
\hline CON 243: Heavy Construction Equipment, Methods and Materials & 3 & C \\
\hline STP 226: Elements of Statistics (CS) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|}
\hline CON 496: Construction Contract Administration (L) & 3 \\
\hline ECN 211: Macroeconomic Principles (SB) & 3 \\
\hline LES 305: Business Law and Ethics for Managers & 3 \\
\hline Upper Division Construction Engineering Elective & 3 \\
\hline Term hours subtotal: & 15 \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
Construction Engineering Elective
CON 343: Advanced Heavy Equipment Operations

CON 377: Residential Construction
Production Procedures
CON 384: Environmental Aspects of Heavy Construction

CON 430: Facilities Operations and Maintenance CON 446: Marketing for Construction CON 450: Geotechnical Applications for Construction CON 454: Trenchless Construction Methods CON 457: Principles of Leadership for Project Managers

CON 477: Residential Construction Business Practices CON 483: Advanced Building Estimating CON 486: Heavy Construction Estimating CON 488: Heavy Construction Earthworks CON 494: Front End Planning

CON 494: Temporary Structures and Reinforcement Methods

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Electrical Engineering, BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESEEEBSE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4. MAT 265: Calculus for Engineers I (MA) & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics
\end{tabular}} \\
\hline ASU 101-EEE: The ASU Experience & 1 & & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & & \\
\hline CSE 100: Principles of Programming with C++ (CS) & 3 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students and should be taken the first \\
\hline FSE 100: Introduction to Engineering & 2 & & semester. \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & - If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to \\
\hline Term hours subtotal: & 16 & & \begin{tabular}{l}
graduation. See Advisor. \\
- Prep for success using the Freshman Guide. \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular} \\
\hline
\end{tabular}


Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 3 32-46 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 4 EEE 202: Circuits I & 4 & \\
\hline MAT 267: Calculus for Engineers III (MA) & 3 & C \\
\hline MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C \\
\hline PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline
\end{tabular}
4. Complete First-Year Composition requirement.
1. Minimum 2.00 GPA ASU Cumulative.
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{14} & \\
\hline Term 446-61 Credit Hours Critical course signified by \({ }^{4}\). & Hours & Minimum Grade & Notes \\
\hline (1) EEE 203: Signals and Systems I & 3 & & \multirow{6}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline 1. EEE 241: Fundamentals of Electromagnetics & 3 & & \\
\hline MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra & 3 & C & \\
\hline PHY 241: University Physics III & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 561-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EEE 334: Circuits II & 4 & & \multirow[t]{5}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline EEE 230: Computer Organization and Assembly Language Programming & 3 & & \\
\hline EEE 350: Random Signal Analysis & 3 & & \\
\hline Upper Division Area Pathway Course & 4 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Area Pathway Course
\end{tabular} & 12 & & \multirow[t]{3}{*}{\begin{tabular}{l}
- Research and prepare for graduate school. \\
- Apply for an engineering 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EEE 488: Senior Design Laboratory I (L) & 3 & & \multirow{7}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or virtual practice interview.
\end{tabular}} \\
\hline Upper Division Math or Science or Engineering Elective & 3 & & \\
\hline Complete 2 courses: & \multirow[t]{2}{*}{6} & & \\
\hline Upper Division Technical Elective & & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EEE 489: Senior Design Laboratory II (L) & 3 & & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Technical Elective
\end{tabular} & 9 & & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Technical Electives & Math or Science or Engineering Elective & Area Pathway Course \\
\hline EEE 404: Real-Time DSP Systems & AEE Upper Division Elective & EEE 304: Signals and Systems II \\
\hline EEE 407: Digital Signal Processing & BIO Upper Division Elective & \multirow[t]{2}{*}{EEE 333: Hardware Design Languages and Programmable Logic} \\
\hline EEE 425: Digital Systems and Circuits & BME Upper Division Elective & \\
\hline EEE 433: Analog Integrated Circuits & CEE Upper Division Elective & EEE 335: Analog and Digital Circuits \\
\hline EEE 434: Quantum Mechanics for Engineers & CHE Upper Division Elective & EEE 341: Engineering Electromagnetics \\
\hline EEE 435: Fundamentals of CMOS and MEMS & CHM Upper Division Elective & EEE 352: Properties of Electronic Materials \\
\hline EEE 436: Fundamentals of Solid-State Devices & CPI Upper Division Elective & EEE 360: Energy Systems and Power Electronics \\
\hline  & CSE Upper Division Elective & \\
\hline EEE 437: Optoelectronics & FSE Upper Division Elective & \\
\hline EEE 439: Semiconductor Facilities and Cleanroom Practices & IEE Upper Division Elective & \\
\hline EEE 443: Antennas for Wireless & MAE Upper Division Elective & \\
\hline Communications & MAT Upper Division Elective & \\
\hline EEE 445: Microwaves & MSE Upper Division Elective & \\
\hline EEE 448: Fiber Optics & PHY Upper Division Elective & \\
\hline EEE 455: Communication Systems & Upper Division Technical Elective & \\
\hline EEE 459: Communication Networks & & \\
\hline EEE 460: Nuclear Power Engineering & & \\
\hline EEE 463: Electrical Power Plants & & \\
\hline EEE 465: Photovoltaic Energy Conversion & & \\
\hline EEE 470: Electric Power Devices & & \\
\hline EEE 471: Power System Analysis & & \\
\hline EEE 472: Power Electronics and Power Management & & \\
\hline EEE 473: Electrical Machinery & & \\
\hline EEE 480: Feedback Systems & & \\
\hline EEE 481: Computer-Controlled Systems & & \\
\hline EEE 498: Constructionist Approach to Microprocessor Design & & \\
\hline EEE 498: Manufacturing Science of Solar Cells & & \\
\hline EEE 498: Networking for Big Data & & \\
\hline EEE 498: Science and Technology of Solar Cell Fabrication & & \\
\hline
\end{tabular}

\section*{Notes:}
- Accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org/.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Electrical Engineering, BSE}

School/College: Ira A. Fulton Schools of Engineering
Location: Online
ESEEEBSE

\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 6-12 Credit Hours Critical course signified by \({ }^{\dagger}\) & Hours & Minimum Grade & Notes \\
\hline 4. MAT 266: Calculus for Engineers II (MA) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Prep for success using the Freshman Guide
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Term hours subtotal: & 6 & & \begin{tabular}{l}
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 12-20 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4 PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline 4 PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & & \\
\hline Term hours subtotal: & 8 & & \\
\hline Term 2-B 20-26 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
MAT 267: Calculus for Engineers III (MA)
3
C

Term hours subtotal: 6
- Create a Handshake profile.
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 26-33 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1 PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C & \\
\hline 1. PHY 132: University Physics Laboratory II (SQ) & 1 & C & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 78-85 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \multicolumn{4}{|l|}{W Upper Division Area Pathway Course 4} \\
\hline \multicolumn{4}{|l|}{ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 7} \\
\hline Term 7-B 85-92 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \multicolumn{4}{|l|}{Upper Division Area Pathway Course 4} \\
\hline \multicolumn{3}{|l|}{Upper Division Technical Elective 3} & \multirow[t]{2}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or virtual practice interview.
\end{tabular}} \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 8-A 92-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \multicolumn{4}{|l|}{EEE 488: Senior Design Laboratory I (L)} \\
\hline \multicolumn{4}{|l|}{Upper Division Area Pathway Course 4} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 7} \\
\hline Term 8-B 99-105 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \multicolumn{4}{|l|}{Upper Division Math or Science or Engineering Elective 3} \\
\hline \multicolumn{4}{|l|}{Upper Division Technical Elective 3} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 6} \\
\hline Term 9-A 105-111 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \multicolumn{4}{|l|}{EEE 489: Senior Design Laboratory II (L) 3} \\
\hline \multicolumn{4}{|l|}{Upper Division Technical Elective 3} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 6} \\
\hline Term 9-B 111-117 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \multicolumn{4}{|l|}{Upper Division Technical Elective} \\
\hline \multicolumn{4}{|l|}{Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 6} \\
\hline Term 10-A 117-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \multicolumn{4}{|l|}{Upper Division Technical Elective 3} \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}
- Major maps are built based on full-time enrollment, but can be adjusted as necessary for part-time attendance.

Hide Course List(s)/Track Group(s)
EEE 404: Real-Time DSP Systems
EEE 407: Digital Signal Processing
EEE 425: Digital Systems and Circuits

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Electrical Engineering (Electric Power and Energy Systems), BSE}

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESEEEPBSE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. MAT 265: Calculus for Engineers I (MA) & 3 & C & \multirow[b]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students and should be taken the first semester. \\
- If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor. \\
- Prep for success using the Freshman Guide. \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular}} \\
\hline ASU 101-EEE: The ASU Experience & 1 & & \\
\hline CSE 100: Principles of Programming with C++ (CS) & 3 & & \\
\hline FSE 100: Introduction to Engineering & 2 & & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline 4.) Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 332-46 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 4. EEE 202: Circuits I & 4 & \\
\hline MAT 267: Calculus for Engineers III (MA) & 3 & C \\
\hline MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C \\
\hline PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline
\end{tabular}
. Minimum 2.00 GPA ASU Cumulative.
Complete First-Year Composition requirement.

Notes
- Prep for success using the Sophomore Guide.
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\begin{tabular}{|c|c|c|c|}
\hline Term hours subtotal: & 14 & & \\
\hline Term 446-61 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline 4. EEE 203: Signals and Systems I & 3 & & \multirow{6}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline (1) EEE 241: Fundamentals of Electromagnetics & 3 & & \\
\hline PHY 241: University Physics III & 3 & C & \\
\hline MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 561-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EEE 334: Circuits II & 4 & & \multirow[t]{5}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline EEE 230: Computer Organization and Assembly Language Programming & 3 & & \\
\hline EEE 350: Random Signal Analysis & 3 & & \\
\hline EEE 360: Energy Systems and Power Electronics & 4 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 6 75-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Area Pathway Course
\end{tabular} & 12 & & \multirow[t]{3}{*}{\begin{tabular}{l}
- Research and prepare for graduate school. \\
- Apply for an engineering 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% EEE 488: Senior Design Laboratory I (L) & 3 & & \multirow[t]{6}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or virtual practice interview.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Power Technical Elective
\end{tabular} & 6 & & \\
\hline Upper Division Math or Science or Engineering Elective & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & \multicolumn{2}{|l|}{} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EEE 489: Senior Design Laboratory II (L) & 3 & & \\
\hline Upper Division Power Technical Elective & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Technical Elective
\end{tabular} & 6 & & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

\begin{tabular}{|c|c|}
\hline Power Technical Electives & Math or Science or Engineering Elective \\
\hline EEE 460: Nuclear Power Engineering & AEE Upper Division Elective \\
\hline EEE 463: Electrical Power Plants & BIO Upper Division Elective \\
\hline EEE 465: Photovoltaic Energy Conversion & BME Upper Division Elective \\
\hline EEE 470: Electric Power Devices & CEE Upper Division Elective \\
\hline EEE 471: Power System Analysis & CHE Upper Division Elective \\
\hline \multirow[t]{2}{*}{EEE 472: Power Electronics and Power Management} & CHM Upper Division Elective \\
\hline & CPI Upper Division Elective \\
\hline \multirow[t]{8}{*}{EEE 473: Electrical Machinery} & CSE Upper Division Elective \\
\hline & FSE Upper Division Elective \\
\hline & IEE Upper Division Elective \\
\hline & MAE Upper Division Elective \\
\hline & MAT Upper Division Elective \\
\hline & MSE Upper Division Elective \\
\hline & PHY Upper Division Elective \\
\hline & Upper Division Technical Elective \\
\hline
\end{tabular}

EEE 333: Hardware Design Languages and
Programmable Logic
EEE 335: Analog and Digital Circuits
EEE 341: Engineering Electromagnetics
EEE 352: Properties of Electronic Materials

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Electrical Engineering (Electric Power and Energy Systems), BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Online
ESEEEPBSE
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-6 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. MAT 265: Calculus for Engineers I (MA) & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
- If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See Advisor.
\end{tabular}} \\
\hline ASU 101-EEE: The ASU Experience & 1 & & \\
\hline FSE 100: Introduction to Engineering & 2 & & \\
\hline Term hours subtotal: & 6 & ................. & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 6-12 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline 4. MAT 266: Calculus for Engineers II (MA) & 3 & C & - View ASU Online first-time freshmen \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
registration information here. \\
- Prep for success using the Freshman Guide
\end{tabular} \\
\hline \multicolumn{2}{|l|}{} &  & \begin{tabular}{l}
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular} \\
\hline Term 2-A 12-20 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline (1. PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline (1) PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 8} & \\
\hline Term 2-B 20-26 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator
\end{tabular} \\
\hline MAT 267: Calculus for Engineers III (MA) & 3 & C & \\
\hline \multicolumn{4}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{4}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-A 26-33 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C \\
\hline PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline Term hours subtotal: & 7 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 33-39 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours \({ }^{\text {M }}\) & Minimum Grade & Notes \\
\hline CSE 100: Principles of Programming with C++ (CS) & 3 & & \multirow{6}{*}{\begin{tabular}{l}
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\end{tabular}} \\
\hline MAT 275: Modern Differential Equations (MA) & 3 & C & \\
\hline \multicolumn{3}{|l|}{Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{(1) Minimum 2.00 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-A 39-46 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4 EEE 202: Circuits I & 4 & & \\
\hline \begin{tabular}{l}
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & . 3 & & \\
\hline Term hours subtotal: & : 7 & & \\
\hline Term 4-B 46-52 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \% EEE 241: Fundamentals of Electromagnetics & \multicolumn{2}{|l|}{3} & \multirow[t]{3}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline MAT 343: Applied Linear Algebra & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 5-A 52-58 Credit Hours & Hours & Minimum Grade & Notes \\
\hline PHY 241: University Physics III & 3 & C & \\
\hline \multicolumn{3}{|l|}{Social-Behavioral Sciences (SB) AND Global Awareness (G) 3} & \\
\hline Term hours subtotal: & : 6 & & \\
\hline Term 5-B 58-65 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline EEE 203: Signals and Systems I & \multicolumn{2}{|r|}{3} & \multirow[t]{3}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline 3 EEE 334: Circuits II & \multicolumn{2}{|l|}{4} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \\
\hline Term 6-A 65-72 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{EEE 350: Random Signal Analysis 3} & \\
\hline \multicolumn{3}{|l|}{EEE 360: Energy Systems and Power Electronics} & \\
\hline Term hours subtotal: & : 7 & & \\
\hline Term 6-B 72-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

EEE 230: Computer Organization and Assembly Language Programming

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 78-85 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Area Pathway Course & 4 & & \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 7-B 85-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Area Pathway Course & 4 & & - Plan for success using the Senior Guide \\
\hline Upper Division Power Technical Elective & 3 & & - Use Handshake to apply for full-time \\
\hline Term hours subtotal: & 7 & & \begin{tabular}{l}
positions. \\
- Complete an in-person or virtual practice interview.
\end{tabular} \\
\hline Term 8-A 92-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EEE 488: Senior Design Laboratory I (L) & 3 & & \\
\hline Upper Division Area Pathway Course & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 8-B 99-105 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Math or Science or Engineering Elective & 3 & & \\
\hline Upper Division Power Technical Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 105-111 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline WEEE 489: Senior Design Laboratory II (L) & 3 & & \\
\hline Upper Division Power Technical Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B111-117 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Technical Elective & 3 & & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 10-A 117-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Technical Elective & 3 & & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|}
\hline EEE 404: Real-Time DSP Systems \\
\hline EEE 407: Digital Signal Processing \\
\hline EEE 425: Digital Systems and Circuits \\
\hline EEE 433: Analog Integrated Circuits \\
\hline EEE 434: Quantum Mechanics for Engineers \\
\hline EEE 435: Fundamentals of CMOS and MEMS \\
\hline EEE 436: Fundamentals of Solid-State Devices \\
\hline EEE 439: Semiconductor Facilities and Cleanroom Practices \\
\hline EEE 443: Antennas for Wireless Communications \\
\hline EEE 445: Microwaves \\
\hline EEE 448: Fiber Optics \\
\hline EEE 455: Communication Systems \\
\hline EEE 459: Communication Networks \\
\hline EEE 460: Nuclear Power Engineering \\
\hline EEE 463: Electrical Power Plants \\
\hline EEE 465: Photovoltaic Energy Conversion \\
\hline EEE 470: Electric Power Devices \\
\hline EEE 471: Power System Analysis \\
\hline EEE 472: Power Electronics and Power Management \\
\hline EEE 473: Electrical Machinery \\
\hline EEE 480: Feedback Systems \\
\hline EEE 481: Computer-Controlled Systems \\
\hline EEE 498: Constructionist Approach to Microprocessor Design \\
\hline EEE 498: Manufacturing Science of Solar Cells \\
\hline EEE 498: Networking for Big Data \\
\hline EEE 498: Science and Technology of Solar Cell Fabrication \\
\hline Area Pathway Course \\
\hline EEE 304: Signals and Systems II \\
\hline EEE 333: Hardware Design Languages and Programmable Logic \\
\hline EEE 335: Analog and Digital Circuits \\
\hline
\end{tabular}

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSEGRBSE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) ASU 101-TPS: The ASU Experience & \multicolumn{2}{|l|}{1} & \multirow[b]{3}{*}{\begin{tabular}{l}
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students. \\
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
\end{tabular}} \\
\hline (4) EGR 101: Foundations of Engineering Design Project I & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 265: Calculus for Engineers I (MA) & 3 & C & - Mathematics Placement Assessment score \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \begin{tabular}{l}
determines placement in mathematics course \\
- Students must choose a concentration from the
\end{tabular} \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \begin{tabular}{l}
following areas: Automotive Systems, \\
Electrical Systems, Mechanical Engineering, or \\
Robotics. Upon choosing a concentration,
\end{tabular} \\
\hline Term hours subtotal: & 16 & & \begin{tabular}{l}
students will be moved into that appropriate degree program. \\
- Prep for success using the Freshman Guide. \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) EGR 102: Foundations of Engineering Design Project II & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program. \\
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline EGR 104: Critical Inquiry in Engineering (L) & 3 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C & \\
\hline MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline (1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline \multicolumn{3}{|l|}{(4) Complete MAT 265 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 332-48 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) EGR 201: Use-Inspired Design Project I & 3 & C & \multirow[b]{5}{*}{- Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering, or Robotics. Upon choosing a concentration, students will be moved into that appropriate degree program.} \\
\hline EGR 216: Engineering Electrical Fundamentals & 3 & C & \\
\hline EGR 218: Materials and Manufacturing Processes & 3 & C & \\
\hline MAT 267: Calculus for Engineers III (MA) & 3 & C & \\
\hline PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline PHY 122: University Physics Laboratory I (SQ) & 1 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\end{tabular}} \\
\hline \multicolumn{3}{|l|}{(4) Complete MAT 266 course(s).} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline tal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. EGR 202: Use-Inspired Design Project II & 3 & C & m \\
\hline EGR 217: Engineering Mechanics Fundamentals & 3 & C & following areas: Automotive Systems, \\
\hline EGR 219: Computational Modeling of Engineering Systems & 3 & C & Electrical Systems, Mechanical Engineering, or \\
\hline EGR 280: Engineering Statistics (CS) & 3 & C & Robotics. Upon choosing a concentration, students will be moved into that appropriate \\
\hline MAT 275: Modern Differential Equations (MA) & 3 & C & degree program. \\
\hline 4. Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s). & & & \begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular} \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

\author{
Total Hours: 63 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}
- Students must choose a concentration from the following areas: Automotive Systems, Electrical Systems, Mechanical Engineering, or Robotics. Upon choosing a concentration, tudents will be moved into that appropriate
- Pursue an undergraduate research experience.

Attend career fairs and events.

Complete MAT 267 course(s).
Milestone: Selection of Engineering concentration
Term hours subtotal: 15

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Engineering (Automotive Systems), BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSEGRASBSE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Term hours subtotal:
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students.
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline 4 EGR 102: Foundations of Engineering Design Project II & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C & \\
\hline EGR 104: Critical Inquiry in Engineering (L) & 3 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline 1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline
\end{tabular}

Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1.1 EGR 201: Use-Inspired Design Project I & 3 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\end{tabular}} \\
\hline EGR 216: Engineering Electrical Fundamentals & 3 & C & \\
\hline EGR 218: Materials and Manufacturing Processes & 3 & C & \\
\hline MAT 267: Calculus for Engineers III (MA) & 3 & & \\
\hline PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline 4. Complete MAT 266 course(s). & & & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. EGR 202: Use-Inspired Design Project II & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline EGR 217: Engineering Mechanics Fundamentals & 3 & C \\
\hline EGR 219: Computational Modeling of Engineering Systems & 3 & C \\
\hline EGR 280: Engineering Statistics (CS) & 3 & C \\
\hline MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline
\end{tabular}

Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s).

Complete MAT 267 course(s).
\[
\text { Term hours subtotal: } 15
\]
\begin{tabular}{|c|c|c|}
\hline Term 563-75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline EGR 306: Automotive Systems Project I & 3 & C \\
\hline EGR 340: Engineering Thermo-Fluids I & 3 & C \\
\hline I PHY 321: Vector Mechanics and Vibration & \multicolumn{2}{|l|}{3} \\
\hline Secondary Focus Area & \multicolumn{2}{|l|}{3} \\
\hline Term hours subtot & 12 & \\
\hline
\end{tabular}
- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.
- Students are encouraged to enroll in EGR 394: Intro to Concepts in Automotive Engineering as part of the secondary focus.
- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.
- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.
\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § EGR 316: Automotive Systems Project II & 3 & C & \multirow[b]{7}{*}{\begin{tabular}{l}
- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area. \\
- Research and prepare for graduate school. \\
- Apply for an engineering 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline EGR 363: Automotive Powertrains and Thermal Systems & 3 & C & \\
\hline HST 318: History of Engineering ((L or SB) \& G) & 3 & & \\
\hline MAT 343: Applied Linear Algebra & 3 & & \\
\hline Secondary Focus Area & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 790 \text { - 105 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{l} 
Notes
\end{tabular}
\(\left.\begin{array}{l}\text { Term } 8 \text { 105-120 Credit Hours Necessary course signified by } \\ \text { Hours } \\ \text { Minimum } \\ \text { Grade }\end{array}\right]\)

Hide Course List(s)/Track Group(s)

\section*{Science Elective}

BIO 181: General Biology I (SQ)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)

GLG 103: Introduction to Geology
I-Laboratory (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)

PHY 132: University Physics Laboratory II (SQ)
- A secondary focus area is a group of courses mprising of 12 or more credit hours (at least form a coherent theme. For example, all courses may share a common subject prefix. specialist to identify their secondary focus area.
Hide Course List(s)/Track Group(s)
Science Elective
BIO 181: General Biology I (SQ)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical)
(SQ)
GLG 103: Introduction to Geology
I-Laboratory (SQ)
PHY 131: University Physics II: Electricity
and Magnetism (SQ)
PHY 132: University Physics Laboratory II
(SQ)

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Engineering (Electrical Systems), BSE

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Location: Polytechnic campus
TSEGRESBSE

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\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
1. ASU 101-TPS: The ASU Experience

1
1. EGR 101: Foundations of Engineering Design Project I \(\quad 3\)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3 ENG 107 or ENG 108: First-Year Composition

MAT 265: Calculus for Engineers I (MA) 3

C
Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

Term hours subtotal
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students.
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.

\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 EGR 201: Use-Inspired Design Project I & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\end{tabular}} \\
\hline EGR 216: Engineering Electrical Fundamentals & 3 & C & \\
\hline EGR 218: Materials and Manufacturing Processes & 3 & C & \\
\hline MAT 267: Calculus for Engineers III (MA) & 3 & & \\
\hline PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline \multicolumn{3}{|l|}{4. Complete MAT 266 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. EGR 202: Use-Inspired Design Project II & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline EGR 217: Engineering Mechanics Fundamentals & 3 & C \\
\hline EGR 219: Computational Modeling of Engineering Systems & 3 & C \\
\hline EGR 280: Engineering Statistics (CS) & 3 & C \\
\hline MAT 275: Modern Differential Equations (MA) & 3 & \\
\hline
\end{tabular}
(1. Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s).

Complete MAT 267 course(s).
Term hours subtotal: 15
Term 5 63-78 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline EGR 314: Embedded Systems Design Project II & 3 & C \\
\hline 2 EGR 338: Microcontrollers in Smart Systems & 3 & \\
\hline HST 318: History of Engineering ((L or SB) \& G) & 3 & \\
\hline MAT 343: Applied Linear Algebra & 3 & \\
\hline Secondary Focus Area & 3 & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} \\
\hline Term hours subtotal: & 15 & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline § EGR 401: Professional Design Project I (L) & 3 & C \\
\hline \multicolumn{3}{|l|}{EGR 430: Design, Fabrication, and Architecture of Electronic Devices} \\
\hline Upper Division Secondary Focus Area & 3 & \\
\hline Science Elective & 3 & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global
Awareness (G) AND Historical Awareness (H) course(s).
Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline EGR 314: Embedded Systems Design Project II & 3 & C \\
\hline EGR 338: Microcontrollers in Smart Systems & 3 & \\
\hline HST 318: History of Engineering ((L or SB) \& G) & 3 & \\
\hline MAT 343: Applied Linear Algebra & 3 & \\
\hline Secondary Focus Area & 3 & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} \\
\hline Term hours subtotal: & 15 & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline § EGR 401: Professional Design Project I (L) & 3 & C \\
\hline \multicolumn{3}{|l|}{EGR 430: Design, Fabrication, and Architecture of Electronic Devices} \\
\hline Upper Division Secondary Focus Area & 3 & \\
\hline Science Elective & 3 & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.
- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.
- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.
- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.
- Research and prepare for graduate school.
- Apply for an engineering 4+1 program.
- Develop a professional profile online.
- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.
- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in-person or virtual practice interview.
\begin{tabular}{|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline EGR 402: Professional Design Project II & 3 & \\
\hline EGR 431: Power Management OR EGR 476: Microgrid Design and Operation & 3 & C \\
\hline Upper Division Secondary Focus Area & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Term hours subto & 12 & \\
\hline
\end{tabular}

Science Elective
BIO 181: General Biology I (SQ)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)

GLG 103: Introduction to Geology
I-Laboratory (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)

PHY 132: University Physics Laboratory II (SQ)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Engineering (Mechanical Engineering Systems), BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSEGRMEBSE


Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline  & 3 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\end{tabular}} \\
\hline EGR 216: Engineering Electrical Fundamentals & 3 & C & \\
\hline EGR 218: Materials and Manufacturing Processes & 3 & C & \\
\hline MAT 267: Calculus for Engineers III (MA) & 3 & & \\
\hline PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline 4 Complete MAT 266 course(s). & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. EGR 202: Use-Inspired Design Project II & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline EGR 217: Engineering Mechanics Fundamentals & 3 & C \\
\hline EGR 219: Computational Modeling of Engineering Systems & 3 & C \\
\hline EGR 280: Engineering Statistics (CS) & 3 & C \\
\hline MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline
\end{tabular}
. Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s).
(7) Complete MAT 267 course(s).

Term hours subtotal: 15
\begin{tabular}{|c|c|c|}
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline EGR 303: Mechanical Systems Project I & 3 & C \\
\hline EGR 340: Engineering Thermo-Fluids I & 3 & C \\
\hline PHY 321: Vector Mechanics and Vibration & 3 & C \\
\hline Secondary Focus Area & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Term hours subt & 15 & \\
\hline
\end{tabular}
Term 6 78 93 Credit Hours Necessary course signified by
Term 6 78 93 Credit Hours Necessary course signified by
- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.
- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper-division level) which form a coherent theme.
- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.
Term 8 108-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

\section*{Notes}
- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.

Science Elective
BIO 181: General Biology I (SQ)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)

GLG 103: Introduction to Geology
I-Laboratory (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)

PHY 132: University Physics Laboratory II (SQ)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Engineering (Robotics), BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSEGRRBSE

```
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
4. ASU 101-TPS: The ASU Experience
1. EGR 101: Foundations of Engineering Design Project I 3 C

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3 ENG 107 or ENG 108: First-Year Composition

MAT 265: Calculus for Engineers I (MA) 3

C
Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

Term hours subtotal
16
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students.
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.
Term 2 16-32 Credit Hours Critical course signified by 4. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline  & 3 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\end{tabular}} \\
\hline EGR 216: Engineering Electrical Fundamentals & 3 & C & \\
\hline EGR 218: Materials and Manufacturing Processes & 3 & C & \\
\hline MAT 267: Calculus for Engineers III (MA) & 3 & & \\
\hline PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline 4. Complete MAT 266 course(s). & & & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 EGR 202: Use-Inspired Design Project II & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline EGR 217: Engineering Mechanics Fundamentals & 3 & C \\
\hline EGR 219: Computational Modeling of Engineering Systems & 3 & C \\
\hline EGR 280: Engineering Statistics (CS) & 3 & C \\
\hline MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline
\end{tabular}
. Complete EGR 216 AND EGR 217 AND EGR 218 AND EGR 219 course(s).

Complete MAT 267 course(s).
Term hours subtotal: 15
\(\begin{array}{l}\text { Term } 5 \text { 63-78 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.
\begin{tabular}{|c|c|c|}
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline EGR 314: Embedded Systems Design Project II & 3 & C \\
\hline W EGR 456: Robotic Systems II & 3 & \\
\hline MAT 343: Applied Linear Algebra & 3 & \\
\hline Secondary Focus Area & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline EGR 334: Analog-Digital Interface OR EGR 444: Engineering Design & 3 & \\
\hline 3 EGR 401: Professional Design Project I (L) & 3 & C \\
\hline Upper Division Secondary Focus Area & 3 & \\
\hline Science Elective & 3 & \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W EGR 402: Professional Design Project II & 3 & \\
\hline EGR 433: Transforms and Systems Modeling & 3 & \\
\hline HST 318: History of Engineering ((L or SB) \& G) & 3 & \\
\hline Upper Division Secondary Focus Area & 3 & \\
\hline
\end{tabular}Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).
}

Hide Course List(s)/Track Group(s)
Science Elective

BIO 181: General Biology I (SQ)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)

GLG 103: Introduction to Geology
I-Laboratory (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

PHY 132: University Physics Laboratory II (SQ)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESEMGBSE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) MAT 265: Calculus for Engineers I (MA) & 3 & C & \multirow[b]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all students \\
- If ENG 105 is taken, a 3 credit hour elective must also be taken prior to graduation. \\
- Students taking CHM 113 for Basic Science Elective need to earn a "C" minimum grade and complete CHM 116 for the degree. \\
- Prep for success using the Freshman Guide. \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular}} \\
\hline ASU 101-IEE: The ASU Experience & 1 & & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \\
\hline FSE 100: Introduction to Engineering & 2 & C & \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline Basic Science Elective & 3-4 & & \\
\hline \multicolumn{3}{|l|}{(1) Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 15-16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 215-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) CSE 110: Principles of Programming with Java (CS) & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline (4) MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \\
\hline PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline (4) Complete ENG 101 OR ENG 105 OR ENG 107. & & & \\
\hline
\end{tabular}

Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 331-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4. CSE 205: Object-Oriented Programming and Data Structures (CS) & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- Students with credit for CHM 113 must take CHM 116. \\
- Please note that COM 263 in term 4 requires a minimum 2.25 GPA as a prerequisite. \\
- Prep for success using the Sophomore Guide.
\end{tabular}} \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline IEE 456: Introduction to Systems Engineering & 3 & C \\
\hline Upper Division Industry Focus Area Elective & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & \\
\hline Term hours subtotal: & 12 & \\
\hline
\end{tabular}
- Contact CIDSE Advising or visit the CIDSE website for additional information about Math or Science electives, Engineering Management Industry Focus Area Electives, or IEE Technical Elective courses (see Career Focus Area for details).

For Industry Focus Area Electives, please note that some courses are sequential and may be only offered in the Fall or Spring semester. Also, some courses may require additional prerequisites.
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Basic Science Elective & Global \\
\hline \multicolumn{2}{|l|}{BIO 181: General Biology I (SQ) Engineering/Sustainability/Entrepreneursh} \\
\hline BIO 182: General Biology II (SG) & ALA 102: Landscapes and Sustainability (HU \& G) \\
\hline BIO 201: Human Anatomy and Physiology I
(SG) & CEE 181: Technological, Social, and Sustainable Systems (HU) \\
\hline BIO 202: Human Anatomy and Physiology II (SG) & FSE 150: Perspectives in Grand Challenges for Engineering (SB) \\
\hline BME 111: Engineering Perspectives on Biological Systems & FSE 301: Entrepreneurship and Value Creation \\
\hline CHM 113: General Chemistry I (SQ) & \multirow[t]{2}{*}{PUP 190: Sustainable Cities ((HU or SB) \& G)} \\
\hline GLG 101: Introduction to Geology I & \\
\hline (Physical) (SQ) & SES 106: Habitable Worlds (SQ) \\
\hline GLG 102: Introduction to Geology II (Historical) (SG \& H) & SOS 100: Introduction to Sustainability (G) \\
\hline GLG 110: Dangerous World (SG \& G) & SOS 110: Sustainable World (SB) \\
\hline PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & SOS 111: Sustainable Cities ((HU or SB) \& G) \\
\hline Industry Focus Area Elective (Communication and Networks Industry) & Industry Focus Area Elective (Electronics and Semiconductor Industry) \\
\hline EEE 202: Circuits I & EEE 202: Circuits I \\
\hline EEE 203: Signals and Systems I & EEE 241: Fundamentals of Electromagnetics \\
\hline EEE 350: Random Signal Analysis & EEE 352: Properties of Electronic Materials \\
\hline EEE 455: Communication Systems & EEE 434: Quantum Mechanics for Engineers \\
\hline EEE 459: Communication Networks & EEE 435: Fundamentals of CMOS and MEMS \\
\hline Math or Science Elective (Communication and Networks industry) & EEE 436: Fundamentals of Solid-State Devices \\
\hline MAT 275: Modern Differential Equations (MA) & EEE 439: Semiconductor Facilities and Cleanroom Practices \\
\hline
\end{tabular}

Industry Focus Area Elective (Business Analytics Industry)

IEE 376: Operations Research Deterministic Techniques/Applications

IEE 385: Engineering Statistics: Probability
IEE 3** Elective
IEE 461: Production Control
IEE 474: Quality Control
IEE 4** Elective
Math or Science Elective (Business Analytics Industry)

MAT 275: Modern Differential Equations (MA)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

Industry Focus Area Elective (Mechanical Systems Industry)

\section*{Required Courses}

MAE 201: Mechanics of Particles and Rigid Bodies I: Statics

MAE 241: Introduction to Thermodynamics
Elective Choices
MAE 384: Advanced Mathematical Methods for Engineers (CS)

MEE 340: Heat Transfer
MEE 434: Internal Combustion Engines
PHY 131: University Physics II: Electricity
and Magnetism (SQ) \begin{tabular}{l} 
Math or Science Elective (Electronics and \\
Semiconductor Industry)
\end{tabular}\(\quad\) MEE 482: Intermediate Thermodynamics and Magnetism (SQ)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Economics, BS}

School/College: W. P. Carey School of Business
Location:
BAECNBS
and
Engineering
Management,
BSE
Ira A. Fulton Schools of Engineering ESEMGBSE

In order to complete this concurrent degree in four years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.
\begin{tabular}{|c|c|c|}
\hline Term 10-18 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade \\
\hline 4 CSE 110: Principles of Programming with Java (CS) & 3 & C \\
\hline 1. MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-IEE: The ASU Experience OR WPC 101: Student Success in Business & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline FSE 100: Introduction to Engineering & 2 & C \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C \\
\hline Basic Science Elective & 3-4 & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

\begin{tabular}{|l|l|l|l|l|}
\hline Summer 2 Session 134.25-40.25 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline ECN 312: Intermediate Microeconomic Theory (SB) & 3 & C & - Attend Career Fairs \\
\hline IEE 300: Economic Analysis for Engineers & 3 & C & \begin{tabular}{l}
- Apply for internships or create one \\
- Complete informational interviews
\end{tabular} \\
\hline IEE 376: Operations Research Deterministic Techniques/Applications & 3 & C & \\
\hline IEE 385: Engineering Statistics: Probability & 3 & C & \\
\hline IEE 431: Engineering Administration (L) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Term hours subtotal: & 15.25 & & \\
\hline Term 6 106.75-123.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ECN 313: Intermediate Macroeconomic Theory (SB) & 3 & C \\
\hline IEE 477: System Dynamics and Thinking & 3 & C \\
\hline IEE 320: Extreme Excel & 1 & C \\
\hline IEE 321: Ethics and Technical Communication & 1 & C \\
\hline IEE 369: Work Analysis and Design (L) & 3 & C \\
\hline IEE 381: Lean Six Sigma Methodology & 3 & C \\
\hline IEE 458: Project Management & 3 & C \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & \\
\hline
\end{tabular}
\[
\text { Term hours subtotal: } \quad 17
\]
\begin{tabular}{|c|c|c|c|}
\hline Summer 6 Session 1123.75-129.75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 3 SCM 300: Global Supply Operations & 3 & C & \multirow[t]{3}{*}{- 3 credit hours maximum of ECN 484 and ECN 499 can be taken.} \\
\hline \begin{tabular}{l}
ECN 306: Survey of International Economics (SB \& G) OR ECN 360: \\
Economic Development (SB \& G) OR ECN 436: International Trade Theory (SB \& G) OR ECN 438: International Monetary Economics (SB \& G)
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Summer 6 Session 2 129.75-133.00 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline MAT 275: Modern Differential Equations (MA) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C & \\
\hline WPC Career Preparation Course & 0.25 & & \\
\hline Term hours subtotal: & 3.25 & & \\
\hline Term 7 133.00-151.00 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics & 3 & C \\
\hline ECN 4** Elective & 3 & C \\
\hline IEE 454: Risk Management & 3 & C \\
\hline \% IEE 485: Systems Design Capstone I (L) & 3 & C \\
\hline IEE 412: Introduction to Financial Engineering & 3 & C \\
\hline IEE 474: Quality Control & 3 & C \\
\hline Term hours subtotal: & 18 & \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l}
\hline Term 8 151.00-169.00 Credit Hours Necessary course signified by & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline W ECN 475: Capstone in Economics (L) & 3 & C \\
\hline W IEE 456: Introduction to Systems Engineering & 3 & C \\
\hline IEE 486: Systems Design Capstone II (L) & 3 & C \\
\hline WPC 480: W. P. Carey Capstone Course (L) & 3 & C \\
\hline ECN 4** Elective & 3 & C \\
\hline IEE 461: Production Control & 3 & C \\
\hline & 18 & \\
\hline
\end{tabular}
- 3 credit hours maximum of ECN 484 and ECN 499 can be taken.
- Apply forfull-time career opportunities

Hide Course List(s)/Track Group(s)

WPC Career Preparation Courses ( 1 credit hr total)

WPC 148: Freshman Career Preparation
WPC 248: Sophomore Career Preparation

WPC 348: Junior Career Preparation

WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

WPC Career Preparation Courses - Transfer Student Track ( 1 credit hr total)

WPC 347: Intermediate Career Preparation WPC 348: Junior Career Preparation WPC 448: Intensive Career Preparation or WPC 449: Campus to Career

Basic Science Elective- select one course (34 credit hours)

BIO 181: General Biology I (SQ)
BIO 182: General Biology II (SG)
BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

BME 111: Engineering Perspectives on Biological Systems

CHM 113: General Chemistry I (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)

GLG 102: Introduction to Geology II (Historical) (SG \& H)

GLG 110: Dangerous World (SG \& G)
PHY 111: General Physics (SQ) AND PHY
113: General Physics Laboratory (SQ)

\section*{Global}

Engineering/Sustainability/Entrepreneurship Track- select one course ( 3-4 credit hours)

ALA 102: Landscapes and Sustainability (HU \& G)

CEE 181: Technological, Social, and Sustainable Systems (HU)

FSE 301: Entrepreneurship and Value Creation PUP 190: Sustainable Cities ((HU or SB) \& G) or SOS 111: Sustainable Cities ((HU or SB) \& G)

SES 106: Habitable Worlds (SQ)
SOS 110: Sustainable World (SB)

Total Hours: 169.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Engineering Management, BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Online
ESEMGBSE

```
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-6 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

- An SAT, ACT, Accuplacer, TOEFL, or IELTS score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all students
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.


Term 3-B 30-37 Credit Hours
Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-A 37-43 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ACC 241: Uses of Accounting Information II & 3 & C & \\
\hline Math or Science Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 43-49 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. ECN 212: Microeconomic Principles (SB) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline Math or Science Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ACC 231: Uses of Accounting Information I & 3 & C \\
\hline PHY 121: University Physics I: Mechanics (SQ) & 3 & C \\
\hline PHY 122: University Physics Laboratory I (SQ) & 1 & C \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline Term hours subtotal: & 7 & \\
\hline
\end{tabular}
- Prep for success using the Sophomore Guide.
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 49-56 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MAT 242: Elementary Linear Algebra & 2 & C & \\
\hline CHM 114: General Chemistry for Engineers (SQ) & 4 & & \\
\hline IEE 320: Extreme Excel & 1 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-B 56-62 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline IEE 380: Probability and Statistics for Engineering Problem Solving (CS) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Please note that in term 5B, COM 263 requires a minimum cumulative 2.25 GPA to register. \\
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline COM 263: Elements of Intercultural Communication (SB \& C \& G) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 6-A 62-68 Credit Hours & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline MGT 300: Organization and Management Leadership & 3 & C & \\
\hline Global Engineering/Sustainability/Entrepreneurship & 3-4 & & \\
\hline Term hours subtotal: & 6-7 & & \\
\hline Term 6-B 68-74 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline IEE 431: Engineering Administration (L) & 3 & C & - Research and prepare for graduate school \\
\hline IEE 381: Lean Six Sigma Methodology & 3 & C & \\
\hline Term hours subtotal: & 6 & & \begin{tabular}{l}
- Apply for an engineering 4+1 program. \\
- Develop a professional profile online.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 74-80 Credit Hours & Hours & Minimum Grade & Notes \\
\hline IEE 300: Economic Analysis for Engineers & 3 & C & \\
\hline Industry Focus Area Elective & 3 & C & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline IEE 321: Ethics and Technical Communication & 1 & C \\
\hline IEE 369: Work Analysis and Design (L) & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}

Term hours subtotal:
\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ITEE 458: Project Management & 3 & C & \\
\hline Upper Division Industry Focus Area Elective & 3 & C & \\
\hline Term hours subto & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-B 93-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline IEE 454: Risk Management & 3 & C & \\
\hline Upper Division Industry Focus Area Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline IEE 456: Introduction to Systems Engineering & 3 & C & \\
\hline Upper Division Industry Focus Area Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 9-B 105-111 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Industry Focus Area Elective & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline IEE 485: Systems Design Capstone I (L) & 3 & C & \\
\hline IEE 477: System Dynamics and Thinking & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \(\hat{\$}\) IEE 486: Systems Design Capstone II (L) & 3 & C & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}
- Major maps are built based on full-time enrollment, but can be adjusted as necessary for part-time attendance.
\begin{tabular}{|c|}
\hline Basic Science Elective \\
\hline BIO 181: General Biology I (SQ) \\
\hline BIO 182: General Biology II (SG) \\
\hline BIO 201: Human Anatomy and Physiology I
(SG) \\
\hline BIO 202: Human Anatomy and Physiology II
(SG) \\
\hline GLG 101: Introduction to Geology I (Physical) (SQ) \\
\hline \begin{tabular}{l}
PHY 111: General Physics (SQ) AND PHY \\
113: General Physics Laboratory (SQ)
\end{tabular} \\
\hline Industry Focus Area (Software Engineering Web and Mobile Applications) \\
\hline Required courses: \\
\hline SER 222: Design and Analysis of Data Structures and Algorithms \\
\hline SER 321: Principles of Distributed Software Systems \\
\hline SER 322: Principles of Database Management \\
\hline SER 334: Operating Systems and Networks \\
\hline SER 421: Web-Based Applications and Mobile Systems or SER 422: Web Application Programming or SER 423: Mobile Systems \\
\hline Math or Science Elective (Software Engineering Web and Mobile Applications) \\
\hline CSE 230: Computer Organization and Assembly Language Programming \\
\hline MAT 243: Discrete Mathematical Structures \\
\hline
\end{tabular}
Global
Engineering/Sustainability/Entrepreneurship
FSE 301: Entrepreneurship and Value
Creation
PUP 190: Sustainable Cities ((HU or SB) \&
G)
SES 106: Habitable Worlds (SQ)
SOS 100: Introduction to Sustainability (G)
SOS 110: Sustainable World (SB)
SOS 111: Sustainable Cities ((HU or SB) \&
G)

Industry Focus Area (Business Analytics)
Required courses:
IEE 376: Operations Research Deterministic
Techniques/Applications
IEE 385: Engineering Statistics: Probability
IEE 3** Elective
IEE 461: Production Control
IEE 474: Quality Control
IEE 4** Elective

Math or Science Elective (Business Analytics Industry)

MAT 275: Modern Differential Equations (MA)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

Industry Focus Area (Software Engineering Web and Mobile Applications)

Required courses:

SER 222: Design and Analysis of Data Structures and Algorithms

SER 321: Principles of Distributed Software Systems

SER 322: Principles of Database Management

SER 334: Operating Systems and Networks

SER 421: Web-Based Applications and Mobile Systems or SER 422: Web Application

Math or Science Elective (Software Engineering Web and Mobile Applications)

CSE 230: Computer Organization and MAT 243: Discrete Mathematical Structures

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Environmental Engineering, BSE}

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESEVEBSE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline FSE 100: Introduction to Engineering & 2 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students. \\
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- Prep for success using the Freshman Guide. \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular}} \\
\hline MAT 265: Calculus for Engineers I (MA) & 3 & C & \\
\hline ASU 101-CEE: The ASU Experience & 1 & & \\
\hline CHM 113: General Chemistry I (SQ) & 4 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline \multicolumn{3}{|l|}{Minimum 2.00 GPA ASU Cumulative.} & \\
\hline
\end{tabular}


\begin{tabular}{|c|c|c|c|}
\hline 4. MAT 267: Calculus for Engineers III (MA) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline CHE 211: Introduction to Chemical Processing & 3 & C & \\
\hline EVE 214: Environmental Engineering Mechanics & 3 & C & \\
\hline EVE 302: Environmental Engineering Fundamentals: Physical and Chemical Processes & 3 & & \\
\hline GLG 101: Introduction to Geology I (Physical) (SQ) OR GLG 108: Water Planet (SQ) OR GLG 110: Dangerous World (SG \& G) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EVE 303: Environmental Engineering Fundamentals: Biological Processes & 3 & & \multirow[t]{6}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline CEE 213: Introduction to Deformable Solids & 3 & C & \\
\hline CEE 300: Engineering Business Practice (L) & 3 & & \\
\hline CEE 384: Numerical Methods for Engineers (CS) & 3 & & \\
\hline IEE 380: Probability and Statistics for Engineering Problem Solving (CS) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 677-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CEE 341: Fluid Mechanics for Civil Engineers & 4 & & \multirow[t]{6}{*}{\begin{tabular}{l}
- Research and prepare for graduate school. \\
- Apply for a Fulton Schools 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline CEE 353: Civil Engineering Materials & 4 & & \\
\hline EVE 304: Environmental Engineering Processes Lab & 2 & & \\
\hline EVE 452: Fundamentals of Geoenvironmental Engineering & 3 & & \\
\hline Technical Elective & 1 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Summer 691-92 Credit Hours & Hours & Minimum Grade & Notes \\
\hline EVE 484: Internship & 1 & C & \\
\hline Term hours subtotal: & 1 & & \\
\hline Term 792-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CEE 467: Environmental Microbiology & 3 & & \multirow[t]{7}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or virtual practice interview.
\end{tabular}} \\
\hline CEE 400: Earth Systems Engineering and Management ((L or HU) \& H) & 3 & & \\
\hline CEE 440: Hydrology & 3 & & \\
\hline CEE 462: Unit Operations in Environmental Engineering & 3 & & \\
\hline Technical Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 8107-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W CEE 486: Integrated Civil Engineering Design (L) & 4 & & \\
\hline CEE 441: Water Resources Engineering & 3 & & \\
\hline ERM 401: Hazardous Waste Management & 3 & & \\
\hline
\end{tabular}



Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Environmental and Resource Management, BS
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSETMBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline ASU 101-TPS: The ASU Experience & 1 \\
\hline CHM 113: General Chemistry I (SQ) & 4 C \\
\hline \multicolumn{2}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 C \\
\hline \multicolumn{2}{|l|}{ENG 107 or ENG 108: First-Year Composition} \\
\hline MAT 210: Brief Calculus (MA) & 3 C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 \\
\hline Term hours subtotal: & 14 \\
\hline
\end{tabular}
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students.
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) ERM 191: First-Year Seminar & 1 & & \multirow{7}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline BIO 181: General Biology I (SQ) & 4 & C & \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Social-Behavioral Sciences (SB) ( HSE 101 recommended) & 3 & & \\
\hline (4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3-44 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) ERM 201: Environmental Management & 3 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\end{tabular}} \\
\hline CHM 231: Elementary Organic Chemistry (SQ) & 3 & C & \\
\hline HSE 230: Statistics for Human Systems Research I (CS) OR STP 226: Elements of Statistics (CS) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \multicolumn{3}{|l|}{(1) Complete BIO 181 course(s).} & \\
\hline \multicolumn{3}{|l|}{(1) Complete CHM 113 course(s).} & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}


Term hours subtotal:
\begin{tabular}{|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hour \\
\hline ERM 407: Occupational Hygiene & 3 \\
\hline ERM 432: Sustainable Solid Waste Management & 3 \\
\hline ERM Upper Division Elective & 3 \\
\hline Technical Elective & 3 \\
\hline Upper Division Literacy and Critical Inquiry (L) ( TWC 446 recommended) & 3 \\
\hline
\end{tabular}
Term 6 75-90 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|}
\hline ERM 402: Unit Treatment Technologies & 3 & C \\
\hline ERM 428: International Environmental Management (G) & 3 & \\
\hline ERM OR ABS OR SOS Upper Division Elective & 3 & \\
\hline Technical Elective & 3 & \\
\hline Elective OR ERM 484: Internship & 3 & \\
\hline
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline ERM 480: Senior Project & 3 & C \\
\hline ERM 406: Environmental Chemistry & 3 & C \\
\hline ERM Upper Division Elective & 3 & \\
\hline ERM OR ABS OR SOS Upper Division Elective & 3 & \\
\hline Technical Elective & 3 & \\
\hline Term hours & 15 & \\
\hline
\end{tabular}


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Graphic Information Technology, BS
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSGITBS

```
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
(4. ASU 101-TPS: The ASU Experience
(1. GIT 135: Graphic Communications1
(1. GIT 210: Creative Thinking and Design Visualization3
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ..... CENG 107 or ENG 108: First-Year Composition
MAT 170: Precalculus (MA) ..... 33
Humanities, Arts and Design (HU) AND Historical Awareness (H) ..... 3
Term hours subtotal: ..... 16

- Students in the BS Graphic Information Technology program select a primary focus area consisting of 12 hours of focused courses (minimum 9 of upper division). Sample focus areas are listed below. Additional focus areas may be available. Please check with your academic advisor.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\hline Digital Design, Print, and Publishing \\
GIT 333: Printing Technology \\
GIT 334: Image Editing and Manipulation \\
GIT 437: Color Reproduction Systems \\
GIT 494: Special Topics \\
\hline GIT 340: Information Design and Usability
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Journalism and Mass Communication, BA}

School/College: Walter Cronkite School of Journalism \& Mass Comm
Location:
CSJMCBA
and
Graphic
Information
Technology,
BS
Ira A. Fulton Schools of Engineering
TSGITBS
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (4) GIT 135: Graphic Communications & 3 & C \\
\hline (4. JMC 101: Grammar for Journalists & 1 & Y \\
\hline 4. JMC 110: Principles and History of Journalism (SB) & 3 & C \\
\hline ASU 101-CS: The ASU Experience & 1 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline JMC 102: Coding for Journalists & 1 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
1. Minimum 2.50 GPA ASU Cumulative.



- For Focus Area Courses, students must select one of the following focus areas:
- Web Design and Development
- 2D-3D Gaming Animation
- Digital Design, Print and Publishing
- Commercial Photography and Video

All 12 hours of focus area courses must be taken from the same focus area.

Hide Course List(s)/Track Group(s)
Philosophy
HON 171: The Human Event (L or HU)
PHI 101: Introduction to Philosophy (HU)
PHI 103: Principles of Sound Reasoning (L or
PHI 105: Intro to Ethics (HU)
PHI 306: Applied Ethics (HU)
U.S. History Course
HST 327: Women in U.S. History, 1600 to
1880 ((HU or SB) \& C \& H)
HST 328: Women in U.S. History, 1880-1980
((HU or SB) \& C \& H)
HST 334: African American History Since
1865 ((HU or SB) \& C \& H)
HST 337: American Indian History to 1900
((HU or SB) \& C \& H)
HST 338: American Indian History since 1900
((HU or SB) \& C \& H)
Academic Catalog Archive 2018-2019

Academic Catalog Archive 2018-2019
Journalism \& Mass Communication Upper Division Major Elective

JMC 451: Photojournalism II
JMC 455: Digital Media Entrepreneurship
JMC 460: Advanced Online Media
MCO 425: Digital Media Literacy


\section*{GIT Focus Area: 2D-3D Gaming Animation GIT Focus Area: Digital Design, Print and Publishing}

GIT 333: Printing Technology GIT 334: Image Editing and Manipulation GIT 437: Color Reproduction Systems GIT 450: Digital Workflow in Graphic Industries GIT 494: Special Topics

TWC 411: Principles of Visual Communication (L)

Total Hours: 132
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Graphic Information Technology, BS

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Location: Online
TSGITBS

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\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline ASU 101-UC: The ASU Experience & 1 \\
\hline GIT 135: Graphic Communications & 3 \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 \\
\hline Term hours subtotal: & 7 \\
\hline
\end{tabular}

ASU 101 is required of all freshman students; FSE 394 is required for all transfer students.
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-16 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1.1 GIT 210: Creative Thinking and Design Visualization & \multicolumn{2}{|l|}{3} & \multirow[b]{4}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Prep for success using the Freshman Guide \\
- Join a Fulton community.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 170: Precalculus (MA) & 3 & C & - Explore engineering and technical \\
\hline Term hours subtotal: & 9 & & professions. \\
\hline Term 2-A 16-22 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB)

3 C

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C ENG 107 or ENG 108: First-Year Composition

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 22-29 Credit Hours Critical course signified by \({ }^{\text {+ }}\) & Hours & Minimum Grade & Notes \\
\hline 1. GIT 230: Digital Illustration in Publishing & \multicolumn{2}{|l|}{3} & \multirow[b]{2}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator
\end{tabular}} \\
\hline Natural Science - Quantitative (SQ) & \multicolumn{2}{|l|}{4} & \\
\hline (1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & Labs, and the Fulton Start-Up Center. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 29-35 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

GIT 215: Introduction to Web Authoring 3
TMC 110: Understanding the Enterprise 3
- Complete Mathematics (MA) requirement.

6
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 35-41 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS) & 3 \\
\hline Elective & 3 \\
\hline
\end{tabular}
- Prep for success using the Sophomore Guide.
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\begin{tabular}{|c|c|c|c|}
\hline Term 4-A 41-50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. GIT 250: Introduction to Commercial Print & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 4-B 50-57 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Literacy and Critical Inquiry (L) ( HSE 290 recommended) & 3 & & \multirow[b]{3}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 57-66 Credit Hours Necessary course signified by & Hours M & Minimum Grade & Notes \\
\hline GIT 384: Commercial Photography & \multicolumn{2}{|l|}{3} & \multirow{4}{*}{- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 6 must be at the upper division level) which form a coherent theme.} \\
\hline TWC 451: Copyright and Intellectual Property in the Electronic Age & \multicolumn{2}{|l|}{3} & \\
\hline Secondary Focus Area & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{9} & \\
\hline Term 5-B 66-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline GIT 315: Digital Video Techniques & \multicolumn{2}{|l|}{3} & \multirow[t]{4}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline Primary Focus Area & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{9} & \\
\hline Term 6-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline GIT 303: Digital Publishing & 3 & & Research and prepare for graduate \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \begin{tabular}{l}
school. \\
- Apply for a Fulton Schools 4+1
\end{tabular} \\
\hline Term hours subtotal & : 6 & & \begin{tabular}{l}
program. \\
- Develop a professional profile online.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 6-B 81-90 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline GIT 314: Multimedia Design, Planning and Storyboards & 3 & \\
\hline Upper Division Primary Focus Area & 3 & \\
\hline Secondary Focus Area & 3 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global \\
Awareness (G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 9} & \\
\hline Term 7-A 90-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W Upper Division Primary Focus Area & 3 & & \multirow[b]{4}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or virtual practice interview.
\end{tabular}} \\
\hline GIT 450: Digital Workflow in Graphic Industries & 3 & & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-B 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W GIT 432: Graphic Industry Business Practices & 3 & & A secondary focus area is a group of courses \\
\hline Upper Division Secondary Focus Area & 3 & & comprising of 12 or more credit hours (at least \\
\hline Term hours subtotal: & 6 & & 6 must be at the upper division level) which form a coherent theme. \\
\hline Term 8-A 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline GIT 413: Professional Portfolio Design and Presentation & 3 & & \\
\hline Upper Division Primary Focus Area & 3 & & \\
\hline Term hours subtotal: & : 6 & & \\
\hline Term 8-B 111-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline GIT 480: Senior Project & 3 & & \multirow[b]{2}{*}{- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least} \\
\hline GIT Upper Division Elective & 3 & & \\
\hline Upper Division Secondary Focus Area & 3 & & 6 must be at the upper division level) which \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Web Design and Development & 2D/3D Animation \\
\hline GIT 237: Web Content Design & GIT 211: Introduction to Video Game Art \\
\hline GIT 340: Information Design and Usability & \multirow[t]{2}{*}{GIT 312: 3-D Computer Graphics Modeling and Representation (CS)} \\
\hline GIT 402: New Media Internet Technologies & \\
\hline GIT 414. Web Site Design and Internet/Web & GIT 334: Image Editing and Manipulation \\
\hline Technologies & GIT 411: Computer Animation \\
\hline GIT 417: Advanced Web Markup and Scripting & GIT 494: Special Topics \\
\hline GIT 418: Multimedia Authoring, Scripting and Production & \\
\hline GIT 435: Website and E-Commerce Strategies & \\
\hline GIT 494: Special Topics & \\
\hline
\end{tabular}

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Human Systems Engineering, BS
School/College: Ira A. Fulton Schools of Engineering.
Location: Polytechnic campus
ESHSEBS
\begin{tabular}{|l|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}


Term hours subtotal: 1414
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1. HSE 230: Statistics for Human Systems Research I (CS) & 3 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline EGR 101: Foundations of Engineering Design Project I & 3 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline HSE 290: Experimental Methods for Human Systems Research (L) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\end{tabular}} \\
\hline HSE 223: Applied Biology of Human Behavior (SB) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness
(H) & 3 & & \\
\hline Technical Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete MAT 170 course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(1)}\) & & \begin{tabular}{|r|r} 
Gra & Minim \\
& Gra \\
\hline
\end{tabular} & Notes \\
\hline
\end{tabular}

- Technical electives should be chosen from the prefixes below. 3 credit hours must be upper division.
Hide Course List(s)/Track Group(s)
Technical Electives
AME Elective
AMT Elective
BIO Elective
BME Elective
BMI Elective
CAP Elective
CIS Elective
CSE Elective
EEE Elective
EGR Elective
TWIT Elective
TEMC Elective
PSE Elective
IEE Elective
IFT Elective
MFG Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Human Systems Engineering (User Experience), BS
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
ESHSEUEBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SU 101-TPS: The ASU Experience & 1 & \\
\hline HSE 101: Introduction to Human Systems Engineering (SB) & 3 & C \\
\hline BIO 100: The Living World (SQ) OR BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR BIO 201: Human Anatomy and Physiology I (SG) & 4 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 170: Precalculus (MA) & 3 & C \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in Mathematics course
- ASU 101 is required of all freshman students; Transfer students are required to take FSE 394.
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.


\section*{Term hours subtotal: \\ 16}
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-45 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 HSE 223: Applied Biology of Human Behavior (SB) & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\end{tabular}} \\
\hline HSE 290: Experimental Methods for Human Systems Research (L) & 3 & C & \\
\hline User Experience Concentration Course & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline & & Minimum & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Grade & Notes \\
\hline 1. HSE 224: Applied Social Science (SB) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline (1. HSE 225: Human Systems Integration & 3 & C & \\
\hline CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & & \\
\hline EGR 219: Computational Modeling of Engineering Systems OR CPI 101: Introduction to Informatics (CS) & 3 & & \\
\hline User Experience Concentration Course & 3 & & \\
\hline 4 Complete HSE 290 course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline H HSE 390: Qualitative Research Methods (L) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline HSE 324: Applied Cognitive Science (SB) & 3 & C & \\
\hline User Experience Concentration Course & 3 & & \\
\hline Global Awareness (G) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W HSE 323: Perceptual Systems (SB) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Research and prepare for graduate school. \\
- Apply for an engineering 4+1 program. \\
- Develop a professional profile online.
\end{tabular}} \\
\hline HSE 325: Human-Computer Interaction & 3 & C & \\
\hline User Experience Concentration Course & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline
\end{tabular}
Term 7 90-105 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
- Plan for success using the Senior Guide.
- Apply for full-time positions.
- Complete an in-person or practice interview.
\(\begin{array}{l}\text { Term } 8105 \text { - } 120 \text { Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- Students must take 7 classes from the list below.
Hide Course List(s)/Track Group(s)
User Experience Concentration
GIT 135: Graphic Communications
GIT 210: Creative Thinking and Design
Visualization
GIT 215: Introduction to Web Authoring
GIT 230: Digital Illustration in Publishing
GIT 237: Web Content Design
GIT 340: Information Design and Usability
GIT 402: New Media Internet Technologies
HSE 429: Product Design and Evaluation
TWC 411: Principles of Visual
Communication (L)
TWC 414: Visualizing Data and Information
TWC 421: Principles of Web Authoring (L)
TWC 444: User Experience

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Industrial Engineering, BSE
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESIEEBSE
\begin{tabular}{l} 
Term 10 - 15 Credit Hours Critical course signified by 4. \\
(4) MAT 265: Calculus for Engineers I (MA) \\
\hline ASU 101-IEE: The ASU Experience \\
\hline ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition \\
Grade
\end{tabular}


\begin{tabular}{|c|c|c|c|}
\hline Term 446-62 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline (1) ECN 211: Macroeconomic Principles (SB) & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline IEE 380: Probability and Statistics for Engineering Problem Solving (CS) & 3 & C & \\
\hline 4) MAT 275: Modern Differential Equations (MA) & 3 & C & \\
\hline (4) PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline (4) PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline IEE 305: Information Systems Engineering (CS) & 3 & C & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline IEE 385: Engineering Statistics: Probability & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Plan for success using theJunior Guide. \\
- Network atstudent organization competitions or professional societies.
\end{tabular}} \\
\hline IEE 300: Economic Analysis for Engineers & 3 & C & \\
\hline MAE 201: Mechanics of Particles and Rigid Bodies I: Statics & 3 & & \\
\hline PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & & \\
\hline PHY 132: University Physics Laboratory II (SQ) & 1 & & \\
\hline MAT 242: Elementary Linear Algebra OR MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra & 2-3 & C & \\
\hline Term hours subtotal: & 15-16 & & \\
\hline Term 677-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline IEE 321: Ethics and Technical Communication & 1 & C & \multirow{8}{*}{\begin{tabular}{l}
- Research and prepare for graduate school. \\
- Apply for a Fulton Schools4+1 program. \\
- Develop aprofessional profile online.
\end{tabular}} \\
\hline IEE 376: Operations Research Deterministic Techniques/Applications & 3 & C & \\
\hline IEE 369: Work Analysis and Design (L) & 3 & C & \\
\hline Engineering Science Elective & 3-4 & & \\
\hline Upper Division Career Focus Study Area & 3 & C & \\
\hline \begin{tabular}{l}
Upper Division Humanities, Arts and Design (HU) OR Upper Division \\
Social-Behavioral Sciences (SB)
\end{tabular} & 3 & & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline Term hours subtotal: & 16-17 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline IEE 485: Systems Design Capstone I (L) & 3 & C & \multirow[b]{3}{*}{- Plan for success using theSenior Guide.} \\
\hline IEE 470: Stochastic Operations Research & 3 & C & \\
\hline IEE 474: Quality Control & 3 & C & \\
\hline IEE 475: Simulating Stochastic Systems (CS) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Use Handshake to apply for full-time positions. \\
- Complete an in-person orpractice interview.
\end{tabular}} \\
\hline Upper Division Career Focus Study Area & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8 108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\footnotetext{
IEE 486: Systems Design Capstone II (L)
3
C
}

IEE 461: Production Control 3
\begin{tabular}{|c|c|c|c|}
\hline Upper Division Career Focus Study Area & & 3 & C \\
\hline Upper Division IEE Technical Elective & & 3 & C \\
\hline & Term hours subtotal: & 12 & \\
\hline
\end{tabular}
- Select a minimum of nine semester hours from one of the following Career Focus Study Areas. Students will need to submit a Career Focus Proposal Form prior to taking classes. Please note that some of these courses may require additional prerequisites. All course options should be discussed with an advisor, as classes have prerequisites and are sequential. VisitCIDSEwebsite for additional information about Career Focus Study Area and Technical Elective courses.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline Engineering Science Elective & Basic Science Elective \\
\hline \multirow[t]{2}{*}{CEE 384: Numerical Methods for Engineers (CS)} & BIO 181: General Biology I (SQ) \\
\hline & BIO 182: General Biology II (SG) \\
\hline \multirow[t]{2}{*}{CSE 120: Digital Design Fundamentals} & \\
\hline & BME 111: Engineering Perspectives on \\
\hline \multirow[t]{2}{*}{CSE 240: Introduction to Programming Languages} & Biological Systems \\
\hline & \\
\hline \multirow[t]{2}{*}{EEE 202: Circuits I} & \\
\hline & GLG 101: Introduction to Geology I \\
\hline MAE 240: Thermofluids I & (Physical) (SQ) \\
\hline \multirow[t]{3}{*}{MAE 241: Introduction to Thermodynamics} & GLG 102: Introduction to Geology II (Historical) (SG \& H) \\
\hline & GLG 110: Dangerous World (SG \& G) \\
\hline & \begin{tabular}{l}
PHY 111: General Physics (SQ) AND PHY \\
113: General Physics Laboratory (SQ)
\end{tabular} \\
\hline Career Focus Study Area (Engineering & Career Study Focus Area (Electronics \\
\hline Management) & Manufacturing) \\
\hline IEE 431: Engineering Administration (L) & EEE 352: Properties of Electronic Materials \\
\hline IEE 454: Risk Management & EEE 435: Fundamentals of CMOS and MEMS \\
\hline IEE 456: Introduction to Systems Engineering & EEE 436: Fundamentals of Solid-State \\
\hline IEE 458: Project Management & Devices \\
\hline Career Focus Study Area (Global Industrial Engineering Leadership) & Career Focus Study Area (Health Care Systems Engineering) \\
\hline \multirow[t]{2}{*}{ECN 306: Survey of International Economics
\[
(\mathrm{SB} \& \mathrm{G})
\]} & IEE 421: Urban Operations Research \\
\hline & 26: Operations Research in Healthcare \\
\hline MGT 302: Principles of International Business (G) & IEE 431: Engineering Administration (L) \\
\hline MGT 459: International Management (G) & \\
\hline Career Focus Study Area (Industrial Statistics) & Career Focus Study Area (Operations \\
\hline IEE 381: Lean Six Sigma Methodology & Research) \\
\hline STP 425: Stochastic Processes & IEE 421: Urban Operations Research \\
\hline
\end{tabular}

Career Focus Study Area
(Computer/Information Systems Engineering)
*Students should plan to take MAT 300 as a
TE for this focus

CSE 310: Data Structures and Algorithms
CSE 330: Operating Systems
CSE 360: Introduction to Software Engineering

IEE 456: Introduction to Systems Engineering

Career Focus Study Area (Financial Engineering)

IEE 412: Introduction to Financial Engineering

IEE 431: Engineering Administration (L)
IEE 454: Risk Management

Career Study Focus Area (Industrial Engineering 4+1 Program)

Note: Students must be admitted into the \(4+1\) Program. See your academic advisor for details.

Three graduate-level courses (IEE \(5^{* *}\) ) of which two or more are from the Master's Core Class list.

IEE Technical Electives (May not be duplicated with Career Focus Study Area requirement courses)

CSE 494: Data Mining
\begin{tabular}{ll} 
IEE 426: Operations Research in Healthcare & \begin{tabular}{l} 
FSE 301: Entrepreneurship and Value \\
Creation
\end{tabular} \\
MAT 300: Mathematical Structures (L) & IEE 381: Lean Six Sigma Methodology \\
& IEE 412: Introduction to Financial \\
Engineering \\
IEE 421: Urban Operations Research \\
IEE 426: Operations Research in Healthcare \\
& IEE 431: Engineering Administration (L) \\
IEE 437: Human Factors Engineering
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Informatics, BS
School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESCPIBS
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (1) CPI 101: Introduction to Informatics (CS) & 3 & C \\
\hline (1) CSE 110: Principles of Programming with Java (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) OR MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-CSE: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline Term hours su & 16 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar (ASU 101-CSE) required of all students
- If ENG 105 is taken, a three (3) credit hour elective must also be taken prior to graduation.
- Prep for success using theFreshman Guide.
- Join aFulton community.
- Exploreengineering and technical professions.
\begin{tabular}{|c|c|c|c|}
\hline Term 216 - 30 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. CSE 205: Object-Oriented Programming and Data Structures (CS) & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and theFulton Start-Up Center.
\end{tabular}} \\
\hline 4. MAT 242: Elementary Linear Algebra & 2 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 3 30-46 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline CPI 220: Applied Data Structures and Algorithms & 3 & C \\
\hline MAT 243: Discrete Mathematical Structures & 3 & C \\
\hline IEE 305: Information Systems Engineering (CS) & 3 & C \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
- Prep for success using theSophomore Guide.
- Consult theResume, Presentation, and Resource Libraryfor tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\begin{tabular}{|c|c|c|c|}
\hline Term 4 46-62 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 4. CPI 200: Mathematical Foundations of Informatics (MA) & 3 & C \\
\hline (4) CPI 221: Advanced Object-Oriented Principles Using Java & 3 & C \\
\hline Informatics Focus Area & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Natural Science - General (SG) & 4 & \\
\hline Term hour & 16 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline CPI 360: Decision Making and Problem Solving & 3 & C \\
\hline CPI 310: Web-Based Information Management Systems & 3 & C \\
\hline
\end{tabular}

STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life
Science (CS) OR STP 420: Introductory Applied Statistics (CS) OR
IEE 380: Probability and Statistics for Engineering Problem Solving
3
(CS) OR GIS 470: Advanced Statistics for Geography and Planning (CS)

Complete 2 courses:
Informatics Focus Area
6 C

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 677-92 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline CPI 350: Evaluation of Informatics Systems & 3 & C \\
\hline CSE 463: Introduction to Human Computer Interaction & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Informatics Focus Area
\end{tabular} & 6 & C \\
\hline
\end{tabular}

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)

3

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 792-107 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W CPI 485: Informatics Capstone I (L) & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- Plan for success using theSenior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person orpractice interview.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 4 courses: \\
Upper Division Informatics Elective
\end{tabular} & 12 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-107-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline CPI 486: Informatics Capstone II (L) & 4 & C & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Informatics Elective
\end{tabular} & 9 & C & \\
\hline
\end{tabular}
- Informatics Focus Area and Informatics Electives: Select a focus area and complete at least 15 hours in that focus area. Select another 21 hours from the courses on these lists to complete the 36 -hour requirement. Students will need to take 21 of the 36 total hours as upper division 300/400 level courses. It is recommended that you work with your academic advisor when making course selections. Visit the CIDSE website for additional information about Informatics Electives or Focus Area Required Courses.

\section*{Hide Course List(s)/Track Group(s)}
Informatics Focus Area (Enterprise
Informatics) Informatics Focus Area (Game Informatics)

Informatics Focus Area (Geo-Informatics)
Required:
GIS 205: Geographic Information Science I (CS)

GIS 211: Geographic Information Science II (CS)

GIS 311: Geographic Information Science III (CS)

Select two:

ABS 485: GIS in Natural Resources

GCU 361: Urban Geography (SB)

GCU 441: Economic Geography (SB)
GCU 442: Geographical Analysis of Transportation (SB)

GCU 494: Special Topics

GIS 341: Introduction to Cartography and Georepresentation (CS)

GIS 351: Air Photo Interpretation

GIS 461: Optimization Fundamentals for Spatial Analysis

GIS 471: Spatial Statistics for Geography and Planning
\begin{tabular}{|c|c|}
\hline Informatics Focus Area (Digital Culture Studies) & Additional Informatics Electives \\
\hline Recommended first course is AME 111. & \multirow[t]{3}{*}{Students may choose from any of the courses not in their selected focus area as Informatics Electives in addition to the courses listed below:} \\
\hline AME 111: Introduction to Digital Culture (CS) & \\
\hline AME 112: Computational Thinking for Digital & \\
\hline Culture & AME 394: Philosophies of Technology \\
\hline AME 130: Prototyping Dreams (L) & \multirow[t]{2}{*}{ART 346: 3-D Computer Imaging and Animation (CS)} \\
\hline AME 220: Programming for the Web & \\
\hline AME 294: Introduction to Physical Computing & BIO 355: Introduction to Computational Molecular Biology (CS) \\
\hline AME 310: Media Literacies and Composition & \multirow[b]{2}{*}{BIO 411: Quantitative Methods in Conservation and Ecology} \\
\hline AME 320: Motion Capture for Integrative Systems & \\
\hline AME 330: Digital-Physical Systems & BIO 424: Dynamic Modeling in Social and Ecological Systems \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline AME 340: Compositional and Computational Principles for Media Arts & BMI 102: Introduction to Public Health Informatics \\
\hline AME 394: Media Theatre & CIS 300: Web Design and Development \\
\hline AME 394: Technical Lives & CIS 365: Business Database Systems Development \\
\hline AME 430: Mac Development for Media Arts & CPI 441: Gaming Capstone \\
\hline AME 470: Programming for Social and Interactive Media & CPI 460: Intelligent Interactive Instructional Systems \\
\hline AME 494: Animating Virtual Worlds & CPI 484: Internship \\
\hline ANP 394: Digital Modeling and Fabrication & \\
\hline ANP 494: Design by Algorithm & \\
\hline ANP 494: Designing Hybrid Spaces & Engineering \\
\hline ART 116: Introduction to Digital Media & CSE 240: Introduction to Programming \\
\hline & Languages \\
\hline in Digital Culture & CSE 259: Logic in Computer Science \\
\hline ART 218: 3D Tools & CSE 294: Algorithmic Problem Solving \\
\hline ART 345: Visualization and Prototyping & CSE 310: Data Structures and Algorithms \\
\hline \begin{tabular}{l}
DCE 294: \\
HybridAction:PhysicalIntelligenceinDigitalCulture
\end{tabular} & CSE 335: Principles of Mobile Application Development \\
\hline FMP 240: Introduction to Animation for Film & CSE 360: Introduction to Software \\
\hline FMP 294: Story Development for Game Design & Engineering \\
\hline FMP 394: Non-Linear Editing for Film and Media & CSE 394: Special Topics \\
\hline  & CSE 408: Multimedia Information Systems \\
\hline IAP 103: Foundations I: Interdisciplinary Digital Media & CSE 412: Database Management \\
\hline IAP 104: Foundations I: Fundamentals of Sound Art & CSE 471: Introduction to Artificial Intelligence \\
\hline MDC 211: Introduction to Digital Sound & CSE 476: Introduction to Natural Language Processing \\
\hline MDC 311: Composing and Performing for Hybrid Ensembles & CSE 477: Introduction to Computer-Aided Geometric Design or CSE 494: Special Topics \\
\hline & CSE Special Topics must be Digital Culture classes with \(3^{* *}\) or \(4^{* *}\) numbers. \\
\hline & FSE 301: Entrepreneurship and Value Creation \\
\hline & FSE 494: EPICS Gold III \\
\hline & GIT 135: Graphic Communications \\
\hline & GIT 230: Digital Illustration in Publishing \\
\hline & GIT 335: Computer Systems Technology \\
\hline & GRA 294: InDesign \\
\hline & GRA 294: Photoshop \\
\hline
\end{tabular}

HSE 101: Introduction to Human Systems
Engineering (SB)

IEE 385: Engineering Statistics: Probability
MAT 267: Calculus for Engineers III (MA)
SER 316: Software Enterprise: Construction and Transition

SER 334: Operating Systems and Networks

SOC 334: Technology and Society (L or SB)
STS 304: Science, Technology, and Society (SB)

TEL 313: Technology in an Educational
Setting
TWC 414: Visualizing Data and Information

TWC 444: User Experience

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Information Technology, BS
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSIFTBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 ASU 101-TPS: The ASU Experience & 1 & & SAT, ACT, Accuplacer, IELTS, or \\
\hline 4 IFT 100: Introduction to Information Technology & 3 & C & TOEFL score determines placement into \\
\hline 4.1 IFT 101: Information Technology Programming Logic & 3 & C & \begin{tabular}{l}
first-year composition courses. \\
- ASU Mathematics Placement Assessment
\end{tabular} \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & score determines placement into \\
\hline HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \begin{tabular}{l}
Mathematics course. \\
- ASU 101 is required of all freshman
\end{tabular} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
transfer students. \\
- Prep for success using theFreshman Guide. \\
- Join aFulton community.
\end{tabular} \\
\hline Term hours subtotal: & 16 & & - Exploreengineering and technical professions. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade \\
\hline 4. IFT 102: Introduction to Java Technologies & 3 & C \\
\hline 4 IFT 200: Information Modeling, Storage and Retrieval & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & \\
\hline
\end{tabular}

Term hours subtotal: 16
\begin{tabular}{|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline IFT 201: Computer and Network Systems: Organization and Administration & 3 & C \\
\hline 4. IFT 250: Introduction to UNIX Utilities & 3 & C \\
\hline IFT 220: Managing Configurations and Active Directory & 3 & C \\
\hline MAT 243: Discrete Mathematical Structures & 3 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline
\end{tabular}
- Create a Handshake profile.
- Get involved with EPICS, the Generator Labs, and theFulton Start-Up Center.
- Prep for success using theSophomore Guide.
- Consult theResume, Presentation, and Resource Libraryfor tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.

\section*{Term hours subtotal: \\ 16}
\begin{tabular}{|c|c|c|c|}
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. HSE 230: Statistics for Human Systems Research I (CS) OR PSY 230: Introduction to Statistics (CS)

\begin{tabular}{|c|c|c|c|}
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline IFT 302: Foundations of Information and Computer System Security & 3 & C \\
\hline IFT 358: Network Information Communication Technology & 3 & C \\
\hline TMC 330: Leading the Enterprise & 3 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Secondary Focus Area & 3 & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline IFT 301: Web Programming for Human Computer Interface & 3 & C \\
\hline IFT 372: Wireless Networking & 3 & \\
\hline W TMC 470: Enterprise Planning and Implementation & 3 & C \\
\hline Primary Focus Area & 3 & \\
\hline Upper Division Secondary Focus Area & 3 & \\
\hline
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global
Awareness (G) AND Historical Awareness (H) course(s)


Term hours subtotal: 15
Term 7 93-108 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
- Apply forinternships.
- Attendcareer fairs and events.
- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 9 must be at the upper-division level) which form a coherent theme.
- Plan for success using theJunior Guide.
- Network atstudent organizationcompetitions or professional societies.
- A secondary focus area is a group of courses comprising of 12 or more credit hours (at least 9 must be at the upper-division level) which form a coherent theme.
- Research and prepare forgraduate school.
- Apply for aFulton Schools \(4+1\) program.
- Develop aprofessional profile online.
Term 8 108-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- Students choose one primary focus area (12 hours). Students must take primary focus area courses sequentially in order to meet the prerequisites of subsequent upper division courses.
Additional Focus Areas may be available; please check with your Academic Advisor for more information.


IFT 488: Systems Administration of UNIX
IFT 489: TCP/IP and Routing

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{2018-2019 Major Map \\ Information Technology, BS}

School/College: Ira A. Fulton Schools of Engineering
Location: Online
TSIFTBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASU 101-UC: The ASU Experience
\begin{tabular}{|c|c|c|}
\hline IFT 100: Introduction to Information Technology & 3 & C \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline
\end{tabular}

Term hours subtotal:
7
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in Mathematics course
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students.
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1. IFT 101: Information Technology Programming Logic & 3 & C & \multirow{4}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-A 16-25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4 IFT 102: Introduction to Java Technologies & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-B 25-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4 IFT 200: Information Modeling, Storage and Retrieval & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline
\end{tabular}

Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 32-41 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline IFT 201: Computer and Network Systems: Organization and Administration & 3 & C & \multirow[t]{2}{*}{\begin{tabular}{l}
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a
\end{tabular}} \\
\hline - IFT 220: Managing Configurations and Active Directory & 3 & C & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline MAT 243: Discrete Mathematical Structures & 3 & C \\
\hline & 9 & \\
\hline
\end{tabular}
technical resume, job shadow, do informational interviews and mentor with alumni.

\begin{tabular}{|c|c|c|c|}
\hline Term 5-B 72-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TMC 330: Leading the Enterprise & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & \(: 6\) & & \\
\hline Term 6-A 78-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline IFT 372: Wireless Networking & 3 & & secondary focus area is a group of cours \\
\hline Primary Focus Area & 3 & & comprising of 12 or more credit hours (at least \\
\hline Upper Division Secondary Focus Area & 3 & & 9 must be at the upper-division level) which \\
\hline Term hours subtotal: & 9 & & \begin{tabular}{l}
- Research and prepare for graduate school. \\
- Apply for a Fulton Schools 4+1 program.
\end{tabular} \\
\hline
\end{tabular}
- Develop a professional profile online.
Term 6 - B 87 - 93 Credit Hours Necessary course signified by

- Students choose one primary focus area (12 hours). Students must take primary focus area courses sequentially in order to meet the prerequisites of subsequent upper division courses.
Additional Focus Areas may be available; please check with your Academic Advisor for more information.

Hide Course List(s)/Track Group(s)
Information Systems Focus Area
IFT 333: Introduction to Big Data
IFT 333: Introduction to Big Data

Networking and Computer Systems Security Focus Area
\(\left.\begin{array}{l}\text { IFT 433: Intermediate Database Management } \\
\text { Systems }\end{array} \begin{array}{l}\text { IFT 433: Intermediate Database Management } \\
\text { Systems }\end{array} \quad \begin{array}{l}\text { IFT 458: Middleware Programming and } \\
\text { Database Security }\end{array}\right]\)\begin{tabular}{lll} 
IFT 475: Security Analysis
\end{tabular}

IFT 488: Systems Administration of UNIX
IFT 489: TCP/IP and Routing

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Manufacturing Engineering, BS
School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSMEGRBS
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ASU 101-TPS: The ASU Experience & \multicolumn{2}{|l|}{1} \\
\hline EGR 101: Foundations of Engineering Design Project I & 3 & C \\
\hline MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline
\end{tabular}

Term hours subtotal
\begin{tabular}{|c|c|c|}
\hline Term 213-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline (4) EGR 102: Foundations of Engineering Design Project II & 3 & C \\
\hline EGR 104: Critical Inquiry in Engineering (L) & 3 & \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline MAT 266: Calculus for Engineers II (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline \multicolumn{3}{|l|}{(4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{3}{|l|}{4. Complete MAT 265 course(s).} \\
\hline Term hours & 16 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students.
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.

\section*{Notes \\ - Create a Handshake profile. \\ - Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1) EGR 201: Use-Inspired Design Project I & 3 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Prep for success using the Sophomore Guide. \\
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\end{tabular}} \\
\hline EGR 216: Engineering Electrical Fundamentals & 3 & C & \\
\hline EGR 218: Materials and Manufacturing Processes & 3 & C & \\
\hline MAT 267: Calculus for Engineers III (MA) & 3 & & \\
\hline PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline 4. Complete MAT 266 course(s). & & & \\
\hline Complete First-Year Composition requirement. & & & \\
\hline  & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 444-59 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events
\begin{tabular}{|c|c|c|}
\hline Term 559-75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline MFG 308: Manufacturing System Project I & 3 & C \\
\hline MFG 381: Manufacturing Processes and Validation Lab & 3 & C \\
\hline MFG 382: Modeling of Manufacturing Systems I & 3 & C \\
\hline MFG 383: Communications in a Production Environment & 3 & \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline Term hours su & 16 & \\
\hline
\end{tabular}
Term 6 75 - 90 Credit Hours Necessary course signified by
Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\(\begin{array}{l}\text { Term } 7 \text { 90-105 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

Hide Course List(s)/Track Group(s)
```

Technical Electives
EGR 394: Advanced CADD \& Solid
Modeling
EGR 476: Microgrid Design and Operation or
EGR 431: Power Management
EGR 494: Integration of Automation Systems
EGR 494: Professional Digital Product
Definition
MFG 386: Integrated Circuit Manufacturing
MFG 472: Additive Manufacturing
MFG 486: CNC Computer Programming
MFG 487: Casting and Forming Processes
MFG 488: Plasma Processing

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Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Materials Science and Engineering, BSE}

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESMSEBSE
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline 4. FSE 100: Introduction to Engineering & 2 & \\
\hline 1 ( MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-MSE: The ASU Experience & 1 & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & & & & Notes \\
\hline 1. MAT 266: Calculus for Engineers II (MA) & \multicolumn{2}{|c|}{3} & C & \multirow{4}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline (1) MSE 250: Structure and Properties of Materials & \multicolumn{2}{|c|}{3} & & \\
\hline 4 PHY 121: University Physics I: Mechanics (SQ) & \multicolumn{2}{|c|}{3} & & \\
\hline (1) PHY 122: University Physics Laboratory I (SQ) & \multicolumn{2}{|c|}{1} & & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & & & & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & \multicolumn{2}{|c|}{3} & & \\
\hline \multicolumn{5}{|l|}{4 Complete CHM 114 OR CHM 116 course(s).} \\
\hline \multicolumn{5}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{5}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{\(: 16\)} & & \\
\hline Term 3 32-48 Credit Hours Critical course signified by & Hours & \multicolumn{2}{|l|}{Minimum Grade} & Notes \\
\hline 4 MAT 267: Calculus for Engineers III (MA) & 3 & \multicolumn{2}{|c|}{C} & \multirow[b]{3}{*}{2718} \\
\hline (1) MSE 215: Materials Synthesis & \multicolumn{3}{|l|}{3} & \\
\hline \multicolumn{4}{|l|}{Academic Catalog Archive 2018-2019} & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 1. PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C \\
\hline (1) PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline Math or Science Elective & 3-4 & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline 9. Minimum 2.00 GPA ASU Cumulative. & & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline Term hours subtotal: & 16-17 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (\%) MAT 275: Modern Differential Equations (MA) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- For additional information about Advanced Science Electives options, please go to: Advanced Science Electives \\
- Pursue an undergraduate research experience \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline (1) MAT 343: Applied Linear Algebra & 3 & C & \\
\hline 4. MSE 211: Introduction to Mechanics of Materials & 3 & & \\
\hline IEE 380: Probability and Statistics for Engineering Problem Solving (CS) & 3 & & \\
\hline Advanced Science Elective & 3 & & \\
\hline (1) Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 563-79 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W MSE 355: Structure and Defects & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline MSE 330: Thermodynamics of Materials & 3 & & \\
\hline MSE 356: Structures, Properties, and Defects Lab & 1 & & \\
\hline MSE 415: Mathematical and Computer Methods in Materials (CS) & 3 & & \\
\hline MSE 457: Quantum Mechanics for Understanding Properties of Atoms and Solids & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 679-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Minimum 2.00 GPA ASU Cumulative.
\begin{tabular}{|c|c|c|}
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} \\
\hline Term 563-79 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W MSE 355: Structure and Defects & 3 & C \\
\hline MSE 330: Thermodynamics of Materials & \multicolumn{2}{|l|}{3} \\
\hline MSE 356: Structures, Properties, and Defects Lab & \multicolumn{2}{|l|}{1} \\
\hline MSE 415: Mathematical and Computer Methods in Materials (CS) & \multicolumn{2}{|l|}{3} \\
\hline MSE 457: Quantum Mechanics for Understanding Properties of Atoms and Solids & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Term hours subtotal: & 16 & \\
\hline Term 6 79-93 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W MSE 420: Physical Metallurgy & 3 & \\
\hline MSE 335: Materials Kinetics and Processing & 3 & \\
\hline MSE 421: Physical Metallurgy Laboratory & 1 & \\
\hline MSE 450: Introduction to Materials Characterization & 3 & \\
\hline MSE 451: Introduction to Materials Characterization Lab & 1 & \\
\hline MSE 458: Introduction to Electronic, Magnetic, and Optical Properties & 3 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline Term hours subtotal: & 14 & \\
\hline Term 793-106 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline MSE 489: Capstone Design Project I (L) & 1 & \\
\hline MSE 440: Mechanical Behavior of Materials & 3 & \\
\hline MSE 482: Materials Engineering Design (L) & 3 & \\
\hline Materials Elective & 6 & \\
\hline
\end{tabular}
- For additional information about Math or Science Electives, please go to: Math or Science Electives
- Prep for success using the Sophomore Guide.
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
- Research and prepare for graduate school
- Apply for an engineering 4+1 program.
- Develop a professional profile online.
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Notes

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- Use Handshake to apply for full-time positions.
- Complete an in-person or practice interview.
Term 8 106-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- For more information about Math or Science Elective course options, Materials Elective course options, Advanced Science Elective course options, or Technical Elective course options, please go to: MSE Elective Course Options
\begin{tabular}{|c|c|c|}
\hline Math or Science Elective & Advanced Science Elective & Technical Electives \\
\hline \multirow[t]{2}{*}{AST 111: Introduction to Solar Systems Astronomy (SQ)} & ABS 225: Soils (SQ) & CEE 353: Civil Engineering Materials \\
\hline & ABS 350: Applied Statistics (CS) & CHE 494: Special Topics \\
\hline AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) & \multirow[t]{2}{*}{AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)} & EEE 202: Circuits I \\
\hline \multirow[t]{2}{*}{BIO 130: Introduction to Environmental Science (SQ)} & & EEE 241: Fundamentals of Electromagnetics \\
\hline & AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ) & EEE 352: Properties of Electronic Materials \\
\hline BIO 201: Human Anatomy and Physiology I (SG) & AST 421: Astrophysics I & EEE 435: Fundamentals of CMOS and MEMS \\
\hline CHM 113: General Chemistry I (SQ) & BIO 201: Human Anatomy and Physiology I (SG) & EEE 436: Fundamentals of Solid-State Devices \\
\hline CHM 231: Elementary Organic Chemistry
(SQ) & BIO 320: Fundamentals of Ecology & FSE 301: Entrepreneurship and Value Creation \\
\hline GLG 101: Introduction to Geology I (Physical) (SQ) & CHM 231: Elementary Organic Chemistry (SQ) & \begin{tabular}{l}
FSE 394: EPICS Gold II AND FSE 494: \\
EPICS Gold III AND FSE 494: EPICS Gold:
\end{tabular} \\
\hline MAT 211: Mathematics for Business Analysis & CHM 302: Environmental Chemistry & EPICS in Action \\
\hline MAT 243: Discrete Mathematical Structures & CHM 325: Analytical Chemistry & IEE 300: Economic Analysis for Engineers \\
\hline \multirow[t]{2}{*}{PHY 201: Mathematical Methods in Physics I (CS)} & CHM 333: Organic Chemistry for Majors I & IEE 369: Work Analysis and Design (L) \\
\hline & CHM 334: Organic Chemistry for Majors II & IEE 385: Engineering Statistics: Probability \\
\hline Advanced Science Elective & CHM 341: Elementary Physical Chemistry & IEE 437: Human Factors Engineering \\
\hline \multirow[t]{4}{*}{Contact your advisor for additional course options to be reviewed through department petition.} & CHM 345: Physical Chemistry I & IEE 474: Quality Control \\
\hline & CHM 346: Physical Chemistry II & MAE 494: Special Topics \\
\hline & GLG 404: Fundamentals of Planetary Geology & MEE 322: Structural Mechanics \\
\hline & GLG 418: Geophysics & MEE 342: Principles of Mechanical Design \\
\hline
\end{tabular}

\section*{Materials Elective}

Please choose two courses from the following options:

MSE 470: Polymers and Composites

MSE 471: Introduction to Ceramics

MSE 494: Polymer Syn \& Prop

BME 318: Biomaterials

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESMAEMBSE
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4. MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-MEE: The ASU Experience & 1 & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline FSE 100: Introduction to Engineering & 2 & C \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal & 16 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU 101-MEE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.
- If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular} \\
\hline MAT 242: Elementary Linear Algebra & 2 & C & \\
\hline (1) MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline 4 PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline 4. PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline MAE 215: Introduction to Programming in MATLAB & 1 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline \multicolumn{4}{|l|}{(-) Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{4}{|l|}{4 Complete CHM 114 OR CHM 116 course(s).} \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
Term 3 32-48 Credit Hours Critical course signified by 9 Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline (1. MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline 4 PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C \\
\hline EEE 202: Circuits I & 4 & C \\
\hline
\end{tabular}

\section*{Complete Mathematics (MA) requirement.}
\begin{tabular}{|c|c|c|}
\hline  & Hours & Minimum Grade \\
\hline 1 (.) MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics & 3 & C \\
\hline (1) MAE 213: Mechanics of Materials & 3 & C \\
\hline 4 MAE 241: Introduction to Thermodynamics & 3 & C \\
\hline MAE 214: Computer-Aided Engineering I & 1 & C \\
\hline MAE 384: Advanced Mathematical Methods for Engineers (CS) & 3 & C \\
\hline PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
\begin{tabular}{|c|c|c|}
\hline Term 562-78 Credit Hours Necessary course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] \\
\hline MEE 322: Structural Mechanics & 4 & C \\
\hline MAE 242: Introduction to Fluid Mechanics & 3 & C \\
\hline MAE 301: Applied Experimental Statistics & 3 & C \\
\hline MSE 250: Structure and Properties of Materials & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline M MEE 342: Principles of Mechanical Design & 3 & C \\
\hline MAE 318: System Dynamics and Control I & 4 & C \\
\hline MAE 400: Engineering Profession (L) & 3 & C \\
\hline MEE 323: Computer-Aided Engineering II & 2 & C \\
\hline MEE 340: Heat Transfer & 3 & C \\
\hline
\end{tabular}
- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.
- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.
\(\leftrightharpoons\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline \% MEE 488: Mechanical Engineering Design I & 3 & C \\
\hline MAE 417: System Dynamics and Control II & 3 & C \\
\hline MEE 491: Experimental Mechanical Engineering (L) & 3 & C \\
\hline Upper Division Technical Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Term hours subt & 15 & \\
\hline
\end{tabular}

- For additional information about Upper Division Technical Electives, please go to: Upper Division Technical Electives.
- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in-person or practice interview.
\begin{tabular}{|c|c|c|}
\hline Complete 2 courses: & \multirow[t]{2}{*}{6} & \multirow[t]{2}{*}{C} \\
\hline Upper Division Technical Elective & & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline Term hours subtotal: & 12 & \\
\hline
\end{tabular}
- For additional information about Upper Division Technical Electives, please go to: Upper Division Technical Electives.
- For additional information about Upper Division Technical Electives please go to: Upper Division Technical Electives

Hide Course List(s)/Track Group(s)
Upper Division Technical Electives

AEE OR MAE OR MEE Upper Division Elective

AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)

AST 322: Introduction to Galactic and
Extragalactic Astrophysics (SQ)
BIO 320: Fundamentals of Ecology
BME 300: Bioengineering Product Design
BME 318: Biomaterials
BME 350: Signals and Systems for
Bioengineers
BME 494: Bioenergy and Microbial
Biotechnology
CEE 361: Introduction to Environmental Engineering

CEE 372: Transportation Engineering
CEE 440: Hydrology
CHM 302: Environmental Chemistry
CHM 325: Analytical Chemistry
CHE 494: Biomass Energy Conversion Technology , Fuel Cells \& Biofuel Cells , Molecular Sensor Systems for Health \& Environment, Nanobiotechnology, Polymer Principles \& Processing, Six Sigma Methodology/Engineering Experimentation EEE 304: Signals and Systems II EEE 333: Hardware Design Languages and Programmable Logic

EEE 334: Circuits II
EEE 350: Random Signal Analysis
EEE 460: Nuclear Power Engineering

EEE 463: Electrical Power Plants
EEE 480: Feedback Systems
EGR 433: Transforms and Systems Modeling
EGR 455: Robotic Systems I
EGR 456: Robotic Systems II
GLG 418: Geophysics
IEE 305: Information Systems Engineering (CS)

IEE 376: Operations Research Deterministic Techniques/Applications

MAT 300: Mathematical Structures (L)
MAT 310: Introduction to Geometry
MAT 362: Advanced Mathematics for Engineers and Scientists MAT 371: Advanced Calculus I MAT 420: Scientific Computing MAT 421: Applied Computational Methods (CS)

MAT 423: Numerical Analysis I (CS)
MAT 425: Numerical Analysis II (CS)
MAT 451: Mathematical Modeling (CS)
MAT 461: Applied Complex Analysis
MSE 330: Thermodynamics of Materials
MSE 355: Structure and Defects
MSE 440: Mechanical Behavior of Materials
MSE 450: Introduction to Materials Characterization

MSE 460: Nanomaterials in Energy Production and Storage

MSE 476: Growth and Processing of Semiconductors

MSE 494: Bioinspired Materials and Biomaterials, Electrochemical Energy Storage and Conversion , Failure Analysis of Metallic Materials, Manufacturing Processes for Structural Materials, Structural Materials in Nuclear Power Systems

PHY 310: Classical Particles, Fields, and Matter I

PHY 361: Introductory Modern Physics
\begin{tabular}{|c|}
\hline \begin{tabular}{l}
SES 311: Essentials of Astrobiology: \\
Exploration for Life in the Universe
\end{tabular} \\
\hline SES 350: Engineering Systems and Experimental Problem Solving \\
\hline By approval only: \\
\hline MAE 484: Internship \\
\hline MAE 492: Honors Directed Study \\
\hline MAE 493: Honors Thesis (L) \\
\hline MAE 498: Pro-Seminar or MAE 499: Individualized Instruction \\
\hline *Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements. \\
\hline Students may only apply ONE (1) course from the list below: \\
\hline CEE 400: Earth Systems Engineering and Management ((L or HU) \& H) \\
\hline FSE 301: Entrepreneurship and Value Creation \\
\hline FSE 394: Engineering in Global Context \\
\hline IEE 300: Economic Analysis for Engineers \\
\hline IEE 431: Engineering Administration (L) \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESMAECBSE
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (4) MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-MEE: The ASU Experience & 1 & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline FSE 100: Introduction to Engineering & 2 & C \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline (1) Minimum 2.00 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline 4 MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline 4. PHY 131: University Physics II: Electricity and Magnetism (SQ) & 3 & C \\
\hline EEE 202: Circuits I & 4 & C \\
\hline
\end{tabular}

\section*{Complete Mathematics (MA) requirement.}
\begin{tabular}{|c|c|c|}
\hline  & Hours & Minimum Grade \\
\hline 1 ) MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics & 3 & C \\
\hline (1) MAE 213: Mechanics of Materials & 3 & C \\
\hline (1) MAE 241: Introduction to Thermodynamics & 3 & C \\
\hline MAE 214: Computer-Aided Engineering I & 1 & C \\
\hline MAE 384: Advanced Mathematical Methods for Engineers (CS) & 3 & C \\
\hline PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 562-78 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W MEE 322: Structural Mechanics & 4 & C \\
\hline CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS) & 3 & C \\
\hline MAE 242: Introduction to Fluid Mechanics & 3 & C \\
\hline MAE 301: Applied Experimental Statistics & 3 & C \\
\hline MSE 250: Structure and Properties of Materials & 3 & C \\
\hline Term hours subtotal & 16 & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline MEE 488: Mechanical Engineering Design I & 3 & C \\
\hline MAE 400: Engineering Profession (L) & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Computational Mechanics Technical Elective
\end{tabular} & 6 & C \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.
- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.
- Research and prepare for graduate school
- Apply for an engineering 4+1 program
- Develop a professional profile online.
- For additional information regarding Upper Division Computational Mechanics Technical Electives, please go to: Upper Division Computational Mechanics Technical Electives
- Plan for success using the Senior Guide.
- Use Handshake to apply for full-time positions.
- Complete an in-person or practice interview.
\begin{tabular}{|c|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MEE 489: Mechanical Engineering Design II & 3 & C & \\
\hline AEE 471: Computational Fluid Dynamics OR MAE 404: Finite Elements in Engineering & 3 & C & \\
\hline MEE 491: Experimental Mechanical Engineering (L) & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- For additional information about Upper Division Computational Mechanics Technical Electives, please go to: Upper Division Computational Mechanics Technical Electives

to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Mechanical Engineering (Energy and Environment), BSE

School/College: Ira A. Fulton Schools of Engineering
Location: Tempe campus
ESMAEEBSE
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (4. MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-MEE: The ASU Experience & 1 & \\
\hline CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline FSE 100: Introduction to Engineering & 2 & C \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.00 GPA ASU Cumulative.} \\
\hline Term hours subtotal & 16 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU 101-MEE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen: see advisor for petitioning replacement electives.
- If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See advisor.
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular} \\
\hline MAT 242: Elementary Linear Algebra & 2 & C & \\
\hline 4. MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline MAE 215: Introduction to Programming in MATLAB & 1 & C & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & & \\
\hline \multicolumn{4}{|l|}{4. Minimum 2.00 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{4. Complete CHM 114 OR CHM 116 course(s).} & \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subto & 16 & & \\
\hline
\end{tabular}
Term 3 32-48 Credit Hours Critical course signified by 4. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
4. MAT 275: Modern Differential Equations (MA)
(4) PHY 131: University Physics II: Electricity and Magnetism (SQ)
EEE 202: Circuits I
(4 Minimum 2.00 GPA ASU Cumulative.

\section*{Complete Mathematics (MA) requirement.}
\begin{tabular}{|c|c|c|}
\hline Term 448-62 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (1) MAE 202: Mechanics of Particles and Rigid Bodies II: Dynamics & 3 & C \\
\hline (4) MAE 213: Mechanics of Materials & 3 & C \\
\hline (4) MAE 241: Introduction to Thermodynamics & 3 & C \\
\hline MAE 214: Computer-Aided Engineering I & 1 & C \\
\hline MAE 384: Advanced Mathematical Methods for Engineers (CS) & 3 & C \\
\hline PHY 132: University Physics Laboratory II (SQ) & 1 & C \\
\hline Term hours su & 14 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 562-78 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline \% MEE 322: Structural Mechanics & 4 & C \\
\hline CHM 231: Elementary Organic Chemistry (SQ) OR CHM 233: General Organic Chemistry I & 3 & C \\
\hline MAE 242: Introduction to Fluid Mechanics & 3 & C \\
\hline MAE 301: Applied Experimental Statistics & 3 & C \\
\hline MSE 250: Structure and Properties of Materials & 3 & C \\
\hline Term hours s & 16 & \\
\hline
\end{tabular}
Term 6 78-93 Credit Hours Necessary course signified by
Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.
- Pursue an undergraduate research experience.
- Apply for internships.
- Attend career fairs and events.
- Develop a professional profile online.
- Develop a proressional profile onlie.

\section*{Notes}
- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.
- Research and prepare for graduate school.

MEE 323: Computer-Aided Engineering II \(\quad 2\) C
MEE 342: Principles of Mechanical Design \(\quad 3\)
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\(\begin{array}{l}\text { Term } 8 \text { 108-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- For additional information about Upper Division Energy and Environment Technical Electives \& Upper Division Technical Electives, please go to: Upper Division Energy and Environment Technical Electives \& Upper Division Technical Electives
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{Upper Division Energy and Environment Technical Electives} & Upper Division Technical Electives \\
\hline & \multirow[b]{2}{*}{AEE OR MAE OR MEE Upper Division Elective} \\
\hline BIO 320: Fundamentals of Ecology & \\
\hline CEE 361: Introduction to Environmental Engineering & AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) \\
\hline CEE 440: Hydrology & \multirow[t]{2}{*}{AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)} \\
\hline \multirow[t]{2}{*}{CEE 494: Energy Efficient Buildings and Systems} & \\
\hline & BIO 320: Fundamentals of Ecology \\
\hline \multirow[t]{2}{*}{CEE 494: Sustainable Energy and Material Use} & BME 300: Bioengineering Product Design \\
\hline & BME 318: Biomaterials \\
\hline CEE 494: Sustainable Energy Technologies & \multirow[b]{2}{*}{BME 350: Signals and Systems for Bioengineers} \\
\hline \multirow[t]{2}{*}{CHE 494: Biomass Energy Conversion Technology} & \\
\hline & \multirow[b]{2}{*}{BME 494: Bioenergy and Microbial Biotechnology} \\
\hline CHE 494: Fuel Cells \& Biofuel Cells & \\
\hline CHM 302: Environmental Chemistry & CEE 361: Introduction to Environmental Engineering \\
\hline \multirow[b]{2}{*}{EEE 360: Energy Systems and Power Electronics} & Engineering \\
\hline & CEE 372: Transportation Engineering \\
\hline EEE 460: Nuclear Power Engineering & \multirow[t]{2}{*}{CEE 400: Earth Systems Engineering and Management ((L or HU) \& H)} \\
\hline EEE 463: Electrical Power Plants & \\
\hline \multirow[t]{2}{*}{MAE 494: Energy Management} & CEE 440: Hydrology \\
\hline & \multirow[t]{2}{*}{CHM 302: Environmental Chemistry} \\
\hline \multirow[t]{3}{*}{\begin{tabular}{l}
MAE 494: Structural Materials in Nuclear \\
Power Systems or MSE 494: Structural \\
Materials in Nuclear Power Systems
\end{tabular}} & \\
\hline & CHM 325: Analytical Chemistry \\
\hline & CHE 494: Biomass Energy Conversion \\
\hline MEE 434: Internal Combustion Engines & \begin{tabular}{l}
Technology , Fuel Cells \& Biofuel Cells , \\
Molecular Sensor Systems for Health \&
\end{tabular} \\
\hline
\end{tabular}

MEE 440: Renewable Energy: Mechanical Systems

MEE 441: Wind Energy
MSE 460: Nanomaterials in Energy
Production and Storage
MSE 494: Electrochemical Energy Storage and Conversion
By approval only:
MAE 484: Internship

MAE 492: Honors Directed Study
MAE 493: Honors Thesis (L)
MAE 498: Pro-Seminar or MAE 499: Individualized Instruction
*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.

Environment, Nanobiotechnology, Polymer Principles \& Processing, Six Sigma
Methodology/Engineering Experimentation
EEE 304: Signals and Systems II
EEE 333: Hardware Design Languages and Programmable Logic

EEE 334: Circuits II
EEE 350: Random Signal Analysis
EEE 460: Nuclear Power Engineering
EEE 463: Electrical Power Plants
EEE 480: Feedback Systems
EGR 433: Transforms and Systems Modeling
EGR 455: Robotic Systems I
EGR 456: Robotic Systems II
FSE 301: Entrepreneurship and Value Creation

FSE 394: Engineering in Global Context
GLG 418: Geophysics
IEE 300: Economic Analysis for Engineers
IEE 305: Information Systems Engineering (CS)

IEE 376: Operations Research Deterministic Techniques/Applications

IEE 431: Engineering Administration (L)
MAT 300: Mathematical Structures (L)
MAT 310: Introduction to Geometry
MAT 362: Advanced Mathematics for
Engineers and Scientists
MAT 371: Advanced Calculus I
MAT 420: Scientific Computing
MAT 421: Applied Computational Methods (CS)

MAT 423: Numerical Analysis I (CS)
MAT 425: Numerical Analysis II (CS)
MAT 451: Mathematical Modeling (CS)
MAT 461: Applied Complex Analysis
MSE 330: Thermodynamics of Materials
MSE 355: Structure and Defects

MSE 450: Introduction to Materials
Characterization
MSE 460: Nanomaterials in Energy
Production and Storage
MSE 476: Growth and Processing of
Semiconductors

MSE 494: Bioinspired Materials and
Biomaterials, Electrochemical Energy Storage
and Conversion, Failure Analysis of Metallic
Materials, Manufacturing Processes for
Structural Materials, Structural Materials in
Nuclear Power Systems
PHY 310: Classical Particles, Fields, and Matter I

PHY 361: Introductory Modern Physics
SES 311: Essentials of Astrobiology:
Exploration for Life in the Universe
SES 350: Engineering Systems and
Experimental Problem Solving
By approval only:

MAE 484: Internship
MAE 492: Honors Directed Study

MAE 493: Honors Thesis (L)
MAE 498: Pro-Seminar or MAE 499: Individualized Instruction
*Students who do not meet the enrollment requirements for these courses may be allowed to enroll with instructor consent. Courses not listed here require a department petition form. To take any 494 class, please check with your advisor first. A max of 3 credits from MAE 484/498/499 can be applied toward the TE requirements.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Software Engineering, BS}

School/College: Ira A. Fulton Schools of Engineering
Location: Polytechnic campus
TSSERBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (1) CSE 110: Principles of Programming (CS) & 3 & C \\
\hline (1) MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-CSE: The ASU Experience & 1 & \\
\hline FSE 100: Introduction to Engineering & 2 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline Social-Behavioral Sciences (SB) OR Humanities, Arts and Design (HU) & 3 & \\
\hline
\end{tabular}

Minimum 2.00 GPA ASU Cumulative.
Term hours subtotal:
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-30 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline CSE 205: Object-Oriented Programming and Data Structures (CS) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline EGR 104: Critical Inquiry in Engineering (L) & 3 & C & \\
\hline MAT 266: Calculus for Engineers II (MA) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline
\end{tabular}

Term hours subtotal:
15


\begin{tabular}{|c|c|c|}
\hline SER 416: Software Enterprise: Project and Process Management & 3 & C \\
\hline SER 402: Computing Capstone Project II & 3 & C \\
\hline Upper Division Primary Focus Area & 3 & C \\
\hline Upper Division Secondary Focus Area & 3 & \\
\hline Term hours subtotal: & 12 & \\
\hline
\end{tabular}
- Select SER prefix course for primary focus. Consult with a Software Engineering academic advisor for course options.
- Consult with a Software Engineering academic advisor for secondary focus course options.
- - Students select both a primary and a secondary focus area. The primary focus area is comprised of 9 semester hours of upper division SER-prefix courses. During the junior year in the program, students should work with an academic advisor to identify course options/selection.
- The secondary focus area is comprised of 9 semester hours which form a coherent theme. At least 6 of the 9 semester hours must be upper division. Students should work with an academic advisor to identify course options/selection.
- Students who elect to take PHY121/122 and PHY131/132 for the lab science sequence will need to select another course (4 hours) from the Lab Science Sequence list below.

Hide Course List(s)/Track Group(s)
Lab Science Sequence

BIO 181: General Biology I (SQ) AND BIO
182: General Biology II (SG)
BIO 201: Human Anatomy and Physiology I
(SG) AND BIO 202: Human Anatomy and Physiology II (SG)

CHM 113: General Chemistry I (SQ) AND
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ) AND GLG 102: Introduction to Geology II (Historical) (SG \& H) AND GLG 104: Introduction to Geology II-Laboratory (SG)

PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)

Note: Students who want to take PHY121/122 and PHY131/132 for their Lab Science Sequence will need to select a different lab science course (4 hours) from the list.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Software Engineering, BS}

School/College: Ira A. Fulton Schools of Engineering
Location: Online
TSSERBS
\begin{tabular}{|c|c|c|c|c|}
\hline Term 1-A 0-6 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

\section*{ASU 101-UC: The ASU Experience}

FSE 100: Introduction to Engineering
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

Term hours subtotal:
6
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- If ENG 105 is taken, a three (3) semester hour elective course must also be taken prior to graduation
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 6-12 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. CSE 110: Principles of Programming (CS) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Prep for success using the Freshman Guide \\
- Join a Fulton community. \\
- Explore engineering and technical professions.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
Term 2 - A 12-18 Credit Hours Critical course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
Term 2 - B 18-24 Credit Hours Critical course signified by Hours \(_{\text {Mimum }}^{\text {Grade }}\)\begin{tabular}{c} 
Notes
\end{tabular}

Term hours subtotal: 6

\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 30-36 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

CSE 230: Computer Organization and Assembly Language Programming

MAT 267: Calculus for Engineers III (MA) OR MAT 275: Modern Differential Equations (MA)
\(3 \quad \mathrm{C}\)
C

C
- Prep for success using the Sophomore Guide.
- Consult the Resume, Presentation, and Resource Library for tips on how to create a

\begin{tabular}{|c|c|c|c|}
\hline Term 4-A 36-42 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. SER 222: Design and Analysis of Data Structures and Algorithms & 3 & C & \\
\hline EGR 104: Critical Inquiry in Engineering (L) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 42-48 Credit Hours & Hours & Minimum Grade & Notes \\
\hline SER 216: Software Enterprise: Personal Process and Quality & 3 & C & \\
\hline EGR 280: Engineering Statistics (CS) & 3 & C & experience. \\
\hline Term hours subtotal: & 6 & & \begin{tabular}{l}
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 48-54 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 5-B 54-60 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SER 315: Software Enterprise: Design and Process & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline SER 334: Operating Systems and Networks & 3 & C & \\
\hline Term hours subtot & 6 & & \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 6 \text { - A 60-66 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 66-73 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § SER 316: Software Enterprise: Construction and Transition & 3 & C & \multirow[b]{4}{*}{- In addition to PHY 121 and PHY 122, must complete 8 semester hours (2 courses) of lab science from the following: BIO 181, BIO 182, BIO 201, BIO 202, CHM 113, CHM 116, GLG 101/103, GLG 102/104, PHY 131/132.} \\
\hline PHY 121: University Physics I: Mechanics (SQ) & 3 & C & \\
\hline PHY 122: University Physics Laboratory I (SQ) & 1 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \begin{tabular}{l}
- Research and prepare for graduate school. \\
- Apply for an engineering 4+1 program. \\
- Develop a professional profile online.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 73-80 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W SER 415: Software Enterprise: Inception and Elaboration (L) & 3 & C & \\
\hline
\end{tabular}
Lab Science Sequence AND Natural Science - General (SG) or
Natural Science - Quantitative (SQ)
- In addition to PHY 121 and PHY 122, must complete 8 semester hours (2 courses) of lab science from the following: BIO 181, BIO 182, BIO 201, BIO 202, CHM 113, CHM 116, GLG 101/103, GLG 102/104, PHY 131/132.
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 80-87 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Primary Focus Area & 3 & C & \multirow[b]{2}{*}{- During the junior year of the program, students should contact an academic advisor to identify course options/selection.} \\
\hline Lab Science Sequence AND Natural Science - General (SG) or Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \begin{tabular}{l}
- In addition to PHY 121 and PHY 122, must complete 8 semester hours (2 courses) of lab science from the following: BIO 181, BIO 182, BIO 201, BIO 202, CHM 113, CHM 116, GLG 101/103, GLG 102/104, PHY 131/132. \\
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or practice interview.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SER 416: Software Enterprise: Project and Process Management & 3 & C & \multirow[t]{3}{*}{- Consult with a Software Engineering academic advisor for secondary focus course options.} \\
\hline Secondary Focus Area & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-B 93-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Primary Focus Area & 3 & C & \multirow[b]{3}{*}{- During the junior year of the program, students should contact an academic advisor to identify course options/selection.} \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SER 401: Computing Capstone Project I & 3 & C & \multirow[t]{3}{*}{- Consult with a Software Engineering academic advisor for secondary focus course options.} \\
\hline Upper Division Secondary Focus Area & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Upper Division Secondary Focus Area & 3 \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 \\
\hline Term hours subtotal & 6 \\
\hline
\end{tabular}
- Consult with a Software Engineering academic advisor for secondary focus course options.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \(\hat{\%}\) SER 402: Computing Capstone Project II & 3 & C & \\
\hline Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 10-B 117-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & - HST318 (History of Engineering) is \\
\hline
\end{tabular}
- - Students select both a primary and a secondary focus area. The primary focus area is comprised of 9 semester hours of upper division SER-prefix courses. During the junior year in the program, students should work with an academic advisor to identify course options/selection.
- The secondary focus area is comprised of 9 semester hours which form a coherent theme. At least 6 of the 9 semester hours must be upper division. Students should work with an academic advisor to identify course options/selection.
- Students who elect to take PHY121/122 and PHY131/132 for the lab science sequence will need to select another course (4 hours) from the Lab Science Sequence list below.

Hide Course List(s)/Track Group(s)
Lab Science Sequence
BIO 181: General Biology I (SQ) AND BIO
182: General Biology II (SG)
BIO 201: Human Anatomy and Physiology I
(SG) AND BIO 202: Human Anatomy and
Physiology II (SG)
CHM 113: General Chemistry I (SQ) AND
CHM 116: General Chemistry II (SQ)
PHY 131: University Physics II: Electricity
and Magnetism (SQ) AND PHY 132:
University Physics Laboratory II (SQ)
Note: Students who want to take PHY121/122
and PHY131/132 for their Lab Science
Sequence will need to select a different lab
science course (4 hours) from the list.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Technological Entrepreneurship and Management, BS}

School/College: W. P. Carey School of Business Ira A. Fulton Schools of Engineering Location: Polytechnic campus
TSTEM2BS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. ASU 101-TPS: The ASU Experience & 1 & & \multirow[b]{3}{*}{\begin{tabular}{l}
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students. \\
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
\end{tabular}} \\
\hline (1) TMC 110: Understanding the Enterprise & 3 & C & \\
\hline CIS 105: Computer Applications and Information Technology (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & - ASU Mathematics Placement \\
\hline TEM 100: Seminar in Entrepreneurship & 1 & C & Assessment score determines placement \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \begin{tabular}{l}
in mathematics course \\
- Prep for success using the Freshman Guide.
\end{tabular} \\
\hline Term hours subtotal: & 14 & & - Explore engineering and technical professions. \\
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (\%) TEM 200: My Technology Venture & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Create a Handshake profile. \\
- Get involved with EPICS, the Generator Labs, and the Fulton Start-Up Center.
\end{tabular}} \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline \multicolumn{3}{|l|}{4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 446-62 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Grade & Notes \\
\hline (1) ACC 241: Uses of Accounting Information II & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline (1) ECN 221: Business Statistics (CS) & 3 & C & \\
\hline TEM 250: Design Methodology & 3 & C & \\
\hline WPC 301: Business Forum OR TMC 300: Career Management & 1 & C & \\
\hline Focus Area & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline TMC 330: Leading the Enterprise OR MGT 300: Organization and Management Leadership & 3 & C \\
\hline FIN 300: Fundamentals of Finance & 3 & C \\
\hline FSE 301: Entrepreneurship and Value Creation & 3 & C \\
\hline TMC 310: Promotion of the Enterprise OR MKT 300: Marketing and Business Performance & 3 & C \\
\hline Upper Division Focus Area & 3 & C \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Plan for success using the Junior Guide.
- Network at student organization competitions or professional societies.
Term 6 77-92 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|}
\hline LES 305: Business Law and Ethics for Managers & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Elective & 1 & \\
\hline
\end{tabular}
- Students in this program select a primary focus area consisting of 9 hours of focused courses (minimum 6 of upper division). Sample focus areas are listed below. Additional focus areas may be available. Please check with your academic advisor.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{l} 
Focus Area: Innovation \& Operations \\
Management
\end{tabular} \\
\begin{tabular}{l} 
Focus Area: Social Entrepreneurship \\
OMT 343: Occupational Safety and \\
Ergonomics
\end{tabular} \\
\hline TEM 294: Social Entrepreneurship I \\
OMT 452: Industrial Human Resource \\
Management \\
OMT 480: Organizational Effectiveness
\end{tabular}

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Technological Entrepreneurship and Management, BS}

School/College: W. P. Carey School of Business Ira A. Fulton Schools of Engineering
Location: Online
TSTEM2BS
\begin{tabular}{|c|c|c|c|c|}
\hline Term 1-A 0-5 Credit Hours Critical course signified by \(\boldsymbol{y}^{4}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ASU 101-TPS: The ASU Experience 1
CIS 105: Computer Applications and Information Technology (CS)
OR EDT 180: Technology Literacy: Problem Solving using Digital
C Technology Applications (CS)

TEM 100: Seminar in Entrepreneurship
C
Term hours subtotal:

3

1
1

5
- ASU 101 is required of all freshman students; FSE 394 is required for all new transfer students.
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in Mathematics course
- Prep for success using the Freshman Guide.
- Join a Fulton community.
- Explore engineering and technical professions.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 5-14 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. TMC 110: Understanding the Enterprise & 3 & C & \multirow{4}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-A 14-23 Credit Hours & Hours & Minimum Grade & Notes \\
\hline MAT 211: Mathematics for Business Analysis & 3 & C & \multirow[b]{2}{*}{- Create aSun Devil CareerLink profile.} \\
\hline ECN 211: Macroeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
profile. \\
- Get involved with EPICS, the Generator Labs, and theFulton
\end{tabular} \\
\hline Term hours subtotal: & 9 & & Start-Up Center. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minim Grad & Notes \\
\hline (1. TEM 200: My Technology Venture & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{4}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 7} \\
\hline Term 3-A 30-39 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ACC 231: Uses of Accounting Information I
3 C
- Prep for success using the Sophomore Guide.
\begin{tabular}{|c|c|c|c|}
\hline - TEM 230: Creativity and Business Innovation & 3 & C & \multirow[t]{3}{*}{- Consult the Resume, Presentation, and Resource Library for tips on how to create a technical resume, job shadow, do informational interviews and mentor with alumni.} \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 3-B 39-46 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \multicolumn{4}{|l|}{¢. Complete TEM 100 course(s).} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 46-55 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1 ECN 221: Business Statistics (CS) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Pursue an undergraduate research experience. \\
- Apply for internships. \\
- Attend career fairs and events.
\end{tabular}} \\
\hline TEM 250: Design Methodology & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 4-B 55-62 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline (1) ACC 241: Uses of Accounting Information II & 3 & C & \\
\hline TMC 300: Career Management & 1 & C & \\
\hline Focus Area & 3 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-A 62-71 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TMC 310: Promotion of the Enterprise OR MKT 300: Marketing and Business Performance & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Plan for success using the Junior Guide. \\
- Network at student organization competitions or professional societies.
\end{tabular}} \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline FSE 301: Entrepreneurship and Value Creation & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 5-B 71-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TMC 330: Leading the Enterprise OR MGT 300: Organization and Management Leadership & 3 & C & \\
\hline Upper Division Focus Area & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 77-83 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TMC 320: Funding the Enterprise & 3 & C & \multirow{3}{*}{\begin{tabular}{l}
- Research and prepare for graduate school \\
- Develop a professional profile online.
\end{tabular}} \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 83-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline TEM 431: Innovation Management OR TEM 330: Systems Innovation & 3 & C & \\
\hline TMC 410: Enterprise Operations & 3 & C & \\
\hline SCM 300: Global Supply Operations & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-A 92-101 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § TEM 400: Technology Entrepreneurship & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Plan for success using the Senior Guide. \\
- Use Handshake to apply for full-time positions. \\
- Complete an in-person or practice interview.
\end{tabular}} \\
\hline TMC 430: Enterprise Strategy and Innovation & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-B 101-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
OMT 440: Introduction to International Business (G) OR ECN 306: \\
Survey of International Economics (SB \& G) OR MGT 302: Principles of International Business (G) OR MKT 425: Global Marketing \\
Management (G) OR SCM 463: Global Supply Chain Management (G)
\end{tabular}} & \\
\hline Upper Division Focus Area & 3 & C & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 8-A 107-113 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TMC 498: Pro-Seminar (L) OR TEM 482: Startup Workshop & 3 & C & \\
\hline \% MGT 430: Negotiations & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 8-B 113-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 1 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
- Students in this program select a primary focus area consisting of 9 hours of focused courses (minimum 6 of upper division). Sample focus areas are listed below. Additional focus areas may be available. Please check with your academic advisor.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|l|l}
\hline Focus Area: Social Entrepreneurship & \begin{tabular}{l} 
Focus Area: Innovation \& Operations \\
Management
\end{tabular} \\
\hline TEM 294: Social Entrepreneurship I & \begin{tabular}{l} 
OMT 343: Occupational Safety and \\
Ergonomics
\end{tabular} \\
\hline TEM 394: Social Entrepreneurship II & \begin{tabular}{l} 
OMT 452: Industrial Human Resource
\end{tabular} \\
\hline TEM 311: Opportunity Analysis & \begin{tabular}{l} 
Management \\
Academic Catalog Archive 2018-2019
\end{tabular}
\end{tabular}
\begin{tabular}{l} 
TEM 330: Systems Innovation \\
TEM 431: Innovation Management \\
TEM 450: Design for the Developing World \\
OMT 480: Organizational Effectiveness \\
\hline TEM 481: Consulting Project \\
TEM 311: Opportunity Analysis \\
\hline TEM 482: Startup Workshop \\
AGB Elective \\
\hline TMC 480: Senior Project
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Innovation in Society, BA
School/College: School for the Future of Innovation in Society
Location: Tempe campus
FIFISBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline FIS 101: SFIS: The ASU Experience & 1 & & \multirow[b]{6}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
- ASU Language Placement. Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline FIS 111: Welcome to the Future & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 142: College Mathematics (MA) OR Mathematics (MA) & 3 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of secondary education at a school in which the language of instruction is not English; \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; \\
* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.
\end{tabular} & 4 & C & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Create a first draft resume. \\
\hline Computer/Statistics/Quantitative Applications (CS) ( CIS 105 recommended) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of secondary education at a school in which the language of instruction is not English; \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; \\
* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.
\end{tabular} & 4 & C & \\
\hline Elective & 3 & & \\
\hline 1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-46 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) - & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. FIS 201: Innovation in Society (H) & 3 & C & \multirow[t]{3}{*}{- Secure a part-time job or volunteer experience} \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of secondary education at a school in which the language of instruction is not English; \\
* Completion of a language course at the intermediate level (202 or
\end{tabular} & & & \\
\hline
\end{tabular}
equivalent), including American Sign Language IV;
* Completion of upper division course(s) taught in a foreign language,
taken in the United States or the relevant country.
Complete 2 courses:
Elective
. Complete First-Year Composition requirement.
1. Complete Mathematics (MA) requirement.

\section*{Term hours subtotal: 16}
\begin{tabular}{|c|c|c|c|}
\hline Term 446-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. FIS 305: Ways of Knowing (L) & 3 & C & \multirow[b]{2}{*}{\begin{tabular}{l}
- Use handshake to research employment opportunities \\
- Explore an internship
\end{tabular}} \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of secondary education at a school in which the
language of instruction is not English;
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV;
* Completion of upper division course(s) taught in a foreign language,
taken in the United States or the relevant country.
Elective 3
Term hours subtotal:
14
Term 5 60-75 Credit Hours Necessary course signified by



Complete 2 courses:

```

JUS 325: Globalization and Socio-Economic
Justice (SB \& G)
JUS 445: Surveillance and Society
JUS 456: Human Rights and Sustainability ((L
or SB) \& G)
PAF 300: Public Management and
Administration
PAF 311: Leadership and Change (SB)
SOS 315: Energy Policy
SOS 320: Society and Sustainability (L or SB)
SOS 321: Policy and Governance in
Sustainable Systems
SOS 322: International Development and
Sustainability
SOS 327: Sustainable Food and Farms
SOS 328: Sustainability and Enterprise
TCL 447: Gender, Culture, and Development
((L or SB) \& G)
WST 440: Politics of Women's Health (SB \&
C)

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Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Innovation in Society, BS
School/College: School for the Future of Innovation in Society
Location: Tempe campus
FIFISBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) FIS 101: SFIS: The ASU Experience & \multicolumn{2}{|l|}{1} & \multirow[b]{2}{*}{- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement} \\
\hline (4) FIS 111: Welcome to the Future & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \begin{tabular}{l}
into first-year composition courses \\
- Mathematics Placement Assessment
\end{tabular} \\
\hline MAT 170: Precalculus (MA) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & - ASU 101 or college-specific \\
\hline Term hours subtotal: & 14 & & \begin{tabular}{l}
equivalent First-Year Seminar required of all freshman students \\
- Join a student club or professional organization
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Create a first draft resume \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Complete 2 courses: Elective & 6 & & \\
\hline
\end{tabular}

Term hours subtotal:



Hide Course List(s)/Track Group(s)

FIS 331: Technology and the Modern World FIS 332: Risk and the Future (L)

FIS 333: Governing Emerging Technologies (SB)

FIS 334: Science, Technology and Inequality (C)

FIS 335: Designing Knowledge (SB) FIS 336: Science and Technology Policy FIS 337: Innovation and Global Development (G)

AEE OR AET OR AML OR ASM OR AST OR BIO OR BCH OR BME OR CEE OR CHE OR CNE OR EEE OR EET OR EGR OR FSE OR GLG OR GPH OR IEE OR LSE OR MAE OR MAT OR MBB OR MEE OR MET OR MFG OR MIC OR MSE OR PHS OR PHY OR PLB OR STP Elective

ASB 452: Community Partnerships for Global Health (SB)

BIO 311: Biology and Society
BIO 312: Bioethics (HU)
BIO 320: Fundamentals of Ecology
BIO 324: Environmental Ethics (HU)
BIS 301: Foundations of Interdisciplinary Studies (L)

CEE 300: Engineering Business Practice (L)
COM 312: Communication, Conflict, and Negotiation

COM 314: Inner-City Families: The Cycle of Poverty

COM 421: Rhetoric of Social Issues (HU)
COM 426: Political Communication (SB)
ECN 355: Economics of Healthcare
ECN 445: Environmental Economics
FIS 431: Technology, Security and Insecurity in Global Politics

GPH 314: Global Change (HU \& G)
HPS 314: Philosophy of Science (HU)
HPS 322: History of Science (HU \& H)
HPS 340: Biology and Society
HST 318: History of Engineering ((L or SB) \& G)

HST 345: Environmental History (L)
JUS 303: Justice Theory (L)
JUS 325: Globalization and Socio-Economic Justice (SB \& G)

JUS 445: Surveillance and Society
JUS 456: Human Rights and Sustainability ((L or SB) \& G)

PAF 300: Public Management and Administration

PAF 311: Leadership and Change (SB)
SOS 315: Energy Policy
SOS 320: Society and Sustainability (L or SB)
SOS 321: Policy and Governance in Sustainable Systems

SOS 322: International Development and
Sustainability
SOS 327: Sustainable Food and Farms
SOS 328: Sustainability and Enterprise
TCL 447: Gender, Culture, and Development \(((\mathrm{L}\) or SB\() \& G)\)

WST 440: Politics of Women's Health (SB \& C)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Global Management - Internatl Business \& Culture, BGM
School/College: Thunderbird School of Global Management
Location: West campus
TBTGMBGM
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

TGM 101: Principles of Global Management (G)
3
C
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

MAT 117: College Algebra (MA)
3
1
TGM 191: First-Year Seminar
Historical Awareness (H) 3
Elective
3
Term hours subtotal:
16

An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Create a first draft resume.
- Create your LinkedIn Profile.
- Create your Handshake profile.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 TGM 200: Principles of Accounting for Global Organizations & 3 & C & \multirow[t]{2}{*}{- Minimum 2.25 ASU cumulative GPA is required for COM 263 in term 3.} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \multirow[t]{2}{*}{\begin{tabular}{l}
- Network in your career interest area. \\
- Join a student club or professional
\end{tabular}} \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \begin{tabular}{l}
organization. \\
- Secure a part-time job or volunteer
\end{tabular} \\
\hline Humanities, Arts and Design (HU) & 3 & & - Secure a part-time job or volunteer experience. \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

\section*{-. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).}

Term hours subtotal: 15
\begin{tabular}{|c|c|c|c|}
\hline Term 3 31-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ¢. TGM 204: Principles of Marketing for Global Organizations & 3 & C & \multirow{8}{*}{- Develop your skills.} \\
\hline COM 225: Public Speaking (L) & 3 & C & \\
\hline COM 263: Elements of Intercultural Communication (SB \& C \& G) & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- Minimum 2.50 ASU cumulative GPA is required to register for LES 305 in term 5.
\begin{tabular}{|c|c|c|c|}
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & \multicolumn{2}{|l|}{4} & \multirow[t]{3}{*}{- Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to begin planning for the best study abroad options for your major.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 5 63-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
LES 305: Business Law and Ethics for Managers OR PHI 306: \\
Applied Ethics (HU) OR PHI 360: Business and Professional Ethics \\
(HU) OR PHI 406: Moral Dilemmas (L or HU)
\end{tabular}} & \multirow[t]{6}{*}{\begin{tabular}{l}
- Work with your academic advisor to start planning your required internship experience in Term 7. \\
- Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to begin planning for the best study abroad options for your major.
\end{tabular}} \\
\hline \multicolumn{3}{|l|}{ENG 301: Writing for the Professions (L)} & \\
\hline TGM 300: Principles of Finance for Global Organizations & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 6 78-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline T TGM 353: Regional Management Environment (G) & 3 & C & ork with your academic advisor to start \\
\hline TGM 400: Advanced Topics in Global Management & 3 & C & planning your required internship \\
\hline Upper Division Elective & 3 & & - Research employment opportunities. \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & - Complete an in person or virtual practice interview. \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 7 93-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 3 TGM 468: States and Markets in a Global Economy (SB \& G) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- An internship experience is required. \\
- Gather professional references. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline 5 TGM 484: Internship & 3-6 & C & \\
\hline Complete 2 courses: & \multicolumn{2}{|l|}{\multirow[t]{2}{*}{6}} & \\
\hline Upper Division Elective 6 & & & \\
\hline Term hours subtotal: & 12-15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline T TGM 489: Multinational Organizational Leadership & 3 & C & \\
\hline 5 TGM 498: Pro-Seminar (L) & 3 & C & \\
\hline Complete 2 courses: & \multicolumn{2}{|l|}{\multirow[t]{2}{*}{6}} & \\
\hline Upper Division Elective & & & \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:

Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Global Management - Intl Business, Lang \& Culture, BGM
School/College: Thunderbird School of Global Management
Location: West campus
TBTGMBGM
\begin{tabular}{l} 
Term 10-14 Credit Hours Critical course signified by 4 \\
\begin{tabular}{l} 
4. TGM 101: Principles of Global Management (G)
\end{tabular} \\
\hline ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition \\
Grade
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in Mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Chinese or Spanish); Elective credits may require adjustment. See advisor.
- Create a first draft resume.
- Create your LinkedIn profile.
- Create your Handshake profile.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline 4 TGM 200: Principles of Accounting for Global Organizations & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Chinese or Spanish); Elective credits may require adjustment. See advisor. \\
- Network in your career interest area. \\
- Join a student club or professional organization. \\
- Secure a part-time job or volunteer experience.
\end{tabular}} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline Foreign Language II & 4-5 & C & \\
\hline Elective & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16-17 & & \\
\hline Term 3 30-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline 4 . TGM 204: Principles of Marketing for Global Organizations & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Chinese or Spanish); Elective credits may require adjustment. See advisor. \\
- Develop your skills.
\end{tabular}} \\
\hline COM 225: Public Speaking (L) & 3 & C & \\
\hline ECN 211: Macroeconomic Principles (SB) & 3 & C & \\
\hline Foreign Language III & 4-5 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline 4 Complete First-Year Composition requirement. & & & \\
\hline \multicolumn{3}{|l|}{1. Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 17-18 & & \\
\hline Term 4-64 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline STP 226: Elements of Statistics (CS) & 3 & C \\
\hline ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline Foreign Language IV & 4-5 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science General (SG) & 4 & \\
\hline Term hours subtotal: & 17-18 & \\
\hline
\end{tabular}
- Foreign Language: Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Chinese or Spanish); Elective credits may require adjustment. See advisor.
- Minimum 2.50 ASU cumulative GPA is required to register for LES 305 in term 5.
- Minimum 2.25 ASU cumulative GPA is required to register for COM 263 in term 5.
- Term 5 or Term 6 is preferred for study abroad. Meet with your academic advisor to discuss the best study abroad option for your major.
Advanced Language \& Culture courses can be taken at an international host institution while abroad. Make sure to get your credits approved through your academic advisor prior to departure.
\(\begin{array}{l}\text { Term } 5 \text { 64-78 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{l} 
Notes
\end{tabular}
Term 6 78-93 Credit Hours Necessary course signified by \begin{tabular}{c|c|c|c|}
\hline & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\(\qquad\)
TGM 400: Advanced Topics in Global Management 3

\section*{Complete 3 courses:}
Upper Division Elective

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
Term 7 93-105 Credit Hours Necessary course signified by
TGM 468: States and Markets in a Global Economy (SB \& G) Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
- Work with your academic advisor to start planning your required internship experience in Term 7.
- Research employment opportunities.
- Complete an in person or virtual practice interview.
\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TGM 489: Multinational Organizational Leadership & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline TGM 498: Pro-Seminar (L) & 3 & C \\
\hline Upper Division Advanced Language and Culture Course & 3 & C \\
\hline Historical Awareness (H) & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Foreign Language I & Foreign Language II & Foreign Language III \\
\hline MND 101: First-Year Chinese I & MND 102: First-Year Chinese II & MND 201: Second-Year Chinese I \\
\hline SPA 101: Elementary Spanish & SPA 102: Elementary Spanish & SPA 201: Intermediate Spanish (G) \\
\hline Foreign Language IV & Advanced Language and Culture Courses & \\
\hline MND 202: Second-Year Chinese II & AMS 327: Regional Cultures & \\
\hline SPA 202: Intermediate Spanish (G) & AMS 412: Studies in American Politics \& Law & \\
\hline & ASB 340: Migration and Culture (SB \& G) & \\
\hline & ASB 342: Mexico-U.S. Borderlands (SB \& C) or SBS 342: Mexico-U.S. Borderlands (SB \& C) & \\
\hline & ASB 356: Central American Studies (SB \& G) & \\
\hline & ASB 442: Global Cities (SB \& G) & \\
\hline & ASB 447: Citizenship, Nationalism, and Identity (SB \& C) & \\
\hline & COM 312: Communication, Conflict, and Negotiation & \\
\hline & COM 353: Professional Communication & \\
\hline & COM 371: Language, Culture, and Communication (SB \& C \& G) & \\
\hline & COM 414: Crisis Communication & \\
\hline & COM 415: Risk Communication & \\
\hline & COM 429: Semiotics and Visual Communication & \\
\hline & COM 451: Communication and Work Relationships & \\
\hline & COM 453: Communication Training and Development & \\
\hline & COM 457: New Media & \\
\hline & COM 471: Global Media and Cultural Identity
(G) & \\
\hline & ENG 317: Cross-Cultural Writing ((L or HU) \& G) & \\
\hline & Academic Catalog Archive 2018-2019 & 2767 \\
\hline
\end{tabular}
HST 305: Studies in Latin American History
(SB \& H)
HST 376: Modern Latin America (SB \& H)
HST 404: Conquest and Encounters in
Colonial Latin America (L \& G)
HST 413: Contemporary America ((L or SB)
\& H)
HST 441: Latin America and the World
Economy (L \& G \& H)
HST 447: Modern Mexico (SB \& H)
HST 454: History of Genocide (G \& H)
IAP 302: Cross-Cultural Perspectives on the
Arts (L or HU)
IAS 406: Moral Dilemmas (L or HU) or PHI
406: Moral Dilemmas (L or HU)
LAS 410: Evolution of Ideas (L or HU)
LAS 394: Special Topics
LAS 330: From the Inside: The Latin
LAS 355: Contemporary Mexican Cinema:
Changing Cartographies
American Journey (HU)
LAS 340: Latin American Women Writers
LAS 350: The Construction of a Nation: Chile
in the 20th/21st Century
LAS 351: Cityscapes: Urban Mexican
Literature and Culture
Lhicano/a History (C)
Len
LA LAS 428: Chicano Cultures in the Southwest (SB) LAS 430: Gender on the Borderlands (SB \& G)

LAS 450: Latina/os, Schooling and Social Inequality (C)

LAS 471: Treaties and Cultural Production in Spain and the Americas

LAS 473: Indigenous and Latina/Chicana Representation (SB \& C)

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU \& G)

LAS 494: Special Topics


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

\section*{2018-2019 Major Map}

International Trade, BS
School/College: Thunderbird School of Global Management
Location: West campus
TBINTRABS
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {(1) }}\) & Hours & Minimum Grade \\
\hline 1. TGM 101: Principles of Global Management (G) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline MAT 117: College Algebra (MA) & 3 & C \\
\hline SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) \& G) & 3 & C \\
\hline TGM 191: First-Year Seminar & 1 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal & 16 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in Mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Create a first draft resume.
- Create your LinkedIn profile.
- Create your Handshake profile.
\begin{tabular}{|c|c|c|}
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 4. TGM 200: Principles of Accounting for Global Organizations & 3 & C \\
\hline COM 225: Public Speaking (L) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline
\end{tabular}

Term hours subtotal: \(\quad 15\)
Term 3 31-47 Credit Hours Critical course signified by
4. TGM 204: Principles of Marketing for Global Organizations Nours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 47-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4. STP 226: Elements of Statistics (CS) & 3 & C \\
\hline COM 263: Elements of Intercultural Communication (SB \& C \& G) & 3 & C \\
\hline ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline
\end{tabular}


Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:

Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Business (Global Logistics Management), BA
School/College: W. ....... Carey School of Business
Location:
BABUSGLBA
and
International
Trade, BS
Thunderbird School of Global Management TBINTRABS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & Minimum Grade & Notes \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics
\end{tabular}} \\
\hline MAT 210: Brief Calculus (MA) & 3 & C & \\
\hline TGM 101: Principles of Global Management (G) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & course. \\
\hline ENG 107 or ENG 108: First-Year Composition & & & - ASU 101 or college-specific equivalent \\
\hline TGM 191: First-Year Seminar OR WPC 101: Student Success in Business & 1 & & First-Year Seminar required of all freshman students. \\
\hline Humanities, Arts and Design (HU) & 3 & & - Create a first draft resume.
- Create your LinkedIn profile. \\
\hline Term hours subtotal: & 16 & & - Create your Handshake profile. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 2 16-32.25 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline (1) MAT 211: Mathematics for Business Analysis & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline COM 225: Public Speaking (L) & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & \\
\hline Term hours subtotal: & 16.25 & \\
\hline Term 3 32.25-47.50 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 1. ACC 231: Uses of Accounting Information I & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline 4 ECN 221: Business Statistics (CS) & 3 & C \\
\hline TGM 204: Principles of Marketing for Global Organizations OR MKT 300: Marketing and Business Performance & 3 & C \\
\hline WPC Career Preparation Course & 0.25 & \\
\hline
\end{tabular}


 WPC 449: Campus to Career

Total Hours: 121.00
Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Food Service Management), BAS}

School/College: College of Health Solutions
Location: Downtown Phoenix campus
ECNTRBAS
\begin{tabular}{|c|c|c|c|}
\hline Applicable Community College Prerequisites 0 - 60 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
AAS Transfer Degree Block
- Students may meet lower division general studies requirements with the AAS degree
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
Term 5 60-75 Credit Hours Necessary course signified by
\(\leadsto\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s)

Term hours subtotal: 15

\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline NTR 401: Preprofessional Preparation in Nutrition & 3 & C \\
\hline NTR 344: Nutrition Management and Leadership (L) & 3 & C \\
\hline NTR 345: Development of Healthy Cuisines & 3 & C \\
\hline NTR 450: Nutrition in the Life Cycle (SB) & 3 & C \\
\hline NTR 455: Retail Food Service Operations & 3 & C \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Apply for full-time career opportunities

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Health Sciences), BAS}

School/College: College of Health Solutions
Location: Downtown Phoenix campus, ASU@Yavapai
NUHSCBAS
\begin{tabular}{|c|c|c|c|}
\hline Applicable Community College Prerequisites 0 - 60 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
AAS Transfer Degree Block
- Students may meet lower division general studies requirements with the AAS degree
- Students must complete all ASU general studies requirements (including upper-division) in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.

Term 7 90-105 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|}
\hline MED 300: Historical and Contemporary Issues in Health (L) & 3 & C \\
\hline Upper Division Vulnerable Populations & 3 & C \\
\hline Upper Division Policy and Organizations & 3 & C \\
\hline Upper Division Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{ll} 
Professional Communication and Education & Policy and Organizations
\end{tabular} \\
\begin{tabular}{l} 
EXW 446: Health Promotion and Program \\
Evaluation
\end{tabular} \\
\hline HCD 303: Global Health Care Systems (G)
\end{tabular} \begin{tabular}{l} 
EXW 450: Social Determinants of Health and \\
HCD 310: Health Communication
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Health Sciences), BAS}

School/College: College of Health Solutions
Location: Online
NUHSCBAS
\begin{tabular}{|c|c|c|c|}
\hline Applicable Community College Prerequisites 0 - 60 Credit Hours & Hours & Minimum Grade & Notes \\
\hline AAS Transfer Degree Block & 60 & & \\
\hline Term hours subtotal: & 60 & & \begin{tabular}{l}
studies requirements with the AAS degree. \\
- Students must complete all ASU general studies requirements (including upper-division) in order to earn ASU BAS degree. \\
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 60-67 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Any needed lower division General Studies requirement OR Elective \\
Term hours subtotal:
\end{tabular} & \begin{tabular}{l}
7 \\
7
\end{tabular} & ............ & - Develop your professional online presence \\
\hline Term 5-B 67-74 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCD 210: Cultural Aspects of Health (C) & 3 & C & \\
\hline Any needed lower division General Studies requirement OR Elective & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 6-A 74-80 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § HCD 300: Biostatistics (CS) & 3 & C & \\
\hline Upper Division Professional Communication and Education & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 80-86 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

EXW 302: Fundamentals of Wellness (L) 3
HCD 320: Applied Medical/Health Care Ethics (HU) 3
\(\leadsto\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6

\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 92-98 Credit Hours & Hours & Grade & Notes \\
\hline Upper Division Professional Communication and Education & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 98-104 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Pollicy and Organization & 3 & C & \\
\hline Upper Division Vulnerable Populations & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 104-110 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HSC 420: Evaluation of Health Sciences Research OR HCD 400: Interpreting the Scientific Literature & 3 & C & \\
\hline Upper Division Pollicy and Organization & 3 & C & \\
\hline Towal & 6 & & \\
\hline Term 9-A 110-116 Credit Hours & Hours & Minimum Grade & Notes \\
\hline MED 300: Historical and Contemporary Issues in Health (L) & 3 & C & \multirow[t]{3}{*}{- Apply for full-time career opportunities} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 116-120 Credit Hours & Hours & Minimum
Grade & Notes \\
\hline Upper Division Vulnerable Populations & 3 & C & \\
\hline Elective & 1 & & \\
\hline Term hours subtotal: & 4 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Hide Course List(s)/Track Group(s) & & \\
\hline Professional Communication and Education & Vulnerable Populations & Policy and Organizations \\
\hline HCD 310: Health Communication & \multirow[t]{2}{*}{EXW 450: Social Determinants of Health and Health Behavior ((L or SB) \& C)} & HCD 303: Global Health Care Systems (G) \\
\hline HSC 340: Changing Health Behaviors & & HCD 330: Health Care Systems in the U.S. \\
\hline \multirow[t]{2}{*}{NTR 302: Digital Technologies in Nutrition Communication} & HCD 410: Supporting the Health of Older Adults & HCD 332: Health Care Legislation \\
\hline & HCD 412: Health Issues in Later Life & HCD 432: Legal Issues in Health Care \\
\hline NTR 351: Nutrition Communication (L) & \multirow[t]{2}{*}{MED 445: Science of Helping in Health} & \multirow[t]{2}{*}{NTR 320: History of Human Nutrition} \\
\hline \multirow[t]{2}{*}{NTR 453: Nutrition and the Media} & & \\
\hline & NTR 348: Cultural Aspects of Food (SB \& C \& G) & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ - Humanities, Arts and Design (HU) \\ - Social-Behavioral Sciences (SB) \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Medical Laboratory Science), BAS}

School/College: College of Health Solutions
Location: Downtown Phoenix campus
NUMLSBAS
\begin{tabular}{|c|c|c|c|}
\hline Applicable Community College Prerequisites 0 - 90 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline AAS Transfer Degree Block & 90 \\
\hline
\end{tabular}
- Students may meet lower division general studies requirements with the AAS degree
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree.
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\begin{tabular}{|c|c|c|c|}
\hline Term 590-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & \multicolumn{2}{|l|}{3} & \multirow[t]{4}{*}{- Develop your professional online presence} \\
\hline Upper Division Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 699-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MDL 410: Laboratory Leadership & 1 & C & \\
\hline MDL 420: Advanced Clinical Urinalysis and Body Fluids & 2 & C & \\
\hline MDL 430: Advanced Hematology and Hemostasis & 3 & C & \\
\hline MDL 440: Advanced Immunohematology and Immunology & 3 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Summer 6 108-112 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline MDL 421: Advanced Practicum in Clinical Urinalysis and Body Fluids & 1 & C & \\
\hline MDL 431: Advanced Practicum in Hematology and Hemostasis & 1 & C & \\
\hline MDL 441: Advanced Practicum in Immunohematology and Immunology & 2 & C & \\
\hline Term hours subtotal: & 4 & & \\
\hline Term 7 112-118 Credit Hours & Hours & Minimum Grade & Notes \\
\hline MDL 450: Advanced Clinical Mic..................................................... & 3 & C & \multirow[t]{2}{*}{- Gather professional references} \\
\hline MDL 460: Advanced Clinical Chemistry & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8118-120 Credit Hours & Hours & Grade & Notes \\
\hline MDL 451: Advanced Practicum: Clinical Microbiology & 1 & C & \multirow{3}{*}{- Apply for full-time career opportunities} \\
\hline MDL 461: Advanced Practicum: Clinical Chemistry & 1 & C & \\
\hline Term hours subtotal: & 2 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Biomedical Informatics, BS
School/College: College of Health Solutions
Location: Tempe campus
ESBMIBS
\begin{tabular}{|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 1. MAT 251: Calculus for Life Sciences (MA) & 3 & C \\
\hline CHS 101: The ASU Experience for Health Solutions Students & 1 & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline Health \& Well-Being & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S.
(C) & 3 & \\
\hline Term hours subtotal: & 13 & \\
\hline
\end{tabular}

Notes
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3.


- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300 .

Hide Course List(s)/Track Group(s)
\begin{tabular}{lll} 
Health Communication & Teamwork \& Leadership in Health & Health \& Well-Being \\
\hline \begin{tabular}{ll} 
EXW 450: Social Determinants of Health and \\
Health Behavior \(((\mathrm{L}\) or SB\() \& \mathrm{C})\) & EXW 320: Management and Leadership in \\
Exercise and Wellness & CHS 100: Foundations of Health \& \\
EXW 452: Health Advocacy in Health & EXW 466: Health Promotion Program \\
Education & Management and Administration
\end{tabular} & CHS 300: The Science of Happiness
\end{tabular}

HCD 210: Cultural Aspects of Health (C)
HCD 310: Health Communication
NTR 351: Nutrition Communication (L)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Exercise and Wellness, BS
School/College: College of Health Solutions
Location: Downtown Phoenix campus

\section*{ECEXERBS}
\begin{tabular}{l} 
Term 10-16 Credit Hours Critical course signified by 4. \\
\begin{tabular}{l} 
4. CHS 101: The ASU Experience for Health Solutions Students
\end{tabular} \\
\begin{tabular}{l} 
Minimum \\
Grade
\end{tabular} \\
\hline EXW 101: Foundations in Exercise Science and Wellness
\end{tabular}
- An SAT, ACT, Accuplacer, IELTSor TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- If student plans to eventually enter a graduate school, a higher level math should be taken in term 1 or later as an elective if the student only tests into MAT 117 in term 1 and get the prerequisite checksheet from the academic advisor.
- Join a student club or professional organization.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-30 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) & 4 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Students who plan to pursue a physical therapy graduate program should take CHM 113 rather than CHM 101 as long as they meet the MAT 170 prerequisite. \\
- Look in to the \(4+1\) options in the major.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
EXW 214: Flexibility Instructional Competency Laboratory OR EXW 216: Muscular Strength Instructional Competency Laboratory OR EXW 218: Cardiovascular Instructional Competency Laboratory
\end{tabular} & 4 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Health \& Well-Being & 3 & C & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Complete EXW 101 course. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline 4 BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Secure a part-time job or volunteer experiences. \\
- Become a student member of a professional organization.
\end{tabular}} \\
\hline \begin{tabular}{l}
EXW 214: Flexibility Instructional Competency Laboratory OR EXW \\
216: Muscular Strength Instructional Competency Laboratory OR EXW \\
218: Cardiovascular Instructional Competency Laboratory
\end{tabular} & 2 & C & \\
\hline STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR HCD 300: Biostatistics (CS) & 3 & C & \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline
\end{tabular}

Complete Mathematics (MA) requirement.
Term hours subtotal: 15
\begin{tabular}{|c|c|c|c|}
\hline Term 45-62 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline BIO 202: Human Anatomy and Physiology II (SG) & 4 C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 \\
\hline Social-Behavioral Sciences (SB) & 3 \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 7 \\
\hline
\end{tabular}

Term hours subtotal: 17
Term 562-76 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c|cc} 
Minimum \\
Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline EXW 315: Physiological Foundations of Movement AND EXW 316: Physiological Foundations of Movement Laboratory & 4 & C \\
\hline EXW 330: Kinesiological Foundations of Movement & 4 & C \\
\hline EXW 450: Social Determinants of Health and Health Behavior ((L or SB) \& C) & 3 & C \\
\hline Upper Division Specialty Focus Area & 3 & C \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 676-93 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline EXW 284: Exercise and Wellness PreInternship & 1 & C \\
\hline EXW 342: Health Behavior Change & 3 & C \\
\hline \% EXW 420: Exercise Testing & 4 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Specialty Focus Area
\end{tabular} & 6 & C \\
\hline Teamwork \& Leadership in Health & 3 & C \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline Term hours subtotal: & 17 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Specialty Focus Area
\end{tabular} & 6 & C & - If the course chosen to fulfill an Upper \\
\hline Health Informatics \& Problem Solving & 3 & C & college competency, then the student will \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & need an additional 3 credit elective. \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EXW 484: Internship & 6 & C & \\
\hline Elective & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 12} \\
\hline Academic Catalog & Archive 201 & 8-2019 & 2790 \\
\hline
\end{tabular}
- \(\quad\) Students will select their specialty focus courses with the advice of the academic advisor. Students interested in taking NTR 457 Sports Nutrition as one of their specialty focus courses need to take NTR 241 as their elective in term 4.
- If the course chosen to fulfill the Specialty Focus Area also meets a college competency, the student will need an additional 3 credit elective to help meet University requirements.
- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Specialty Focus Area & Health \& Well-Being & Health Informatics \& Problem-Solving \\
\hline \multirow[t]{3}{*}{EXW 320: Management and Leadership in Exercise and Wellness} & \multirow[t]{2}{*}{CHS 100: Foundations of Health \& Well-Being (SB)} & \multirow[t]{2}{*}{BMI 201: Introduction to Clinical Informatics} \\
\hline & & \\
\hline & & \multirow[t]{2}{*}{EXW 344: Physical Activity in Health and Disease} \\
\hline EXW 325: Fitness for Life & CHS 300: The Science of Happiness & \\
\hline \multirow[t]{2}{*}{EXW 344: Physical Activity in Health and Disease} & & \multirow[t]{3}{*}{NTR 290: Introduction to Evidence-Based Practice (L) or KIN 290: Introduction to Evidence-Based Practice (L)} \\
\hline & & \\
\hline \multirow[t]{2}{*}{EXW 350: Substance Abuse and Addictive Behavior} & & \\
\hline & & \\
\hline EXW 380: Body Image and Wellness & & \\
\hline EXW 400: Stress Management for Wellness & & \\
\hline \multirow[t]{2}{*}{EXW 410: Obesity Perspectives and Prescriptions} & & \\
\hline & & \\
\hline EXW 425: Exercise Prescription & & \\
\hline \multirow[t]{2}{*}{EXW 434: Sports Movement and Conditioning} & & \\
\hline & & \\
\hline \multirow[t]{2}{*}{EXW 446: Health Promotion and Program Evaluation} & & \\
\hline & & \\
\hline EXW 460: Resistance Training Application and Theory & & \\
\hline EXW 494: Motivational Interviewing & & \\
\hline \multirow[t]{2}{*}{EXW 494: Plyometrics and Power Transfer Exercise} & & \\
\hline & & \\
\hline KIN 442: Fuel Metabolism & & \\
\hline KIN 447: ECG Interpretation & & \\
\hline NTR 457: Sports Nutrition & & \\
\hline Teamwork \& Leadership in Health & & \\
\hline \multirow[t]{2}{*}{EXW 320: Management and Leadership in Exercise and Wellness} & & \\
\hline & Academic Catalog Archive 2018-2019 & 2791 \\
\hline
\end{tabular}
Hide Course List(s)/Track Group(s)
Specialty Focus Area
EXW 320: Management and Leadership in
Exercise and Wellness
EHS 100: Foundations of Health \&
EXW 325: Fitness for Life Practice (L) or KIN 290: Introduction to Evidence-Based Practice (L)

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Health Education and Health Promotion, BS}

School/College: College of Health Solutions
Location: Downtown Phoenix campus, ASU@Lake Havasu
NHHEHPBS
\begin{tabular}{l} 
Term 10-16 Credit Hours Critical course signified by \\
(7) CHS 101: The ASU Experience for Health Solutions Students \\
\hline EXW 100: Introduction to Health and Wellness (SB) \\
\hline ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition \\
Minimum \\
Grade
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Students who plan to apply to a graduate program after graduation may wish to take a higher level math than that required for this degree. If the student decides to do so but tests into MAT 117 in term 1, an elective later in the program may be used to take a higher level math.
- Create a first draft resume.

\begin{tabular}{|c|c|c|c|}
\hline Term 448-64 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. BIO 202: Human Anatomy and Physiology II (SG) & 4 & C & \\
\hline Health Informatics \& Problem Solving & 3 & C & \\
\hline Literacy and Critical Inquiry (L) OR Elective & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
Term 5 64-76 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 676-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EXW 284: Exercise and Wellness PreInternship & 1 & C & \multirow[b]{2}{*}{- Complete an in person or virtual practice interview.} \\
\hline EXW 450: Social Determinants of Health and Health Behavior ((L or SB) \& C) & 3 & C & \\
\hline EXW 454: Health Promotion Program Planning and Implementation & 3 & C & - EXW 450 meets the college's Health Communication competency \\
\hline EXW 456: Health Promotion Program Evaluation & 3 & C & \multirow[t]{2}{*}{- If the course chosen to fulfill the Upper Division HEHP Major Elective also meets a college competency, the student will need an additional 3 credit elective to help meet} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division HEHP Major Electives
\end{tabular} & 6 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global & & & University requirements. \\
\hline
\end{tabular}

Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 792-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EXW 452: Health Advocacy in Health Education & 3 & C & \\
\hline EXW 466: Health Promotion Program Management and Administration & 3 & C & 2.0 in order to take the EXW 484 Internship in term 8. \\
\hline EXW 400: Stress Management for Wellness & 3 & C & - Apply for full-time career opportunities. \\
\hline EXW 476: Community Health & 3 & C & \\
\hline Upper Division HEHP Major Electives & 3 & C & - EXW 466 meets the college's Teamwork \& Leadership in Health competency \\
\hline Term hours subtotal: & 15 & & - If the course chosen to fulfill the Upper Division HEHP Major Elective also meets a college competency, the student will need an additional 3 credit elective to help meet University requirements. \\
\hline
\end{tabular}
Term 8 107-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|}
\hline EXW 484: Internship & 3 & C \\
\hline EXW 484: Internship OR Upper Division HEHP Major Elective & 3 & C \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & \multicolumn{2}{|l|}{3} \\
\hline Term hours subtota & 13 & \\
\hline
\end{tabular}
- If the course chosen to fulfill the Upper Division HEHP Major Elective also meets a college competency, the student will need an additional 3 credit elective to help meet University requirements.
- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300.
- If the course chosen to fulfill the Uppder Division HEHP Major Elective also meets a college competency, the student will need an additional 3 credit elective to help meet University requirements.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Health \& Well-Being & Health Informatics \& Problem-Solving & HEHP Major Electives \\
\hline CHS 100: Foundations of Health \& Well-Being (SB) & BMI 201: Introduction to Clinical Informatics & EXW 303: Human Sexuality for Health Education \\
\hline \multirow[t]{14}{*}{CHS 300: The Science of Happiness} & Disease & EXW 312: HIV/AIDS Prevention \\
\hline & NTR 290: Introduction to Evidence-Based & EXW 321: Consumer Health \\
\hline & Evidence-Based Practice (L) & EXW 331: Violence Prevention \\
\hline & & EXW 335: Physical Activity and Fitness Concepts \\
\hline & & EXW 341: Health Education Methods for Injury Prevention \\
\hline & & EXW 344: Physical Activity in Health and Disease \\
\hline & & EXW 350: Substance Abuse and Addictive Behavior \\
\hline & & EXW 351: Substance Abuse Prevention \\
\hline & & EXW 361: Social Media and Marketing in Health Education \\
\hline & & EXW 371: Conflict Management and Mediation \\
\hline & & EXW 380: Body Image and Wellness \\
\hline & & EXW 410: Obesity Perspectives and Prescriptions \\
\hline & & EXW 443: Emotional Health and Interpersonal Relationships \\
\hline & & EXW 448: Foundations of School Health Education \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Health Education and Health Promotion, BS
School/College: College of Health Solutions
Location: Online
NHHEHPBS
\begin{tabular}{|c|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

\section*{ASU 101-UC: The ASU Experience \\ 1}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Health \& Well-Being \(\qquad\)
Term hours subtotal:

3 C 3 7
- SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 EXW 100: Introduction to Health and Wellness (SB) & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Create a first draft resume.
\end{tabular}} \\
\hline MAT course (MA) & 3 & C & \\
\hline Term hours sub & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 13-19 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \multicolumn{4}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline EXW 102: Principles and Foundations of Health Education and Health Promotion & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-B 19-26 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 1. PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[t]{2}{*}{- Join a student club or professional organization.} \\
\hline CHM 107: Chemistry and Society (SQ) AND CHM 108: Chemistry and Society Laboratory (SQ) OR CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR BIO 181: General Biology I (SQ) & 4 & C & \\
\hline \multicolumn{4}{|l|}{1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \\
\hline Term 3-A 26-33 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 1. BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 33-40 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. BIO 202: Human Anatomy and Physiology II (SG) & 4 & C & Develop your skills. \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 83-90 Credit Hours Necessary course signified by & Hours & Grade & Notes \\
\hline EXW 456: Health Promotion Program Evaluation & 3 & C & \multirow[t]{3}{*}{- If the course chosen to fulfill an Upper Division Specialty Focus Area also meets a college competency, then the student will need an additional 3 credit elective.} \\
\hline Upper Division HEHP Major Electives & 4 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
Term 8 - A 90-96 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 8-B 96-102 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EXW 476: Community Health & 3 & C & \multirow[b]{2}{*}{- Complete an in person or virtual practice interview.} \\
\hline Upper Division HEHP Major Electives & 3 & C & \\
\hline Term hours subtotal: & 6 & & - If the course chosen to fulfill an Upper Division Specialty Focus Area also meets a college competency, then the student will need an additional 3 credit elective. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 102-108 Credit Hours & Hours & Minimum Grade & Notes \\
\hline EXW 484: Internship OR EXW 486: Applied Projects in Health Education and Health Promotion & 3 & C & - Apply for full-time career opportunities \\
\hline EXW 484: Internship OR EXW 486: Applied Projects in Health Education and Health Promotion OR Upper Division HEHP Major Elective & 3 & C & - Students must have a minimum 2.0 cumulative ASU gpa in order to enroll in the EXW 484 internship or EXW 486 \\
\hline Term hours subtot & 6 & & applied projects. \\
\hline
\end{tabular}
Term 9-B 108-114 Credit Hours Necessary course signified by
Hours
Notes
Grade
Term 10-A 114-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes
- \(\quad\) All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health

Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300.
- If the course chosen to fulfill the Upper Division HEHP Major Elective also meets a college competency, the student will need an additional 3 credit elective to help meet University requirements.

Hide Course List(s)/Track Group(s)
\begin{tabular}{lll} 
Health \& Well-Being & Health Informatics \& Problem-Solving & HEHP Major Electives \\
CHS 100: Foundations of Health \& & BMI 201: Introduction to Clinical Informatics
\end{tabular} \begin{tabular}{l} 
EXW 303: Human Sexuality for Health \\
Well-Being (SB)
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Health Sciences, BS}

School/College: College of Health Solutions
Location: Downtown Phoenix campus, West campus
NHHSCBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

CHS 101: The ASU Experience for Health Solutions Students 1
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

Humanities, Arts and Design (HU) AND Historical Awareness (H)
OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)
Natural Science - Quantitative (SQ) 4
Elective 3
Term hours subtotal:
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Network in your career interest area.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. HCD 210: Cultural Aspects of Health (C) & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Join a student club or professional organization. \\
- HCD 210 meets the college's Health Communication competency
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Health \& Well-Being & 3 & C & \\
\hline MAT course (MA) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline
\end{tabular}
1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline 4 PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[t]{4}{*}{- Develop your skills.} \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 45-60 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline 4. PHI 120: Introduction to Medical and Bioethics (HU) & 3 & C & \multirow{3}{*}{- Secure a part-time job or volunteer experience.} \\
\hline Complete 4 courses: Elective & 12 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

closely with the ASU academic success specialist to make certain all prerequisites have been met. Upon successful completion of the Echocardiography curriculum at Mayo, the student must have the credits transferred back to ASU for acceptance as a block. At that time, the student may apply for graduation from ASU with the BS in Health Sciences. Students who begin the Mayo track but are not accepted into the Mayo program may choose another track in order to graduate with the BS in Health Sciences.
- For those interested in working with hispanic/latino populations, the Spanish and Health track is ideal. Since the first course in the track, SPA 314 or 316 , has prerequisites (SPA 313 or SPA 315), students should either have taken one of those courses or they should schedule an appointment on the Downtown campus with Dr. Barbara Lafford for placement. Plan ahead to complete your prerequisites.
- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300.

Hide Course List(s)/Track Group(s)

Community-based Health Outcomes

HCD 302: Health Care Management

HCD 422: Health Disparities and Access to Health

IBC 420: Population Health Management

MED 417: Impact of Violence on Health
MED 445: Science of Helping in Health
Health Legislation and Regulation
HCD 302: Health Care Management
HCD 332: Health Care Legislation
HCD 400: Interpreting the Scientific
Literature
HCD 432: Legal Issues in Health Care
PAF 340: Contemporary Policy Challenges

\section*{Spanish and Health}

SPA 314: Spanish Conversation and Composition (G) or SPA 316: Advanced Spanish II for Bilinguals (L \& C)

SPA 318: Advanced Spanish for Health Care Professionals

SPA 404: Spanish in U. S. Professional Communities (C)

SPA 405: Latino Cultural Perspectives for the Professions ((L or HU) \& C \& G)

SPA 406: Introduction to Spanish/English Medical Interpretation

\section*{Health Informatics \& Problem-Solving}

BMI 201: Introduction to Clinical Informatics

EXW 344: Physical Activity in Health and Disease

NTR 290: Introduction to Evidence-Based Practice (L) or KIN 290: Introduction to Evidence-Based Practice (L)

\section*{Integrated Care}

HCD 340: Complementary Health Care

HSC 340: Changing Health Behaviors

HSC 440: Health Coaching Concepts and Skills

MED 445: Science of Helping in Health

NTR 355: Eating for Lifelong Health (SB)

Mayo Clinic Echocardiography Track

PHY 101: Introduction to Physics (SQ)

BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

COM 225: Public Speaking (L)

\section*{Teamwork \& Leadership in Health}

EXW 320: Management and Leadership in Exercise and Wellness

EXW 466: Health Promotion Program Management and Administration

\section*{Health \& Well-Being}

CHS 100: Foundations of Health \& Well-Being (SB)

CHS 300: The Science of Happiness

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Health Sciences (Healthy Lifestyles Coaching), BS
School/College: College of Health Solutions
Location: Downtown Phoenix campus, West campus
NUHSCHLCBS
\(\left.\begin{array}{l}\text { Term } 10 \text { - 15 Credit Hours Critical course signified by 4. } \\ \text { 4. CHM 101: Introductory Chemistry (SQ) } \\ \text { 4. CHS 101: The ASU Experience for Health Solutions Students }\end{array} \begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\)
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-44 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 BIO 160: Introduction to Anatomy and Physiology (SQ) & 4 & C & \multirow{6}{*}{- Develop your skills.} \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline Complete 2 courses: Elective & \multicolumn{2}{|l|}{7} & \\
\hline 4 Complete Mathematics (MA) requirement. & & & \\
\hline Complete First-Year Composition requirement. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) & 3 & C & \multirow[t]{2}{*}{- Secure a part time job or volunteer experience.} \\
\hline EXW 100: Introduction to Health and Wellness (SB) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & 1) Student Employment \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 7 & & 2) Volunteer Match \\
\hline
\end{tabular}

- \(\quad\) All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300.
- If the course chosen to fulfill the Upper Division Exercise and Wellness Elective also meets a college competency, the student will need an additional 3 credit elective to help meet University requirements.
\begin{tabular}{|c|c|}
\hline Additional electives & Health Care Policy and Delivery Electives \\
\hline HCR 303: Assessing Needs, Assets and Capacity for Health Education & HCD 320: Applied Medical/Health Care Ethics (HU) \\
\hline HCR 342: Mind-Body and Energy Therapies and Modalities & HCD 330: Health Care Systems in the U.S. \\
\hline HSC 441: Applied Health Coaching & HCD 410: Supporting the Health of Older Adults \\
\hline Technique & HCD 412: Health Issues in Later Life \\
\hline Nutrition Electives & Exercise and Wellness Electives \\
\hline NTR 320: History of Human Nutrition & EXW 102: Principles and Foundations of \\
\hline NTR 345: Development of Healthy Cuisines & \\
\hline NTR 351: Nutrition Communication (L) & EXW 302: Fundamentals of Wellness (L) \\
\hline NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability & EXW 303: Human Sexuality for Health Education \\
\hline NTR 360: Entrepreneurship and Value & EXW 312: HIV/AIDS Prevention \\
\hline Creation & EXW 321: Consumer Health \\
\hline NTR 448: Community Nutrition (L) & EXW 331: Violence Prevention \\
\hline NTR 453: Nutrition and the Media & EXW 341: Health Education Methods for \\
\hline NTR 457: Sports Nutrition & Injury Prevention \\
\hline & EXW 344: Physical Activity in Health and Disease \\
\hline & EXW 350: Substance Abuse and Addictive Behavior \\
\hline & EXW 351: Substance Abuse Prevention \\
\hline & EXW 361: Social Media and Marketing in Health Education \\
\hline & EXW 371: Conflict Management and Mediation \\
\hline & EXW 380: Body Image and Wellness \\
\hline & EXW 400: Stress Management for Wellness \\
\hline & EXW 443: Emotional Health and Interpersonal Relationships \\
\hline Health Informatics \& Problem-Solving & \\
\hline BMI 201: Introduction to Clinical Informatics & \\
\hline EXW 344: Physical Activity in Health and Disease & \\
\hline NTR 290: Introduction to Evidence-Based Practice (L) or KIN 290: Introduction to Evidence-Based Practice (L) & \\
\hline
\end{tabular}

Teamwork \& Leadership in Health
EXW 320: Management and Leadership in Exercise and Wellness

EXW 466: Health Promotion Program Management and Administration

\section*{Health \& Well-Being}

CHS 100: Foundations of Health \& Well-Being (SB) CHS 300: The Science of Well-Being

Health Informatics \& Problem-Solving
BMI 201: Introduction to Clinical Informatics
EXW 344: Physical Activity in Health and Disease

NTR 290: Introduction to Evidence-Based Practice (L) or KIN 290: Introduction to Evidence-Based Practice (L)

Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Health Sciences (Healthy Lifestyles Coaching), BS
School/College: College of Health Solutions
Location: Online
NUHSCHLCBS

Fast Track Options: 2.5 Year | 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{ASU 101-UC: The ASU Experience \\ 1} ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition MAT 142: College Mathematics (MA)

\section*{ion}

Term hours subtotal

3 C 3 C 7

An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students
- Network in your career interest area.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. CHM 101: Introductory Chemistry (SQ) & 4 & C & \multirow{3}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline Health \& Well-Being & 3 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-A 14-20 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline (1. NTR 241: Human Nutrition & 3 & C & \multirow{4}{*}{- Join a student club or professional organization.} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 20-27 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline HCD 210: Cultural Aspects of Health (C) & 3 & C & \multirow[t]{5}{*}{- HCD 210 meets the college's Health Communication competency} \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Elective & 1 & & \\
\hline \multicolumn{3}{|l|}{1 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-A 27-34 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline !. BIO 160: Introduction to Anatomy and Physiology (SQ) & 4 & C & \\
\hline 4 PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline Term hours subtotal & 7 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 34-41 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 7 & & - Develop your skills. \\
\hline \multicolumn{4}{|l|}{(4) Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{(4) Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 4-A 41-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline (1) EXW 100: Introduction to Health and Wellness (SB) & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 4-B 47-54 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & \multicolumn{2}{|l|}{3} & \multirow[b]{2}{*}{- Secure a part time job or volunteer experience.} \\
\hline Elective & 4 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & 1) Student Employment \\
\hline & & & 2) Volunteer Match \\
\hline Term 5-A 54-60 Credit Hours Necessary course signified by & Hours & Minimum
Grade & Notes \\
\hline EXW 325: Fitness for Life & 3 & C & \\
\hline Exercise and Wellness Electives & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 5-B60-66Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS) & 3 & C & \multirow[t]{3}{*}{- Develop your professional online presence.} \\
\hline Upper Division Health Care Policy and Delivery Electives & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 6-A 66-72 Credit Hours & Hours & Minimum
Grade & Notes \\
\hline Upper Division Health Care Policy and Delivery Electives & 3 & C & \\
\hline Health Informatics \& Problem Solving & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 6-B 72-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HSC 340: Changing Health Behaviors & 3 & C & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Teamwork \& Leadership in Health & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 7-A 78-84 Credit Hours & Hours & Minimum
Grade & Notes \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline
\end{tabular}

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 84-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 3 HSC 440: Health Coaching Concepts and Skills & 3 & C & \multirow{3}{*}{- Use Handshake to research employment opportunities.} \\
\hline Upper Division Nutrition Electives & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 90-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NTR 355: Eating for Lifelong Health (SB) & 3 & C & \\
\hline Upper Division Nutrition Electives & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 8-B 96-102 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline U Upper Division Additional Electives from one of the focus areas & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Gather professional references. \\
- If the course chosen to fulfill the Upper Division Exercise and Wellness Elective also meets a college competency, the student will need an additional 3 credit elective to help meet University requirements.
\end{tabular}} \\
\hline Upper Division Exercise and Wellness Electives & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 102-108 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 108-114 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \(\bigcirc\) HCD 340: Complementary Health Care & 3 & C & \\
\hline Upper Division Additional Electives from one of the focus areas & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 114-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W Upper Division Elective & \multicolumn{2}{|l|}{3} & \multirow[t]{3}{*}{- Apply for full time career opportunities.} \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
- \(\quad\) All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300.
- If the course chosen to fulfill the Upper Division Exercise and Wellness Elective also meets a college competency, the student will need an additional 3 credit elective to help meet University requirements.


Teamwork \& Leadership in Health
EXW 320: Management and Leadership in Exercise and Wellness

EXW 466: Health Promotion Program Management and Administration

\section*{Health Care Policy and Delivery Electives}

HCD 320: Applied Medical/Health Care Ethics (HU) HCD 330: Health Care Systems in the U.S. HCD 410: Supporting the Health of Older Adults

HCD 412: Health Issues in Later Life

Additional electives

HCR 303: Assessing Needs, Assets and
Capacity for Health Education

HCR 342: Mind-Body and Energy Therapies and Modalities

HSC 441: Applied Health Coaching Techniques

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
International Public Health, BIPH
School/College: College of Health Solutions
Location: Online
NHIPHBIPH

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\begin{tabular}{|c|c|c|c|c|}
\hline Term 1-A 0-8 Credit Hours Critical course signified by \({ }^{\boldsymbol{4}}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
ASU 101-UC: The ASU Experience 1

BIO 181: General Biology I (SQ)


Term hours subtotal:

\section*{C}

4

C 8
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students
- Network in your career interest area.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 8-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - View ASU Online first-time freshmen registration information here. \\
\hline MAT 117: College Algebra (MA) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 14-21 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ASB 100: Introduction to Global Health (SB \& G) & 3 & C & \multirow{3}{*}{- Join a student club or professional organization.} \\
\hline BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-B 21-30 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. HCD 210: Cultural Aspects of Health (C) & 3 & C & \multirow[t]{4}{*}{- Develop your skills.} \\
\hline CHS 201: International Indigenous Health & 3 & C & \\
\hline PBH 100: Introduction to Public Health & 3 & C & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline
\end{tabular}

Term hours subtotal: 9
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 30-36 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline CHS 301: Epidemiology for International Public Health & 3 & C & \multirow{3}{*}{- Courses offered by University of New South Wales.} \\
\hline HCD 300: Biostatistics (CS) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-B 36-39 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
CHS 303: Health Promotion 3
4. Complete First-Year Composition requirement. C

Complete Frst-Year Composition requirement.
Complete Mathematics (MA) requirement.

Term hours subtotal: 3
\begin{tabular}{|c|c|c|c|}
\hline Summer 3 39-48 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 CHS 306: Public Health Policy \& Programs & 3 & C & \multirow[t]{4}{*}{- Courses offered by University of New South Wales.} \\
\hline CHS 304: Communicable Disease & 3 & C & \\
\hline CHS 307: Health Leadership & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 4-A 48-54 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \(1.10{ }^{\text {4 }}\) CHS 305: Principles of Prevention \& Public Health Surveillance & 3 & C & \multirow[t]{3}{*}{- Courses offered by University of New South Wales.} \\
\hline CHS 309: Global Health and Lifestyle Disease & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 54-60 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 60-66 Credit Hours & Hours & Minimum Grade & Notes \\
\hline CHS 401: Ethics in Public Health & 3 & C & \\
\hline IBC 410: Behavioral and Mental Disorders & 3 & C & \\
\hline & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-B 66-72 Credit Hours & Hours & Minimum Grade & Notes \\
\hline PBH 435: Environmental and Occupational Health & 3 & C & \multirow{3}{*}{- Develop your professional online presence.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Summer 5 72-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCD 332: Health Care Legislation & 3 & C & \\
\hline CHS 308: Comparative Health Systems & 3 & C & \\
\hline HCD 201: Economics for Health Majors & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 6-A 81-87 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ASB 301: Global History of Health (SB \& G \& H) HCD 400: Interpreting the Scientific Literature 3

Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 6-B 87-96 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline M MED 300: Historical and Contemporary Issues in Health (L) & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Elective & 3 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}

Term hours subtotal: 9
Term 7 - A 96-102 Credit Hours Necessary course signified by
- Courses are offered by both Arizona State University and the University of New South Wales (UNSW) in Sydney,

Australia. Students should work closely with their academic advisor regarding class selection and enrollment -- particularly those offered through UNSW.

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Kinesiology, BS
School/College: College of Health Solutions
Location: Downtown Phoenix campus, ASU@Lake Havasu
NUKINBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1. KIN 101: Introduction to Kinesiology & 3 & B- & \multirow[t]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- ASU Mathematics Placement Assessment score determines placement in mathematics
\end{tabular}} \\
\hline Health \& Well-Being & 3 & C & \\
\hline CHS 101: The ASU Experience for Health Solutions Students & 1 & & \\
\hline BIO 181: General Biology I (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & course \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & - ASU 101 or college-specific equivalent \\
\hline ENG 107 or ENG 108: First-Year Composition & & & First-Year Seminar required of all freshman \\
\hline Term hours subtotal: & 14 & & \begin{tabular}{l}
students \\
- If student did not test into MAT 170, then take MAT 117 as the elective in term 1. \\
- Join a student club or professional organization.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-31 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline ¢. CHM 113: General Chemistry I (SQ) & 4 & C & \\
\hline 1. MAT 170: Precalculus (MA) & 3 & C & \\
\hline 4. PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline BIO 182: General Biology II (SG) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \multicolumn{4}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3 31-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & - Secure a part-time job or volunteer \\
\hline 4. CHM 116: General Chemistry II (SQ) & 4 & C & experiences. \\
\hline PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) & 3 & C & 1) Employment \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & 2) VolunteerMatch \\
\hline \multicolumn{4}{|l|}{4 Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 4-59 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline 1.1 BIO 202: Human Anatomy and Physiology II (SG) & 4 & C & \multirow[t]{2}{*}{- Explore an internship.} \\
\hline 4 KIN 290: Introduction to Evidence-Based Practice (L) & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & 4 & C \\
\hline Health Communication & 3 & C \\
\hline
\end{tabular}
- KIN 290 meets the college's Health Informatics \& Problem Solving competency
\begin{tabular}{|c|c|c|c|}
\hline Term 559-75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Y KIN 345: Motor and Developmental Learning & 3 & C & \multirow[t]{2}{*}{- Develop professional online presence} \\
\hline K KIN 352: Psychosocial Aspects of Physical Activity (SB \& C) & 3 & C & \\
\hline PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I & 4 & C & \\
\hline Elective & 3 & & \\
\hline Teamwork \& Leadership in Health & 3 & C & \\
\hline Term hours subtotal & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline KIN 335: Biomechanics & 3 & C & \multirow[t]{6}{*}{- Gather professional references.} \\
\hline KIN 340: Physiology of Exercise & 3 & C & \\
\hline KIN Upper Division Elective & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline KIN 334: Functional Anatomy and Kinesiology & 3 & C \\
\hline PSY 366: Abnormal Psychology (SB) & 3 & C \\
\hline Upper Division KIN course (L) & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
KIN Upper Division Elective
\end{tabular} & 6 & C \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
\(\leadsto\) Complete 3 courses: \\
KIN Upper Division Elective
\end{tabular} & 9 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline
\end{tabular}
- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300 .


KIN 493: Honors Thesis (L)

KIN 494: Advanced Exercise Physiology

\section*{Health Communication}

EXW 450: Social Determinants of Health and Health Behavior ((L or SB) \& C)

EXW 452: Health Advocacy in Health Education

HCD 210: Cultural Aspects of Health (C) HCD 310: Health Communication NTR 351: Nutrition Communication (L)

\section*{Health \& Well-Being}

CHS 100: Foundations of Health \& Well-Being (SB)

CHS 300: The Science of Happiness

KIN 494: Cardiovascular Exercise Physiology
KIN 494: Functional Anatomy of Low Back
Pain
KIN 494: Muscle Physiology
KIN 494: Neural Aspects of Movement and Rehabiltation

KIN 494: Undergraduate Research
KIN 499: Individualized Instruction

Teamwork \& Leadership in Health
EXW 320: Management and Leadership in Exercise and Wellness

EXW 466: Health Promotion Program
Management and Administration

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Medical Studies, BS}

School/College: College of Health Solutions
Location: Downtown Phoenix campus, West campus
NHMEDBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) BIO 181: General Biology I (SQ) & 4 & C & \multirow[b]{2}{*}{- Select your career interest area and play me3. 1) Explore Career Interests} \\
\hline 4. CHM 113: General Chemistry I (SQ) & 4 & C & \\
\hline MAT 170: Precalculus (MA) & 3 & C & 2) Programs \\
\hline CHS 101: The ASU Experience for Health Solutions Students & 1 & & TOEFL score determines placement into \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & first-year composition courses \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & - ASU Mathematics Placement Assessment \\
\hline ENG 107 or ENG 108: First-Year Composition & & & score determines placement in Mathematics \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-32 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline 4 BIO 182: General Biology II (SG) & 4 & C & \multirow{8}{*}{\begin{tabular}{l}
- Join a student club or professional organization. \\
- Create a first draft resume. \\
- Student should decide on a track prior to registration for the next term. \\
- HCD 210 meets the college's Health Communication competency
\end{tabular}} \\
\hline (1) CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline Health \& Well-Being & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline HCD 210: Cultural Aspects of Health (C) & 3 & C & \\
\hline \multicolumn{3}{|l|}{4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Minimum 3.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3 32-46 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I & 4 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Develop your skills. \\
- The course chosen from the list in this term should be selected from the Professional Track the student is following. If the track does not specify one of the courses, ECN 211 is recommended.
\end{tabular}} \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline SOC 101: Introductory Sociology (SB) OR CDE 232: Human Development (SB) OR ECN 211: Macroeconomic Principles (SB) OR COM 100: Introduction to Human Communication (SB) & 3 & C & \\
\hline Professional Track Courses & 4 & C & \\
\hline \multicolumn{3}{|l|}{4 . Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{Minimum 3.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 446-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II & 4 & C & - Explore an internship. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Professional Track Courses & 4 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Minimum 3.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 560-74 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% HCD 300: Biostatistics (CS) & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Create an updated resume. \\
- Students must have a minimum ASU cumulative GPA of 3.00 or higher to apply for the MED 484 internship.
\end{tabular}} \\
\hline BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory OR Upper Division Medical Studies Breadth Electives & 4 & C & \\
\hline HCD 320: Applied Medical/Health Care Ethics (HU) & 3 & C & \\
\hline Professional Track Courses & 4 & C & \\
\hline \multicolumn{3}{|l|}{\% Minimum 3.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 674-90 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline HCD 310: Health Communication & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Use handshake research employment opportunities \\
- Complete an in person or virtual practice interview
\end{tabular}} \\
\hline MED 484: Internship OR CHS 484: Internship & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Professional Track Courses
\end{tabular} & 7 & C & \\
\hline Health Informatics \& Problem Solving & 3 & C & \\
\hline \(\checkmark\) Minimum 3.00 GPA ASU Cumulative. & & & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCD 303: Global Health Care Systems (G) & 3 & C & \multirow[t]{7}{*}{- Apply for full-time career opportunities} \\
\hline HCD 402: OR Upper Division Medical Studies Breadth Elective & 3 & C & \\
\hline MED 300: Historical and Contemporary Issues in Health (L) & 3 & C & \\
\hline MED 484: Internship OR CHS 484: Internship OR Upper Division Medical Studies Breadth Elective & \multicolumn{2}{|l|}{3} & \\
\hline Professional Track Course OR Elective & 3 & ............ & \\
\hline \multicolumn{3}{|l|}{In Minimum 3.00 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \% MED 450: Leadership and Professionalism & 3 & C & \\
\hline HCD 330: Health Care Systems in the U.S. & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Upper Division Teamwork \& Leadership in Health & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Minimum 3.00 GPA ASU Cumulative. & & & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & \[
2824
\] \\
\hline
\end{tabular}
- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300 .
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Occupational Therapy Professional Track & Pharmacy Professional Track \\
\hline BIO 140: Greek and Latin Roots in Bioscientific Terminology & BIO 201: Human Anatomy and Physiology I (SG) \\
\hline BIO 201: Human Anatomy and Physiology I (SG) & BIO 202: Human Anatomy and Physiology II (SG) \\
\hline \multirow[t]{2}{*}{BIO 202: Human Anatomy and Physiology II (SG)} & COM 225: Public Speaking (L) \\
\hline & ECN 211: Macroeconomic Principles (SB) \\
\hline CDE 232: Human Development (SB) or SOC 101: Introductory Sociology (SB) & MAT 251: Calculus for Life Sciences (MA) \\
\hline \multirow[t]{2}{*}{PHY 101: Introduction to Physics (SQ) or PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)} & MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) \\
\hline & \multirow[t]{2}{*}{PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)} \\
\hline PSY 341: Developmental Psychology (SB) & \\
\hline \multicolumn{2}{|l|}{PSY 366: Abnormal Psychology (SB)} \\
\hline Medicine (MD/DO) Professional Track & Optometry Professional Track \\
\hline BIO 201: Human Anatomy and Physiology I
(SG) & BIO 201: Human Anatomy and Physiology I (SG) \\
\hline BIO 202: Human Anatomy and Physiology II (SG) & BIO 202: Human Anatomy and Physiology II (SG) \\
\hline BIO 340: General Genetics & \multirow[t]{2}{*}{COM 100: Introduction to Human Communication (SB)} \\
\hline \multirow[t]{2}{*}{MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)} & \\
\hline & MAT 251: Calculus for Life Sciences (MA) \\
\hline PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) \\
\hline PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) & PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) \\
\hline SOC 101: Introductory Sociology (SB) or COM 100: Introduction to Human Communication (SB) & PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) \\
\hline Physician Assistant (PA) Professional Track & Medical Studies Breadth Electives \\
\hline BIO 140: Greek and Latin Roots in Bioscientific Terminology & BIO 353: Cell Biology \\
\hline
\end{tabular}

Physical Therapy Professional Track
BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

PHY 111: General Physics (SQ) AND PHY
113: General Physics Laboratory (SQ)
PHY 112: General Physics (SQ) AND PHY
114: General Physics Laboratory (SQ)
PSY 341: Developmental Psychology (SB)
PSY 366: Abnormal Psychology (SB)
COM 100: Introduction to Human
Communication (SB)
EXW 315: Physiological Foundations of Movement

\section*{Dentistry Professional Track}

BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

PHY 111: General Physics (SQ) AND PHY
113: General Physics Laboratory (SQ)
PHY 112: General Physics (SQ) AND PHY
114: General Physics Laboratory (SQ)
MIC 205: Microbiology (SG)

\section*{Teamwork \& Leadership in Health}

EXW 320: Management and Leadership in Exercise and Wellness
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{BIO 201: Human Anatomy and Physiology I
(SG)} & BIO 360: Animal Physiology \\
\hline & BIO 494: Advanced Study Practicum \\
\hline \multirow[t]{2}{*}{BIO 202: Human Anatomy and Physiology II (SG)} & Anatomy \& Physiology \\
\hline & \\
\hline BIO 340: General Genetics & Projects \\
\hline MIC 205: Microbiology (SG) & BMI 404: Clinical Environments \\
\hline \multirow[t]{16}{*}{SOC 101: Introductory Sociology (SB)} & EXW 342: Health Behavior Change \\
\hline & HCD 302: Health Care Management \\
\hline & HCD 304: Health Care Finance \\
\hline & HCD 332: Health Care Legislation \\
\hline & HCD 402: Health Economics \\
\hline & HCD 403: Process Engineering \\
\hline & HCD 404: Advanced Concepts in the Science of Health Care Delivery \\
\hline & HCD 410: Supporting the Health of Older Adults \\
\hline & HCD 412: Health Issues in Later Life \\
\hline & HCD 422: Health Disparities and Access to Health \\
\hline & HSC 340: Changing Health Behaviors \\
\hline & IBC 420: Population Health Management \\
\hline & MED 417: Impact of Violence on Health \\
\hline & MED 445: Science of Helping in Health \\
\hline & PSY 341: Developmental Psychology (SB) \\
\hline & PSY 366: Abnormal Psychology (SB) \\
\hline Health Informatics \& Problem-Solving & Health \& Well-Being \\
\hline BMI 201: Introduction to Clinical Informatics & CHS 100: Foundations of Health \& \\
\hline \multirow[t]{2}{*}{EXW 344: Physical Activity in Health and Disease} & Well-Being (SB) \\
\hline & CHS 300: The Science of Happiness \\
\hline \multicolumn{2}{|l|}{\multirow[t]{3}{*}{NTR 290: Introduction to Evidence-Based Practice (L) or KIN 290: Introduction to Evidence-Based Practice (L)}} \\
\hline & \\
\hline & \\
\hline
\end{tabular}

EXW 466: Health Promotion Program
Management and Administration

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{Nutrition, BS}

School/College: College of Health Solutions
Location: Downtown Phoenix campus
NHNTRBS


Term 8 105-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300.
- If the course chosen to fulfill the Upper Division Food Studies Professional Track also meets a college competency, the student will need an additional 3 credit elective to help meet University requirements.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline & Food Studies Professional Track \\
\hline & AGB 250: Economics of Resource Allocation: Food and Agriculture \\
\hline & NTR 320: History of Human Nutrition \\
\hline & NTR 348: Cultural Aspects of Food (SB \& C \& G) \\
\hline & NTR 351: Nutrition Communication (L) \\
\hline & NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability \\
\hline & SOS 117: Food System Sustainability \\
\hline & Food Studies Track Electives \\
\hline & ABS 360: Southwest Home Gardening \\
\hline & ABS 460: Organic Gardening \\
\hline & AGB 420: Food Advertising and Promotion \\
\hline & AGB 425: Food Supply Networks \\
\hline & AGB 445: Food Retailing \\
\hline & AGB 456: Food Product Innovation and Development \\
\hline & TDM 481: Sustainable Food Management in Tourism \\
\hline
\end{tabular} Tourism
Nutrition Communication Track Electives
COM 308: Advanced Research Methods in
Communication (L)
COM 319: Persuasion and Social Influence
(SB)
COM 320: Communication and Consumerism
(SB)
COM 323: Communication Approaches to
Popular Culture (C)
COM 325: Advanced Public Speaking (L)
COM 457: New Media

\section*{Health Communication}

EXW 450: Social Determinants of Health and Health Behavior ((L or SB) \& C)

EXW 452: Health Advocacy in Health Education

HCD 210: Cultural Aspects of Health (C)

HCD 310: Health Communication

NTR 351: Nutrition Communication (L)
Food Management Professional Track
ACC 382: Accounting and Financial Analysis
MGT 380: Management and Strategy for
Nonmajors
NTR 343: Food Service Purchasing
NTR 344: Nutrition Management and
Leadership (L)
NTR 445: Management of Food Service
Systems

NTR 455: Retail Food Service Operations

MCO 425: Digital Media Literacy I
MCO 435: Social Media

MCO 450: Visual Communication (HU)

NTR 320: History of Human Nutrition

NTR 344: Nutrition Management and
Leadership (L)
NTR 348: Cultural Aspects of Food (SB \& C
\& G)
NTR 448: Community Nutrition (L)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Nutrition, BS}

School/College: College of Health Solutions
Location: Online
NHNTRBS
\begin{tabular}{|c|c|c|c|}
\hline erm 1-A 0-7 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
1 ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
ASU 101-UC: The ASU Experience
Health \& Well-Being
Term hours subtotal:
7
- SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B7-13 Credit Hours & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & c & \multirow[t]{3}{*}{\begin{tabular}{l}
- Network in your career interest area. \\
- View ASU Online first-time freshmen registration information here
\end{tabular}} \\
\hline MAT course MA) & 3 & c & \\
\hline \multicolumn{3}{|l|}{Term hours subototal:} & \\
\hline Term 2-A 13-20 Credit Hours Critical course signified by \({ }^{\text {( }}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline ( CHM 101: Introductory Chemistry (S) & 4 & c & \\
\hline Humanites, Arts and Designn (HU) And Gliobal Awarenes (G) & 3 & & \\
\hline Term hours subotalal & 7 & & \\
\hline Term 2-B 20 - 25 Credit Hours & Hours & \[
\underset{\text { Grade }}{\substack{\text { Minimum }}}
\] & Notes \\
\hline Social-Behavioral Sciences (SB) & 3 & & \multirow{4}{*}{- Join a student club or professional organization.} \\
\hline Elective & 2 & & \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 courses(s).} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 3-A 25-31 Credit Hours Critical course siginifed by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline \multicolumn{3}{|l|}{\multirow[t]{3}{*}{1. NTR 100: Introductory Nutrition OR NTR 241: Human Nutrition Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)}} & \\
\hline & & & \\
\hline & & & \\
\hline Term 3-B31-38 Credit Hours Critical course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline Humanities, Atrs and Design (HU) & 3 & & \multirow[t]{2}{*}{- Develop your skills.} \\
\hline Elective & & & \\
\hline
\end{tabular}
Term 7-B 81-87 Credit Hours
Hours \begin{tabular}{c|c} 
Minimum \\
Grade
\end{tabular}

\section*{Notes}

- Gather professional references.
- If the course chosen to fulfill the Upper Division Professional Track Course also meets a college competency, the student will need an additional 3 credit elective to help meet University requirements.
Term 8 - A 87 - 93 Credit Hours Necessary course signified by

- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300.
- If the course chosen to fulfill the Upper Division Food Studies Professional Track also meets a college competency, the student will need an additional 3 credit elective to help meet University requirements.
\begin{tabular}{|c|c|}
\hline Health \& Well-Being & Teamwork \& Leadership in Health \\
\hline CHS 100: Designing Your Well-Being (SB) & \multirow[t]{2}{*}{EXW 320: Management and Leadership in Exercise and Wellness} \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{\begin{tabular}{l}
CHS 300: The Science of Well-Being \\
EXW 466: Health Promotion Program
\end{tabular}}} \\
\hline & \\
\hline Food Studies Professional Track & Food Studies Track Electives \\
\hline AGB 420: Food Advertising and Promotion & ABS 360: Southwest Home Gardening \\
\hline NTR 320: History of Human Nutrition & AGB 425: Food Supply Networks \\
\hline \multirow[t]{2}{*}{NTR 348: Cultural Aspects of Food (SB \& C \& G)} & AGB 445: Food Retailing \\
\hline & \multirow[t]{2}{*}{AGB 456: Food Product Innovation and Development} \\
\hline NTR 351: Nutrition Communication (L) & \\
\hline NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability & \\
\hline \multicolumn{2}{|l|}{NTR 453: Nutrition and the Media} \\
\hline Nutrition Communication Track Electives & Food Management Professional Track \\
\hline \multirow[t]{2}{*}{COM 308: Advanced Research Methods in Communication (L)} & ACC 382: Accounting and Financial Analysis \\
\hline & \multirow[t]{2}{*}{MGT 380: Management and Strategy for Nonmajors} \\
\hline COM 319: Persuasion and Social Influence (SB) & \\
\hline & NTR 343: Food Service Purchasing \\
\hline MCO 425: Digital Media Literacy I & \multirow[t]{2}{*}{NTR 344: Nutrition Management and Leadership (L)} \\
\hline MCO 435: Social Media & \\
\hline MCO 450: Visual Communication (HU) & NTR 445: Management of Food Service \\
\hline NTR 320: History of Human Nutrition & Systems \\
\hline NTR 348: Cultural Aspects of Food (SB \& C \& G) & NTR 455: Retail Food Service Operations \\
\hline NTR 344: Nutrition Management and Leadership (L) & \\
\hline
\end{tabular}

Health Communication
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) \& C)

EXW 452: Health Advocacy in Health Education

HCD 210: Cultural Aspects of Health (C)

HCD 310: Health Communication

NTR 351: Nutrition Communication (L)

Nutrition Communication Professional Track

COM 100: Introduction to Human Communication (SB)

COM 207: Introduction to Communication Inquiry

COM 225: Public Speaking (L)
NTR 351: Nutrition Communication (L)
NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability

NTR 453: Nutrition and the Media

Food Management Track Electives
NTR 320: History of Human Nutrition
NTR 348: Cultural Aspects of Food (SB \& C \& G)

NTR 353: Perspectives on the Western Diet: Food, Health and Sustainability

TDM 205: Introduction to Travel and Tourism (G)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Nutrition (Dietetics), BS
School/College: College of Health Solutions
Location: Downtown Phoenix campus
ECNTRDBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 4. CHM 101: Introductory Chemistry (SQ) & 4 & C \\
\hline Health \& Well-Being & 3 & C \\
\hline CHS 101: The ASU Experience for Health Solutions Students & 1 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline NTR 150: Introduction to the Professions in Nutrition and Dietetics & 1 & C \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \multicolumn{3}{|l|}{9. Minimum 3.00 GPA ASU Cumulative.} \\
\hline Term hours subt & 15 & \\
\hline
\end{tabular}

Term hours subtotal:
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 9 NTR 241: Human Nutrition & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a cumulative ASU of 3.5. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 3.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3 30-43 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- In order to compete for a dietetic internship to earn the RD credential after graduation, it is recommended that students maintain a cumulative ASU of 3.5. \\
- Develop your skills.
\end{tabular}} \\
\hline (1) NTR 142: Applied Food Principles & 3 & C & \\
\hline STP 226: Elements of Statistics (CS) OR SWU 321: Statistics for Social Workers (CS) OR SOC 390: Social Statistics I (CS) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline \multicolumn{3}{|l|}{4 Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{4 Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{4. Minimum 3.00 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|r|}{Academic Catalog Archive 2018-2019} & 2837 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 4-59 Credit Hours Critical course signified by \({ }^{\text {4- }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 4 BIO 202: Human Anatomy and Physiology II (SG) & 4 & C \\
\hline NTR 290: Introduction to Evidence-Based Practice (L) & 3 & C \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Elective
\end{tabular} & \multicolumn{2}{|l|}{9} \\
\hline Minimum 3.00 GPA ASU Cumulative. & & \\
\hline
\end{tabular}
Term 5 59-75 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

Term hours subtotal: 16
Term 6 75-90 Credit Hours Necessary course signified by
BCH 361: Advanced Principles of Biochemistry
Hours
Minam
Grade

Minimum 3.00 GPA ASU Cumulative.
Complete Cultural Diversity in the U.S. (C) AND Global
Awareness (G) AND Historical Awareness (H) course(s).
Term hours subtotal: 15
Term 790 - 106 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
Term 8 106-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300.

Hide Course List(s)/Track Group(s)

Teamwork \& Leadership in Health

EXW 320: Management and Leadership in Exercise and Wellness

EXW 466: Health Promotion Program
Management and Administration

\section*{Health \& Well-Being}

CHS 100: Foundations of Health \&
Well-Being (SB)

CHS 300: The Science of Happiness

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Nutrition (Human Nutrition), BS}

School/College: College of Health Solutions
Location: Downtown Phoenix campus
ECNTRHBS
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

CHM 113: General Chemistry I (SQ)
4
Health \& Well-Being
CHS 101: The ASU Experience for Health Solutions Students
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3 3 C C 1

ENG 107 or ENG 108: First-Year Composition
MAT 170: Precalculus (MA)
3
C

Term hours subtotal:
14
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minimum Grade & Notes \\
\hline 4 BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \multirow[t]{7}{*}{- Join a student club or professional organization.} \\
\hline 4. CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ¢. NTR 241: Human Nutrition & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & & \\
\hline (1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3 31-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. BIO 202: Human Anatomy and Physiology II (SG)

4
C
. CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)

STP 226: Elements of Statistics (CS) OR HCD 300: Biostatistics
(CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics 3 4

C
\(\qquad\) for Social Workers (CS)

Humanities, Arts and Design (HU) AND Global Awareness (G) 3
Complete First-Year Composition requirement.
- Complete Mathematics (MA) requirement.

Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 4 45-61 Credit Hours Critical course signified by \(\%\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} \\
\hline (1) BIO 181: General Biology I (SQ) & 4 & C \\
\hline
\end{tabular}
- Students who wish to go apply to medical school or dental school should take 8 semester hours of organic chemistry. These students should enroll in CHM 233 and CHM 237 in this term rather than the CHM 231 and CHM 235..
- Students who take CHM 233 and CHM 237 must take CHM 234 and CHM 238 in order to take BCH 361 Principles of Biochemistry.
- Develop your skills.
\begin{tabular}{|c|c|c|}
\hline NTR 142: Applied Food Principles & 3 & C \\
\hline NTR 290: Introduction to Evidence-Based Practice (L) & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 561-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NTR 341: Medical Nutrition Therapy I & 3 & C & \multirow{6}{*}{- Develop your professional online presence.} \\
\hline BIO 182: General Biology II (SG) & 4 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Health Communication & 3 & C & \\
\hline Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 677-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 5 BCH 361: Advanced Principles of Biochemistry & 3 & C \\
\hline NTR 440: Advanced Human Nutrition I & 3 & C \\
\hline NTR 457: Sports Nutrition & 3 & C \\
\hline
\end{tabular}
- Students who took CHM 233 and CHM 237 in term 3 must take CHM 234 and CHM 238 in this term in order to take BCH 361 Principles of Biochemistry.
- NTR 290 fills the required Health Informatics and Problem-Solving competency area
- Secure a part time job or volunteer experience.
- Explore research opportunities.
- Develop your professional online presence.

Complete 2 courses:
Upper Division Elective
6Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s)

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 792-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NTR 441: Advanced Human Nutrition II & 3 & C & \multirow[t]{6}{*}{- Gather professional references.} \\
\hline NTR 444: Medical Nutrition Therapy II & 3 & C & \\
\hline NTR 448: Community Nutrition (L) & 3 & C & \\
\hline MIC 205: Microbiology (SG) or MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) & 4 & C & \\
\hline Upper Division Elective & 2 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8 107-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NTR 446: Medical Nutrition Therapy III & 4 & C & \multirow[t]{4}{*}{- Apply for full time career opportunities.} \\
\hline NTR 450: Nutrition in the Life Cycle I (SB) & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Teamwork \& Leadership in Health & 3 & C & \\
\hline Term hours subtotal: & 13 & & \\
\hline
\end{tabular}
- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300 .

Hide Course List(s)/Track Group(s)
\begin{tabular}{lll} 
Health Communication & Teamwork \& Leadership in Health & Health \& Well-Being \\
\hline \begin{tabular}{l} 
EXW 450: Social Determinants of Health and \\
Health Behavior \(((\mathrm{L}\) or SB) \& C)
\end{tabular} & \begin{tabular}{l} 
EXW 320: Management and Leadership in \\
Exercise and Wellness
\end{tabular} & \begin{tabular}{l} 
CHS 100: Foundations of Health \& \\
Well-Being (SB)
\end{tabular} \\
\hline EXW 452: Health Advocacy in Health & EXW 466: Health Promotion Program & CHS 300: The Science of Happiness \\
Education & Management and Administration &
\end{tabular}

HCD 210: Cultural Aspects of Health (C)

HCD 310: Health Communication

NTR 351: Nutrition Communication (L)

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Public Health, BS}

School/College: College of Health Solutions
Location: Downtown Phoenix campus
NHPBHBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) BIO 181: General Biology I (SQ) & 4 & C & \multirow[b]{3}{*}{- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first year composition courses.} \\
\hline 4. CHS 101: The ASU Experience for Health Solutions Students & 1 & & \\
\hline (1) PBH 100: Introduction to Public Health & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Mathematics Placement Assessment score determines placement in mathematics course \\
\hline MAT 117: College Algebra (MA) & 3 & C & - ASU 101 or college-specific \\
\hline Term hours subtotal: & 14 & & \begin{tabular}{l}
equivalent First-Year Seminar required of all freshman students. \\
- Join a student club or professional organization.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline (4) CHM 101: Introductory Chemistry (SQ) & 4 & C & \\
\hline Health \& Well-Being & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline (4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) BIO 182: General Biology II (SG) & 4 & C & \multirow{5}{*}{\begin{tabular}{l}
- Create a first draft resume \\
- HCD 210 meets the college's Health Communication competency
\end{tabular}} \\
\hline PBH 201: Economics for Health Majors OR ECN 211: Macroeconomic Principles (SB) & 3 & C & \\
\hline HCD 210: Cultural Aspects of Health (C) & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 2 & & \\
\hline \multicolumn{3}{|l|}{(1) Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline EXW 102: Principles and Foundations of Health Education and Health Promotion & 3 & C & - Secure a part-time job or volunteer experience \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline ASB 100: Introduction to Global Health (SB \& G) OR SSH 100: Introduction to Global Health (SB \& G) & 3 & C & \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \(\hat{\%}\) PBH 300: Biostatistics (CS) & 3 & C & \\
\hline HCD 310: Health Communication & 3 & C & \\
\hline HCD 320: Applied Medical/Health Care Ethics (HU) & 3 & C & \\
\hline HCD 330: Health Care Systems in the U.S. & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EXW 444: Epidemiology & 3 & C & - Explore an internship \\
\hline EXW 340: Health Behavior Theory & 3 & C & \\
\hline EXW 450: Social Determinants of Health and Health Behavior ((L or SB) \& C) & 3 & C & \\
\hline HCD 332: Health Care Legislation & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline
\end{tabular}

- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300 .

Hide Course List(s)/Track Group(s)
\begin{tabular}{lll} 
Teamwork \& Leadership in Health & Health Informatics \& Problem-Solving & Health \& Well-Being \\
\hline EXW 320: Management and Leadership in & BMI 201: Introduction to Clinical Informatics & CHS 100: Foundations of Health \& \\
Exercise and Wellness & EXW 344: Physical Activity in Health and & Well-Being (SB) \\
\hline EXW 466: Health Promotion Program & Disease & CHS 300: The Science of Happiness \\
Management and Administration & NTR 290: Introduction to Evidence-Based & \\
& \begin{tabular}{ll} 
Practice (L) or KIN 290: Introduction to
\end{tabular} \\
& Evidence-Based Practice (L) &
\end{tabular}

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Science of Health Care Delivery, BS}

School/College: College of Health Solutions
Location: Downtown Phoenix campus
NHHCDBS


15
\begin{tabular}{|c|c|c|c|}
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{\text {4- }}\) & Hours & Minimum Grade & Notes \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C & - Explore an internship \\
\hline PBH 201: Economics for Health Majors & 3 & C & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Elective
\end{tabular} & 9 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \% HCD 300: Biostatistics (CS) & 3 & C & \multirow[t]{2}{*}{- Create an updated resume} \\
\hline HCD 340: Complementary Health Care & 3 & C & \\
\hline HCD 310: Health Communication & 3 & C & \\
\hline HCD 320: Applied Medical/Health Care Ethics (HU) & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCD 303: Global Health Care Systems (G) & 3 & C & - Use handshake to research employment \\
\hline HCD 302: Health Care Management & 3 & C & opportunities \\
\hline HCD 330: Health Care Systems in the U.S. & 3 & C & \\
\hline HCD OR MED Upper Division Elective & 3 & C & \\
\hline Health Informatics \& Problem Solving & 3 & C & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline IBC 420: Population Health Management & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Students must have a minimum 2.0 cumulative ASU GPA in order to take the HCD 484 internship in term 8. \\
- Apply for full-time career opportunities
\end{tabular}} \\
\hline 3 HCD 402: Health Economics & 3 & C & \\
\hline \% HCD 332: Health Care Legislation & 3 & C & \\
\hline HCD 401: Leadership and Professionalism & 3 & C & \\
\hline MED 300: Historical and Contemporary Issues in Health (L) & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \% HCD 404: Advanced Concepts in the Science of Health Care Delivery & 3 & C & \\
\hline HCD 403: Process Engineering & 3 & C & \\
\hline HCD 484: Internship & 3 & C & \\
\hline Teamwork \& Leadership in Health & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300 .

Hide Course List(s)/Track Group(s)

Health Informatics \& Problem-Solving
BMI 201: Introduction to Clinical Informatics

\section*{Teamwork \& Leadership in Health}

EXW 320: Management and Leadership in Exercise and Wellness

\section*{Health \& Well-Being}

CHS 100: Foundations of Health \& Well-Being (SB)

EXW 344: Physical Activity in Health and Disease

EXW 466: Health Promotion Program
Management and Administration

NTR 290: Introduction to Evidence-Based
Practice (L) or KIN 290: Introduction to
Evidence-Based Practice (L)

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Speech and Hearing Science, BS
School/College: College of Health Solutions
Location: Tempe campus
LASHSBS

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\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

CHS 101: The ASU Experience for Health Solutions Students 1
\begin{tabular}{|c|c|c|}
\hline Health \& Well-Being & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline Historical Awareness (H) & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Elective & 3 & \\
\hline Maintain 2.80 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}

Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade \\
\hline 1 ( MAT 170: Precalculus (MA) & 3 & C \\
\hline (1) PSY 101: Introduction to Psychology (SB) & 3 & C \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR 3

C ENG 107 or ENG 108: First-Year Composition

Complete 2 courses: Elective

6
!. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Maintain 2.80 GPA in Critical Tracking Courses.

\section*{Term hours subtotal:}

15
Term 3 31-47 Credit Hours Critical course signified by \({ }^{\text {4. }}\)
BIO 201: Human Anatomy and Physiology I (SG) OR PHY 101:
Introduction to Physics (SQ) or PHY 111: General Physics (SQ) AND
PHY 113: General Physics Laboratory (SQ) \begin{tabular}{c} 
Minimu \\
Grade
\end{tabular}

PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS)

SHS 205: Exploring Communication Disorders in Children and Adults
3

3
Social-Behavioral Sciences (SB) AND Global Awareness (G)
3
Elective
3
Complete Mathematics (MA) requirement.
Complete First-Year Composition requirement.
Maintain 2.80 GPA in Critical Tracking Courses.
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Students who do not test into MAT 170 should take MAT 117 for the elective in term 1


Maintain 2.80 GPA in Critical Tracking Courses.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SHS 310: Anatomical and Physiological Bases of Speech & 3 & C & \multirow[t]{6}{*}{- Use handshake to research employment opportunities} \\
\hline SHS 311: Hearing Science & 3 & C & \\
\hline ENG 301: Writing for the Professions (L) & 3 & C & \\
\hline SHS 367: Language Science (SB) & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § SHS 375: Speech Science & 3 & C & \multirow[t]{6}{*}{- Complete an in person or virtual practice interview.} \\
\hline SHS 401: Principles of Audiology & 3 & C & \\
\hline SHS 465: Speech and Language Acquisition (SB) & 3 & C & \\
\hline Health Communication & 3 & & \\
\hline Teamwork \& Leadership in Health & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SHS 470: Developmental Speech and Language Disorders & 3 & C & \multirow[t]{5}{*}{- Gather professional references.} \\
\hline SHS 496: Aural Rehabilitation & 3 & C & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & urs & \begin{tabular}{l}
imum \\
ade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SHS 485: Acquired Speech and Language Disorders & 3 & C \\
\hline SHS 402: Clinical Methods and Treatment of Communication Disorders & 3 & C \\
\hline Upper Division Elective OR SHS 484: Internship & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline
\end{tabular}
- Enrollment in SHS 484 is restricted to students formally admitted to the SLPA program. Department consent is provided when admitted students attend the mandatory SLPA orientation.
- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300.
\begin{tabular}{|c|c|c|}
\hline Hide Course List(s)/Track Group(s) & & \\
\hline Health Communication & Teamwork \& Leadership in Health & Health Informatics \& Problem-Solving \\
\hline EXW 450: Social Determinants of Health and Health Behavior ((L or SB) \& C) & EXW 320: Management and Leadership in Exercise and Wellness & BMI 201: Introduction to Clinical Informatics \\
\hline EXW 452: Health Advocacy in Health Education & EXW 466: Health Promotion Program Management and Administration & Disease \\
\hline HCD 210: Cultural Aspects of Health (C)
HCD 310: Health Communication & & Practice (L) or KIN 290: Introduction to Evidence-Based Practice (L) \\
\hline NTR 351: Nutrition Communication (L) & & \\
\hline Health \& Well-Being & & \\
\hline CHS 100: Foundations of Health \& Well-Being (SB) & & \\
\hline CHS 300: The Science of Happiness & & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Speech and Hearing Science, BS
School/College: College of Health Solutions
Location: Online
LASHSBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASU 101-UC: The ASU Experience 1
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

Health \& Well-Being
Maintain 2.80 GPA in Critical Tracking Courses.
Term hours subtotal:
7
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Students who do not test into MAT 170 should take MAT 117 for the elective in term 1
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7 -13 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Historical Awareness (H) & \multicolumn{2}{|l|}{3} & \multirow[t]{3}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline Humanities, Arts and Design (HU) & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by \({ }^{(\%)}\) & Hours & Minimum Grade & Notes \\
\hline \(1.10{ }^{\text {1 }}\). PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[t]{4}{*}{- Join a student club or professional organization.} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & \multirow{3}{*}{3} & \multirow{3}{*}{C} & \\
\hline ENG 105: Advanced First-Year Composition OR & & & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Maintain 2.80 GPA in Critical & & ...................... & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2 - B 19-25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 1 (1) MAT 170: Precalculus (MA) & 3 & C & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

Maintain 2.80 GPA in Critical Tracking Courses.
Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 25-31 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS)
3 C

SHS 205: Exploring Communication Disorders in Children and Adults
3

Complete First-Year Composition requirement.
Maintain 2.80 GPA in Critical Tracking Courses.
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 31-38 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
BIO 201: Human Anatomy and Physiology I (SG) OR PHY 111: \\
General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
\end{tabular}} & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline \multicolumn{3}{|l|}{4 Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{Maintain 2.80 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 38-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
BIO 201: Human Anatomy and Physiology I (SG) OR PHY 111: \\
General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
\end{tabular} & 4 & & \multirow[t]{4}{*}{- Create a first draft resume.} \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.80 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-B 45-51 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1. SHS 250: Introduction to Phonetics & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.80 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-A 51-57 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SHS 310: Anatomical and Physiological Bases of Speech & 3 & C & \\
\hline Health Informatics \& Problem Solving & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 57-63 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SHS 311: Hearing Science & 3 & C & - Use Handshake to research employment \\
\hline ENG 301: Writing for the Professions (L) & 3 & C & opportunities \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 63-69 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SHS 367: Language Science (SB) & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SHS 375: Speech Science & 3 & C & - Complete an in person or virtual \\
\hline Elective & 3 &  & practice interview. \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multicolumn{3}{|l|}{} & \[
2853
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SHS 401: Principles of Audiology & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 81-87 Credit Hours & Hours & Minimum Grade & Notes \\
\hline EXW 466: Health Promotion Program Management and Administration & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SHS 465: Speech and Language Acquisition (SB) & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 93-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SHS 470: Developmental Speech and Language Disorders & 3 & C & \\
\hline Health Communication & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours & Hours & Minimum Grade & Notes \\
\hline SHS 496: Aural Rehabilitation & 3 & C & - Gather professional references. \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours Necessary course signified by & Hours & Minimum
Grade & Notes \\
\hline SHS 485: Acquired Speech and Language Disorders & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SHS 402: Clinical Methods and Treatment of Communication Disorders & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Elective & 3 & \(\cdots\) & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}
- All undergraduate students pursuing a BS degree in the College of Health Solutions must complete one course in each of four competency areas: Health \& Well-Being, Health Communication, Health Informatics \& Problem Solving, and Teamwork \& Leadership in Health. (For online Speech and Hearing Science majors, EXW 466 fulfills the Teamwork \& Leadership in Health area.) No course may be used to fill more than one competency area for a student. For purposes of graduation, the only courses that will satisfy the Health \& Well-Being category are CHS 100 and (for transfer students with more than 45 hours) CHS 300.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Health Communication & Health Informatics \& Problem-Solving & Health \& Well-Being \\
\hline EXW 450: Social Determinants of Health and Health Behavior ((L or SB) \& C) & BMI 201: Introduction to Clinical Informatics & CHS 100: Foundations of Health \& Well-Being (SB) \\
\hline EXW 452: Health Advocacy in Health Education & Disease & CHS 300: The Science of Happiness \\
\hline HCD 210: Cultural Aspects of Health (C)
HCD 310: Health Communication & NTR 290: Introduction to Evidence-Based Practice (L) or KIN 290: Introduction to Evidence-Based Practice (L) & \\
\hline
\end{tabular}

NTR 351: Nutrition Communication (L)

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Biological Sciences (Applied Biological Sciences), BS}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
TSABSABS


Term hours subtotal: 14
\begin{tabular}{|c|c|c|c|}
\hline Term 3-42 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline 4. CHM 116: General Chemistry II (SQ) & 4 & C & \multirow{6}{*}{\begin{tabular}{l}
- Students considering Graduate school or health professions should complete the PHY 111/113 and PHY 112/114 sequence. All other students will complete PHY 101 and elective hours. \\
- Secure a part-time job or volunteer experience.
\end{tabular}} \\
\hline PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & 4 & C & \\
\hline Applied Biological Sciences Track & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 442-58 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235:

Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic 4 C Chemistry Laboratory I PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) OR Elective
 Literacy and Critical Inquiry (L) 3


Hide Course List(s)/Track Group(s)
Applied Biological Sciences Health Track
\begin{tabular}{|c|c|}
\hline ABS 302: Ethical and Policy Issues in Biology & ABS Elective \\
\hline ABS 312: Structure and Function & BIO Elective \\
\hline ABS 355: Ecology and Adaptations of Vertebrates & BCH Elective \\
\hline & MIC Elective \\
\hline ABS 394: Comparative Immunology & \\
\hline ABS 394: Unseen Life on Earth & \\
\hline ABS 484: Internship & \\
\hline ABS 494: Emerging Infections \& Epidemics & \\
\hline ABS 494: Natural Products \& Drug Discovery & \\
\hline BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory & \\
\hline BIO 201: Human Anatomy and Physiology I
(SG) & \\
\hline BIO 202: Human Anatomy and Physiology II (SG) & \\
\hline BIO 351: Developmental Biology & \\
\hline MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) & \\
\hline SPA 294: Intermediate Spanish for Health Professionals & \\
\hline
\end{tabular}

\section*{Notes:}
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts.
Select from ABS, CHM, BIO, PHY, and MIC prefixes.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Biological Sciences (Natural Resource Ecology), BS}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
LSABSNRBS


Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline ABS 274: Introduction to Wildlife Management OR ABS 225: Soils (SQ) AND ABS 226: Soils Laboratory (SQ) & 4 & C \\
\hline 9. CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline Historical Awareness (H) & 3 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Elective & 3 & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 45-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline ¢. ABS 207: Applied Plant Taxonomy & 3 & C \\
\hline CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I & 4 & C \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline
\end{tabular}
- Students in the Wildlife Track should take ABS 274. Students in the Rangelands/Watershed Track should take ABS 225/226.
- Secure a part-time job or volunteer experience.
\begin{tabular}{|c|c|c|c|}
\hline Global Awareness (G) & \multicolumn{2}{|l|}{3} & \\
\hline Literacy and Critical Inquiry (L) & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 561-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ABS 350: Applied Statistics (CS) & 3 & C & - Students considering Graduate school or \\
\hline ABS 370: Ecology & 3 & C & health professions should complete the PHY \\
\hline Upper Division Natural Resouce Ecology Track & 3 & C & 111/113 and PHY 112/114 sequence, using PHY 112/114 in place of electives. All other \\
\hline PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & 4 & C & students will complete PHY 101. \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 677-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ABS 355: Ecology and Adaptations of Vertebrates OR ABS 430: Watershed Management & 3 & C & - Students in the Wildlife Track should take ABS 355. Students in the \\
\hline BIO 360: Animal Physiology OR ABS 314: Applied Plant Physiology OR ABS 311: Molecular and Cellular Biology & 3 & C & Rangelands/Watershed Track should take ABS 430. \\
\hline Upper Division Natural Resouce Ecology Track & 3 & C & - Use Handshake to research employment \\
\hline Natural Resource Ecology Track & 3 & C & pportunities. \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 792-106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 1 ABS 490: Applied Biological Sciences Seminar & 1 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Gather professional references. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline W BIO 340: General Genetics & 4 & C & \\
\hline W Uper Division Natural Resouce Ecology Track & 3 & C & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% ABS 479: Ecosystem Management and Planning (L) & 3 & C & \\
\hline Upper Division Elective OR ABS 484: Internship & 3 & & \\
\hline Complete 2 courses: Upper Division Elective & 4 & & \\
\hline Complete 2 courses: Elective & 4 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}
- Students select one of three Natural Resource Ecology Tracks and complete 12 hours from within that track.
Hide Course List(s)/Track Group(s)
General Track (12 Credits)
ABS 270: Sustainable Biological Systems ABS 270: Sustainable Biological Systems \(\quad\) ABS 270: Sustainable Biological Systems

\section*{Notes:}
- - Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts.
Select from ABS, CHM, BIO, PHY, and MIC prefixes.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Biological Sciences (Preveterinary Medicine), BS}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
LSABSPMBS
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-14 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU.



Hide Course List(s)/Track Group(s)
Pre-Veterinary Electives (12 Hours Required)

ABS 302: Ethical and Policy Issues in Biology
ABS 312: Structure and Function
ABS 372: Captive Animal Behavior
Management
ABS 376: Wildlife Ecology
ABS 394: Comparative Immunology
ABS 470: Life History of Mammals
ABS 472: Applied Herpetology
ABS 473: Applied Ornithology
ABS 484: Internship
ABS 494: Emerging Infections \& Epidemics

\section*{Notes:}
- - Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Biological Sciences (Secondary Education in Biology), BS}

School/College: College of Integrative Sciences and Arts.
Location: Polytechnic campus
TSABSSBS
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 4. BIO 181: General Biology I (SQ) & 4 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) & 3 & C \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Term hours subtota & 14 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1 BIO 182: General Biology II (SG) & 4 & C & \multirow[t]{2}{*}{- Join a student club or professional organization.} \\
\hline 4. CHM 113: General Chemistry I (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Milestone: DPS Fingerprint Clearance Card. & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3 31-45 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 1.1 CHM 116: General Chemistry II (SQ) & 4 & C & \multirow[t]{3}{*}{- Secure a part-time job or volunteer experience.} \\
\hline 4. MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) & 4 & C & \\
\hline Historical Awareness (H) & 3 & & \\
\hline \multicolumn{4}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline Elective & 3 & & \\
\hline Milestone: Intent to Progress Online Form. & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & 4 & C & \multirow[t]{3}{*}{- Students considering Graduate school or health professions should complete the PHY} \\
\hline Global Awareness (G) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline
\end{tabular}

Term 5 61-77 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
Term 6 67 -94 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c|c|c} 
Minimum \\
Grade
\end{tabular}

ABS 207: Applied Plant Taxonomy OR ABS 355: Ecology and
Adaptations of Vertebrates OR BCH 361: Advanced Principles of 3 Biochemistry
BIO 340: General Genetics

BIO 480: Methods of Teaching Biology OR SED 403: Secondary 3
Principles, Curriculum and Methods
SED 398: Clinical Experience 1
SPE 417: Inclusion Practices at the Secondary Level 3
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
17

\section*{Notes:}
- Students must complete a minimum of 12 credit hours of science courses offered by the College of Integrative Sciences and Arts.
Select from ABS, CHM, BIO, PHY, and MIC prefixes.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Biological Sciences (Sustainable Horticulture), BS}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
TSABSUBS
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 4. BIO 181: General Biology I (SQ) & 4 & C \\
\hline MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA) & 3 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 5 58-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ABS 363: Sustainable Landscape Practice & 4 & C & \multirow[t]{3}{*}{- Students considering Graduate school or health professions should complete the Organic Chemistry Sequence of both CHM 233/237 and CHM 234/238 sequence, using CHM 234/238 in place of electives. All other students will complete CHM 231/235.} \\
\hline \% ABS 370: Ecology & 3 & C & \\
\hline \begin{tabular}{l}
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: \\
Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: \\
General Organic Chemistry I AND CHM 237: General Organic \\
Chemistry Laboratory I
\end{tabular} & 4 & C & \\
\hline Global Awareness (G) & 3 & & \multirow{3}{*}{- Network in your career interest area.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 675-89 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ABS 368: Plant Propagation & 3 & C & \multirow[t]{6}{*}{- Use Handshake to research employment opportunities.} \\
\hline 3 BIO 340: General Genetics & 4 & C & \\
\hline ABS 362: Landscape Plants and Design & 4 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 7-89-104 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 2 ABS 350: Applied Statistics (CS) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Gather professional references. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline 3 ABS 464: Desert Horticulture & 3 & C & \\
\hline \begin{tabular}{l}
BIO 360: Animal Physiology OR ABS 314: Applied Plant Physiology \\
OR ABS 311: Molecular and Cellular Biology OR BIO 353: Cell Biology
\end{tabular} & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8104 -120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ABS 490: Applied Biological Sciences Seminar & 1 & C & \\
\hline W Upper Division Sustainable Horticulture Elective & 3 & C & \\
\hline Complete 2 courses: Upper Division Elective & \multicolumn{2}{|l|}{5} & \\
\hline Complete 2 courses: Elective & \multicolumn{2}{|l|}{7} & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}

\footnotetext{
Hide Course List(s)/Track Group(s)
}

Sustainable Horticulture Elective
ABS 225: Soils (SQ)

ABS 364: Urban Forestry
ABS 460: Organic Gardening
ABS 462: Greenhouse/Nursery Management
ABS 463: Golf and Sports Turf Management

ABS 484: Internship

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Integrative Sciences and Arts.
Location: Polytechnic campus
LSMATBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
\hline MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) & 3-4 & C & - ASU Mathematics Placement Test score determines placement in Mathematics \\
\hline ASU 101-UC: The ASU Experience & 1 & & course \\
\hline Humanities, Arts and Design (HU) & 3 & & - ASU 101 or college-specific equivalent \\
\hline Social-Behavioral Sciences (SB) & 3 & & students \\
\hline Term hours subtotal: & 13-14 & & - Select your career interest area and play me3@ASU. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 13-29 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year CompositionMAT 266: Calculus for Engineers II (MA) OR MAT 271: Calculus with Analytic Geometry II (MA)

3-4 C

BIO 181: General Biology I (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ) OR CHM 117: General Chemistry for Majors I (SQ) OR PHY 121:

4 University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)

Social-Behavioral Sciences (SB)
3
Elective 3
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
16-17
29 - M

Term 3-45 Credit Hours Critical course signified by
Hours \begin{tabular}{c|c|}
\hline Minimum \\
Grade
\end{tabular}

BIO 182: General Biology II (SG) OR CHM 116: General Chemistry II (SQ) OR CHM 118: General Chemistry for Majors II
4. (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)
!. MAT 267: Calculus for Engineers III (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)

Global Awareness (G)
3

Humanities, Arts and Design (HU) 3

Elective
3
Complete Mathematics (MA) requirement.
- Students will choose one of the following science course sequences to complete: BIO 181 and BIO 182 OR CHM 113 and CHM 116 OR CHM 114 and CHM 116 OR CHM 117 and CHM 118 OR PHY 121/122 and PHY 131/132.
- Join a student club or professional organization.


\begin{tabular}{|c|c|c|c|}
\hline \% MAT 495: Supervised research in mathematical sciences & 3 & C & her professional reference \\
\hline W Upper Division Applied Mathematics Elective & 3 & C & - Apply for full-time career opportunities. \\
\hline Upper Division STEM Elective & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Upper division STEM electives should be selected in consultation with a College of Integrative Sciences and Arts advisor.

Students must complete a minimum of twelve credit hours of MAT courses offered by the College of Integrative Sciences and Arts. Six of these twelve credits must be upper division.


PHY 302: Mathematical Methods in Physics II STP 421: Probability

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Physics, BS}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
LSAPHYBS
\begin{tabular}{|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (4. MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline
\end{tabular}

Term hours subtotal: 13
\begin{tabular}{|c|c|c|c|}
\hline Term 2 13-28 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline 4 . MAT 266: Calculus for Engineers II (MA) & 3 & C & \multirow{7}{*}{- Join a student club or professional organization.} \\
\hline PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) & 4 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 2 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3-48-4 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1. MAT 267: Calculus for Engineers III (MA) & 3 & C & \multirow[t]{7}{*}{- Secure a part-time job or volunteer experience.} \\
\hline PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) & 4 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 4 PHY 201: Mathematical Methods in Physics I (CS) & 3 & C \\
\hline (4) PHY 252: Physics III (SQ) & 4 & C \\
\hline Historical Awareness (H) & 3 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Literacy and Critical Inquiry (L) & 3 \\
\hline Elective & 3 \\
\hline & 16 \\
\hline
\end{tabular}
\begin{tabular}{l} 
Term 5 60-75 Credit Hours Necessary course signified by \\
\hline PHY 302: Mathematical Methods in Physics II \\
\hline PHY 314: Quantum Physics I
\end{tabular} \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\(\qquad\)
Upper Division Applied Physics Electives Upper Division Humanities, Arts and Design (HU) OR Upper Division 3 Social-Behavioral Sciences (SB)

\section*{Term hours subtotal: 15}
\begin{tabular}{|c|c|c|c|}
\hline Term 6 75-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
PHY 315: Quantum Physics II
Upper Division Applied Physics Electives
\begin{tabular}{l} 
Complete 3 courses: \\
Elective
\end{tabular}Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
Term 7 90-105 Credit Hours Necessary course signified by
PHY 361: Introductory Modern Physics
Heurs \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
- Use Handshake to research employment opportunities.
Term 8 105-120 Credit Hours Necessary course signified by
Hours
Minimum
Grade Notes

Hide Course List(s)/Track Group(s)

Applied Physics Electives (Complete 9 Credit Hours)

MAT 343: Applied Linear Algebra

PHY 321: Vector Mechanics and Vibration

PHY 331: Principles of Modern
Electromagnetism
PHY 333: Electronic Circuits and
Measurements

PHY 361: Introductory Modern Physics
PHY 456: Laser Optics
PHY 495: Project Research
STP 420: Introductory Applied Statistics (CS)

\section*{Notes:}
- Students must complete a minimum of 12 credit hours of PHY courses offered by the College of Integrative Sciences and Arts. Six of these twelve credits must be upper-division.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Quantitative Science, BS}

School/College: College of Integrative Sciences and Arts
Location: Downtown Phoenix campus, Polytechnic campus, Tempe campus, West campus LSAQSBS
\begin{tabular}{l} 
Term 10-16 Credit Hours Critical course signified by \\
\hline (7) Mathematics (MA) \\
\hline ASU 101-UC: The ASU Experience \\
\hline ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition \\
Grade
\end{tabular}
- SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement into mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU
Term 216 - 32 Credit Hours Critical course signified by 1. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes

Term hours subtotal: 16

\begin{tabular}{|c|c|c|c|}
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Statistics & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Network in your career interest area. \\
- See suggested list of courses for fulfilling major requirements here.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Major Electives
\end{tabular} & 6 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Complete 2 courses:
Upper Division Major Electives
Complete 3 courses:
Elective

6
C

9
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Major Electives
\end{tabular} & 6 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Gather professional references. \\
- Apply for full-time career opportunities \\
- See suggested list of courses for fulfilling major requirements here.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Capstone/Project & 3 & C & \multirow{4}{*}{- See suggested list of courses for fulfilling major requirements here.} \\
\hline Upper Division Major Electives & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- This degree is only available as a concurrent degree at the Downtown Phoenix, Tempe and West campuses. Students choosing this major as a concurrent degree with another ASU major will only require 9 credits of major electives, resulting in 24 total credits in this major. Students should contact their academic advisor in their current major to begin the process to add this major as a concurrent degree option.

Hide Course List(s)/Track Group(s)

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

\author{
Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ - Mathematical Studies (MA) \\ - Computer/Statistics/Quantitative Applications (CS) \\ - Humanities, Arts and Design (HU) \\ - Social-Behavioral Sciences (SB) \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Applied Leadership), BAS}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus, ASU@Cochise, ASU@Pinal, ASU@The Gila Valley, ASU@Yavapai LSALSBAS
\begin{tabular}{|c|c|c|c|}
\hline Applicable Community College Prerequisites 0 - 60 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
AAS Degree Transfer Block
- Students may meet lower division general studies requirements with the AAS degree
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.

\begin{tabular}{|c|c|c|c|}
\hline Term 8 105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline OGL 481: Organizational Leadership Pro-Seminar I & 3 & C & \\
\hline O OGL 482: Organizational Leadership Pro-Seminar II & 3 & C & \\
\hline BIS 340: Special Topics & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Any needed lower division General Studies requirement OR Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Applied Leadership), BAS}

School/College: College of Integrative Sciences and Arts.
Location: Online
LSALSBAS
\begin{tabular}{|c|c|c|c|}
\hline Applicable Community College Prerequisites 0 - 60 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
AAS Degree Transfer Block
- Students may meet lower division general studies requirements with the AAS degree
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 60-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline OGL 300: Theory and Practice of Leadership & 3 & C & \\
\hline BIS 340: Organizational Skills & 3 & C & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 5-B 69-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 343: Social Processes in Organizations (L or SB) OR BIS 357: Assessment in Organizations & 3 & C & \multirow[t]{4}{*}{- Network in your career interest area.} \\
\hline BIS 340: Organizational Skills & 3 & C & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 6-A 78-84 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § OGL 350: Diversity and Organizations (L \& C) & 3 & C & \\
\hline BIS 340: Organizational Skills & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 84-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline OGL 355: Leading Organizational Innovation and Change (L) & 3 & C & \multirow[t]{4}{*}{- Use Handshake to research employment opportunities.} \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-A 90-99 Credit Hours Necessary course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline BIS 345: Organizational Ethics (L or HU) & 3 & C & \\
\hline BIS 340: Organizational Skills & 3 & C & \\
\hline Academic Catalog Ar & hive 2018 & 019 & 2884 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Any needed lower division General Studies requirement OR Elective & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 9} & \\
\hline Term 7-B 99-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline OGL 320: Foundations of Project Management & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Gather professional references. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline BIS 340: Organizational Skills & 3 & C & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 8-A 108-114 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline OGL 481: Organizational Leadership Pro-Seminar I & 3 & C & \\
\hline BIS 360: Organizational Contexts (SB) OR OGL 321: Project Leadership, Strategy and Scope & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 114-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline OGL 482: Organizational Leadership Pro-Seminar II & 3 & C & \\
\hline BIS 340: Organizational Skills & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Technical Communication), BAS}

School/College: College of Integrative Sciences and Arts.
Location: Polytechnic campus
LSTECBAS
\begin{tabular}{|c|c|c|c|}
\hline Applicable Community College Prerequisites 0-60 Credit Hours & Hours & Minimum Grade & Notes \\
\hline AAS Degree Transfer Block & 60 & & \\
\hline Term hours subtotal: & 60 & & \begin{tabular}{l}
- Students may meet lower division general studies requirements with the AAS degree. \\
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree. \\
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline W TWC 301: Fundamentals of Writing for Digital Media (L) & 3 & C \\
\hline W TWC 347: Written Communication for Managers (L) & 3 & C \\
\hline TWC 401: Fundamentals of Technical Communication (L) & 3 & C \\
\hline ASC 315: Numeracy in Technology (MA) & 3 & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
Term 6 75-91 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

Term hours subtotal: 16
\(\begin{array}{l}\text { Term } 7 \text { 91-106 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
Term 8 106-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(|\)\begin{tabular}{ccc} 
Notes
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Communication, BA
School/College: College of Integrative Sciences and Arts Location: Downtown Phoenix campus, Polytechnic campus LSCOMBA
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

COM 100: Introduction to Human Communication (SB)
3
C

\section*{ENG 101 or ENG 102: First-Year Composition OR}

ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
ASU 101-UC: The ASU Experience ..... 1
Cultural Diversity in the U.S. (C) ..... 3
Humanities, Arts and Design (HU) ..... 3
Elective ..... 3
Maintain 2.00 GPA in Critical Tracking Courses

\section*{Term hours subtotal: 16}
\begin{tabular}{|c|c|c|c|}
\hline Term 216-31 Credit Hours Critical course signified by ! & Hours & Minimum Grade & Notes \\
\hline 4 COM 207: Introduction to Communication Inquiry & 3 & C & \multirow[t]{4}{*}{- Join a student club or professional organization.} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Mathematics (MA) ( MAT 142 recommended) & 3 & C & \\
\hline \begin{tabular}{l}
Language and Cultures: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or
\end{tabular} & 3 & C & \\
\hline
\end{tabular}equivalent), including American Sign Language IV;
    * OR Completion of COM 263 AND COM 371.
    Elective 3
    Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
    Maintain 2.00 GPA in Critical Tracking Courses.

Term hours subtotal:
15

\begin{tabular}{|c|c|}
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 \\
\hline Complete 2 courses: & \multirow[t]{2}{*}{7} \\
\hline Elective & \\
\hline Maintain 2.00 GPA in Critical Tracking Courses. & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I COM 308: Advanced Research Methods in Communication (L) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Student must select one of three COM concentration options and take all COM concentration courses within the same concentration. Nine of the eighteen concentration area credit hours must be COM prefix courses. \\
- Network in your career interest area.
\end{tabular}} \\
\hline 3 Upper Division Concentration Course & 3 & C & \\
\hline COM Upper Division Elective & 3 & C & \\
\hline Language and Cultures: Requirement satisfied through the following: & & & \\
\hline \begin{tabular}{l}
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; \\
* OR Completion of COM 263 AND COM 371.
\end{tabular} & 3 & C & \\
\hline
\end{tabular}
Upper Division Social-Behavioral Sciences (SB) OR Upper
 3 Division Humanities, Arts and Design (HU)

\section*{Term hours subtotal: 15}
\begin{tabular}{|c|c|c|c|}
\hline Term 6 76-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses:}

(G) AND Historical Awareness (H) course(s).

6
3
3
2

Term hours subtotal: 14
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division Concentration Course & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Gather professional references. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline COM Upper Division Elective & 3 & C & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Complete 2 courses:
Upper Division Concentration Course
6
C

COM Upper Division Elective
3 3
Upper Division Elective
Elective 3
Term hours subtotal:
- Student must select one of three COM concentration options and take all COM concentration courses within the same concentration. Nine of the eighteen concentration area credit hours must be COM prefix courses.
Hide Course List(s)/Track Group(s)
Communication and Culture Concentration
Courses
Law and Community Advocacy Concentration
ASB 463: Political Ecology of the Border (SB
\& G)
COM 312: Communication, Conflict, and
COM 316: Gender and Communication (SB \&
COM
COM 316: Gender and Communication (SB \&

Communication, Technology and Society Concentration Courses

COM 319: Persuasion and Social Influence (SB)

COM 320: Communication and Consumerism (SB)

COM 323: Communication Approaches to Popular Culture (C)

COM 394: Communication in the Electronic Age

COM 420: Rhetoric and Community Advocacy

COM 421: Rhetoric of Social Issues (HU)

COM 422: Advanced Argumentation (L)
COM 428: Graphic Novels and Popular Culture (HU)

COM 467: Digital Rhetoric

COM 484: Internship
MCO 418: History of Mass Communication (SB \& H)

MCO 450: Visual Communication (HU)
MCO 456: Political Communication (SB)
MCO 460: Race, Gender, and Media (C)
SOC 374: Cultures and Politics of the Internet (SB)

STS 330: Information Technology and Globalization (SB \& G)

STS 425: Law, Values, Science, and Technology (SB)

TWC 301: Fundamentals of Writing for Digital Media (L)

TWC 411: Principles of Visual
Communication (L)
TWC 452: Information in the Digital Age
TWC 453: Information and Communications Technology in American History (H)

\section*{Notes:}
- Students must complete a minimum of 12 upper division credit hours of COM courses offered by the College of Letters and Sciences.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Counseling and Applied Psychological Science, BS}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
LSCAPSBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
4. CAP 120: Introduction to Counseling (SB)
(4) MAT 170: Precalculus (MA)
PSY 101: Introduction to Psychology (SB)
ASU 101-CLS: The ASU Experience
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Cultural Diversity in the U.S. (C)

- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU.

\begin{tabular}{l} 
Counseling and Applied Psychological \\
\begin{tabular}{l} 
Counseling and Applied Psychological \\
Sciences A Courses
\end{tabular} \\
\begin{tabular}{l} 
Sciences B Courses
\end{tabular} \\
\hline CAP 315: Trauma and Crisis Intervention
\end{tabular} \begin{tabular}{l} 
FAS 331: Marriage and Family Relationships \\
CAP 325: Professional Practice and Ethics in
\end{tabular}\(\quad\)\begin{tabular}{l} 
FAS 370: Family Ethnic and Cultural \\
Counseling \\
CAP 330: Group Counseling
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

English, BA
School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
LSENGBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
4. ENG 105: Advanced First-Year Composition OR

ENG 107 or ENG 108: First-Year Composition
ASU 101-UC: The ASU Experience 1
Mathematics (MA) ( MAT 142 recommended) 3
Historical Awareness (H) 3
Humanities, Arts and Design (HU) 3
Term hours subtotal: 13
\begin{tabular}{|c|c|c|}
\hline Term 2 13-29 Credit Hours Critical course signified by \({ }^{\text {( }}\) - & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline 4. ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & \\
\hline
\end{tabular}

Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4 ENG 200: Critical Reading and Writing About Literature (L or HU) & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- ENG 200-level literature course is a recommended pre-requisite to upper division ENG courses. \\
- Secure a part-time job or volunteer experience.
\end{tabular}} \\
\hline 2** ENG Literature Course & 3 & C & \\
\hline ENG Elective & 3 & C & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline Maintain 2.00 GPA in Major Courses. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Rhetoric, Writing and Linguistics Course & 3 & C \\
\hline Literature and Culture Before 1800 Course & 3 & C \\
\hline Global Awareness (G) & 3 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}


Hide Course List(s)/Track Group(s)

\section*{2** ENG Literature Course}

ENG 204: Narrative and Medicine (HU)

\section*{Literature and Culture After 1800}

ENG 320: Medievalism in Modern Culture

ENG 222: Survey of English Literature (HU \& H)

ENG 242: Literatures of the United States, 1860 to Present (HU)

ENG 202: World Literature (HU \& H)
ENG 221: Survey of English Literature (HU)
ENG 241: Literatures of the United States to 1860 ((L or HU) \& C)

ENG 303: Classical Backgrounds of English Literature (HU)

ENG 321: Shakespeare (L or HU)
ENG 328: The Novel to Jane Austen (HU \& H)

ENG 335: American Poetry
ENG 337: Major American Novels (L or HU)
ENG 352: Short Story (L or HU)
ENG 353: African American Literature:
Beginnings through the Harlem Renaissance ((L or HU) \& C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) \& C)

ENG 359: Indigenous American Literature ((L or HU) \& C

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C)

ENG 366: Literature on Film
ENG 367: Environmental Issues in Literature and Film (L or HU)

ENG 464: Great Directors (L or HU)
ENG 466: Studies in International Film ((L or HU) \& G)

ENG 467: American Film Musicals (L or HU)
ENG 471: Literature for Young Adults (HU)
\begin{tabular}{|c|c|}
\hline Ethnicity, Gender and Environment & Rhetoric, Writing and Linguistics \\
\hline \multirow[t]{2}{*}{ENG 317: Cross-Cultural Writing ((L or HU) \& G)} & ENG 210: Introduction to Creative Writing \\
\hline & ENG 214: English Grammar and Usage \\
\hline ENG 333: American Ethnic Literature ((L or HU) \& C) & ENG 215: Strategies of Academic Writing (L) \\
\hline ENG 334: The American Southwest in Literature and Film ((L or HU) \& C) & ENG 216: Persuasive Writing on Public Issues (L) \\
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
ENG 354: African American Literature: \\
Harlem Renaissance to the Present ((L or HU) \\
\& C)
\end{tabular}} & ENG 217: Writing Reflective Essays (L) \\
\hline & ENG 218: Writing About Literature (L or HU) \\
\hline ENG 359: Indigenous American Literature ((L or HU ) \& C) & ENG 243: Introduction to Writing Family History (L) \\
\hline \multirow[t]{2}{*}{ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C)} & ENG 287: Beginning Creative Writing Workshop in Poetry \\
\hline & ENG 288: Beginning Creative Writing \\
\hline ENG 364: Women and Literature (HU) & Workshop in Fiction \\
\hline \multirow[b]{2}{*}{ENG 367: Environmental Issues in Literature and Film (L or HU)} & ENG 301: Writing for the Professions (L) \\
\hline & ENG 310: Intermediate Creative Writing \\
\hline \multirow[t]{2}{*}{ENG 378: Environmental Creative Nonfiction (L or HU)} & ENG 311: Persuasive Writing (L) \\
\hline & ENG 314: Modern Grammar \\
\hline
\end{tabular}

ENG 317: Cross-Cultural Writing ((L or HU)
\& G)
ENG 376: Writing a Personal History (L)
ENG 377: Editing Family History for Public
Audiences (L)
ENG 378: Environmental Creative Nonfiction
(L or HU)
ENG 379: Travel Writing (L)
ENG 387: Intermediate Creative Writing
Workshop in Poetry: Form, Theory, and
Practice
ENG 388: Intermediate Creative Writing
Workshop in Fiction: Form, Theory, and
Practice
ENG 411: Advanced Creative Writing
ENG 472: Rhetorical Studies (L)

\section*{Notes:}
- A minimum of 12 upper division ENG credits must be completed through the College of Letters and Sciences.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Exploratory Health and Life Sciences}

School/College: College of Integrative Sciences and Arts
Location: Downtown Phoenix campus, Polytechnic campus, Tempe campus, ASU@Lake Havasu UCHSCIEXPL


\section*{Notes:}
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

\section*{Total Hours: 46}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Exploratory Health and Life Sciences
School/College: College of Integrative Sciences and Arts,
Location: Online
UCHSCIEXPL
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Math Placement Assessment score determines placement into Mathematics course.
- ASU 101 or College specific equivalent First Year Seminar required of all freshmen students.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-15 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - View ASU Online first-time freshmen registration information here. \\
\hline Natural Science - Quantitative (SQ) & 4 & C & \\
\hline UNI 150: Major and Career Exploration & 1 & C & \\
\hline Term hours subtotal: & 8 & & \\
\hline Term 2-A 15-22 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline 4. UNI 250: Choosing a Major & 1 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-B 22-29 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-A 29-36 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline UNI 270: Career Direction for a Successful Future & 1 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 36-43 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline (1. Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & C & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 43-49 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. Humanities, Arts and Design (HU) & 3 & & \\
\hline Global Awareness (G) & 3 & & \\
\hline Milestone: Selection of a major. & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

Total Hours: 49
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{Exploratory Humanities, Fine Arts and Design}

School/College: College of Integrative Sciences and Arts
Location: Downtown Phoenix campus, Polytechnic campus, Tempe campus, ASU@Lake Havasu UCHUFAEXPL


\section*{Notes:}
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

\section*{Total Hours: 48}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\title{
Exploratory Humanities, Fine Arts and Design
}

School/College: College of Integrative Sciences and Arts.
Location: Online
UCHUFAEXPL
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition

Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-14 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - View ASU Online first-time freshmen registration information here. \\
\hline 4 Social-Behavioral Sciences (SB) & 3 & C & \\
\hline UNI 150: Major and Career Exploration & 1 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-A 14-21 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. Humanities, Arts and Design (HU) & 3 & C & \\
\hline UNI 250: Choosing a Major & 1 & C & \\
\hline Mathematics (MA) & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-B 21-27 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 27-35 Credit Hours & Hours & Minimum Grade & Notes \\
\hline UNI 270: Career Direction for a Successful Future & 1 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 8 & & \\
\hline Term 3-B 35-42 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

Total Hours: 48
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\author{
2018-2019 Major Map \\ Exploratory Math, Physical Sciences, Engineering and Technology \\ School/College: College of Integrative Sciences and Arts \\ Location: Downtown Phoenix campus, Polytechnic campus, Tempe campus \\ UCEMTPEXPL
}
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTSor TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement into mathematics course. \\
- ASU 101 or College specific equivalent First Year Seminar required of all freshmen students. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR MAT 171: Precalculus: Science. Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) & 3-4 & C & \\
\hline (1) Natural Science - Quantitative (SQ) & 4 & C & \\
\hline ASU 101-UC: The ASU Experience & 1 & & \\
\hline UNI 150: Major and Career Exploration & 1 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 15-16 & & \\
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR (4. ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \multirow[t]{7}{*}{- Join a student club or professional organization.} \\
\hline (1) UNI 250: Choosing a Major & 1 & C & \\
\hline 4 Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & C & \\
\hline MAT 170: Precalculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 330-46 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271
. Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)

UNI 270: Career Direction for a Successful Future
1
C
Computer/Statistics/Quantitative Applications (CS)
3
Humanities, Arts and Design (HU) 3
Literacy and Critical Inquiry (L) 3
3
C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)
3

Complete Mathematics (MA) requirement.
Milestone: Selection of a major.
- Secure a part-time job or volunteer experience.

\section*{Notes:}
- \(\quad\) Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

Total Hours: 46
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Exploratory Math, Physical Sciences, Engineering and Technology
School/College: College of Integrative Sciences and Arts
Location: Online
UCEMTPEXPL

```
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)
OR MAT 171: Precalculus: Science. Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)

ASU 101-UC: The ASU Experience
1
Term hours subtotal: 7-8
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement into mathematics course.
- ASU 101 or college-specific equivalent First Year Seminar required of all freshmen students.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7 -15 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - View ASU Online first-time freshmen registration information here. \\
\hline 4. Natural Science - Quantitative (SQ) & 4 & C & \\
\hline UNI 150: Major and Career Exploration & 1 & C & \\
\hline Term hours subtotal: & 8 & & \\
\hline Term 2-A 15-23 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

MAT 170: Precalculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 271: Calculus with Analytic Geometry II (MA)


Natural Science - General (SG) OR Natural Science - Quantitative (SQ)
Humanities, Arts and Design (HU) AND Historical Awareness (H) 3
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
7
Term 3-A 30-37 Credit Hours Critical course signified by \(9 \quad\) Hours \(\left.\begin{array}{c|c|c|}\hline & \text { Minimum } \\ \text { Grade }\end{array}\right]\)

MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 271:
1. Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR

C MAT 272: Calculus with Analytic Geometry III (MA)
\begin{tabular}{|c|c|c|c|}
\hline UNI 270: Career Direction for a Successful Future & 1 & C & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Term hours subtotal: & 7-8 & & \\
\hline Term 3-B 37-43 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-A 43-46 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Literacy and Critical Inquiry (L) & 3 & C & \\
\hline Milestone: Selection of a major. & & & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

Total Hours: 46
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Exploratory Social and Behavioral Sciences}

School/College: College of Integrative Sciences and Arts
Location: Downtown Phoenix campus, Polytechnic campus, Tempe campus, ASU@Lake Havasu UCSBSEXPL


\section*{Notes:}
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

\section*{Total Hours: 48}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Exploratory Social and Behavioral Sciences
School/College: College of Integrative Sciences and Arts
Location: Online
UCSBSEXPL
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
1 Social-Behavioral Sciences (SB)
ASU 101-UC: The ASU Experience 3

1
Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - View ASU Online first-time freshmen registration information here. \\
\hline 4. Humanities, Arts and Design (HU) & 3 & C & \\
\hline UNI 150: Major and Career Exploration & 1 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-A 14-21 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 Social-Behavioral Sciences (SB) & 3 & C & \\
\hline UNI 250: Choosing a Major & 1 & C & \\
\hline Mathematics (MA) & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-B 21-27 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 27-35 Credit Hours & Hours & Minimum Grade & Notes \\
\hline UNI 270: Career Direction for a Successful Future & 1 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 8 & & \\
\hline Term 3-B 35-41 Credit Hours Critical course signified by \({ }^{(/) .}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

Total Hours: 48
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{General Studies, BA}

School/College: College of Integrative Sciences and Arts
Location: Downtown Phoenix campus, Polytechnic campus, ASU@Lake Havasu
LSGNSBGS
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Term 10-14 Credit Hours Critical course signified by \({ }^{(1)}\)} & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition} & 3 & C & - An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into \\
\hline \multicolumn{3}{|l|}{ASU 101-UC: The ASU Experience} & 1 & & - ASU 101 or college specific equivalent First \\
\hline \multicolumn{3}{|l|}{Natural Science - Quantitative (SQ)} & 4 & & Year Seminar required of all freshmen \\
\hline \multicolumn{3}{|l|}{Social-Behavioral Sciences (SB)} & 3 & & students \\
\hline \multirow[t]{2}{*}{Elective} & & & 3 & & Mathematics Placement Assessment score determines placement in mathematics course \\
\hline & & m hours subtotal: & 14 & & - Select your career interest area and play me3@ASU. \\
\hline Term 2-14-30 Credit Hours Critical course signified by & Hours & Minimum Grade & & & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year

Composition OR
1. ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year
Composition
\begin{tabular}{|c|c|c|}
\hline Cluster \#1 Course & 3 & C \\
\hline Mathematics (MA) ( MAT 142 recommended) & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline \begin{tabular}{l}
Natural Science - Quantitative (SQ) OR \\
Natural Science - General (SG)
\end{tabular} & 4 & \\
\hline
\end{tabular}

Complete ENG 101 OR ENG 105 OR ENG
107 course(s).
Term hours subtotal: 16
- Students completing the Bachelor of Arts in General Studies will choose four clusters, and complete three courses in each of these clusters for a total of thirty six credit hours. A minimum of eighteen of the thirty six credits must be upper division credits.
- Choose BGS Clusters in collaboration with a BGS academic advisor. See complete list of BGS Clusters and requirements at https://cls.asu.edu/content/general-studies-degree-clusters-15-16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-45 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. Cluster \#2 Course & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Join a student club or professional organization. \\
- Secure a part-time job or volunteer experience.
\end{tabular}} \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Complete 2 courses: & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4. Cluster \#3 Course & 3 & C & \\
\hline
\end{tabular}

- Students completing the Bachelor of Arts in General Studies will choose four clusters, and complete three courses in each of these clusters for a total of thirty six credit hours. A minimum of eighteen of the thirty six credits must be upper division credits.
\begin{tabular}{|c|c|c|}
\hline Values and Society & Communication and the Community & Gender and Society \\
\hline CDE 232: Human Development (SB) & & COM 316: Gender and Communication (SB \& \\
\hline COM 222: Argumentation (L) & Communication (SB) & C) \\
\hline \multirow[b]{2}{*}{COM 250: Communication and the Workplace (SB)} & COM 207: Introduction to Communication & ENG 364: Women and Literature (HU) \\
\hline & Inquiry & HST 327: Women in U.S. History, 1600 to \\
\hline \multirow[b]{2}{*}{COM 316: Gender and Communication (SB \& C)} & COM 222: Argumentation (L) & 880 ((HU or SB) \& C \& H) \\
\hline & COM 225: Public Speaking (L) & HST 328: Women in U.S. History, 1880-1980 \\
\hline \multirow[t]{2}{*}{COM 323: Communication Approaches to Popular Culture (C)} & COM 230: Small Group Communication (SB) & ((HU or SB) \& C \& H) \\
\hline & & REL 369: Women in Islam \\
\hline \multirow[t]{2}{*}{ENG 216: Persuasive Writing on Public Issues (L)} & the Professions & REL 373: Women in Judaism \\
\hline & COM 263: Elements of Intercultural & REL 390: Women, Gender and Religion (HU \\
\hline ENG 301: Writing for the Professions (L) & Communication (SB \& C \& G) & \& G) \\
\hline HST 306: The Civil Rights Movement ((HU or SB) \& H) & COM 312: Communication, Conflict, and Negotiation & WST 100: Women, Gender, and Society (SB \& C) or WST 300: Women and Gender in \\
\hline \multirow[t]{2}{*}{HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H)} & COM 316: Gender and Communication (SB \& & Contemporary Society (SB \& C) \\
\hline & C) & WST 380: Race, Gender, and Class (SB \& C) \\
\hline HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H) & COM 323: Communication Approaches to Popular Culture (C) & \\
\hline HST 333: African American History to 1865
\[
(\mathrm{SB} \& \mathrm{H})
\] & COM 371: Language, Culture, and Communication (SB \& C \& G) & \\
\hline PHI 101: Introduction to Philosophy (HU) & HCR 331: Communication within & \\
\hline PHI 105: Intro to Ethics (HU) & Communities & \\
\hline PHI 306: Applied Ethics (HU) & & \\
\hline PSY 101: Introduction to Psychology (SB) & & \\
\hline REL 100: Religions of the World (HU \& G) & & \\
\hline REL 201: Religion and the Modern World (L or HU) & & \\
\hline REL 390: Women, Gender and Religion (HU \& G) & & \\
\hline WST 100: Women, Gender, and Society (SB \& C) or WST 300: Women and Gender in Contemporary Society (SB \& C) & & \\
\hline WST 390: Women, Gender and Religion (HU \& G) & & \\
\hline Psychology and Technology & Literature and Culture and Film & Middle East World Views \\
\hline \multirow[t]{2}{*}{HSE 101: Introduction to Human Systems Engineering (SB) or PSY 101: Introduction to Psychology (SB)} & ENG 201: World Literature (HU \& H \& G) & \multirow[t]{2}{*}{HST 230: Introduction to Jewish Civilization (HU \& H \& G)} \\
\hline & ENG 202: World Literature (HU \& H) & \\
\hline \multirow[b]{2}{*}{HSE 223: Applied Biology of Human Behavior (SB)} & \multirow[t]{2}{*}{ENG 204: Topics in Contemporary Literature (HU)} & HST 372: Modern Middle East (SB \& G \& H) \\
\hline & & HST 430: The Ottoman Empire in the Classical Period \\
\hline \multirow[t]{2}{*}{HSE 224: Applied Social Science (SB)} & \multirow[t]{2}{*}{\begin{tabular}{l}
ENG 230: Introduction to Film Studies (L or \(\mathrm{HU})\) \\
Academic Catalog Archive 2018-2019
\end{tabular}} & REL 365: Islamic Civilization (HU \& H) \\
\hline & & 2918 \\
\hline
\end{tabular}

HSE 225: Human Systems Integration
HSE 230: Statistics for Human Systems Research I (CS) or PSY 230: Introduction to Statistics (CS)

HSE 290: Experimental Methods for Human Systems Research (L) or PSY 290: Research Methods (L or SG)

HSE 323: Perceptual Systems (SB)
HSE 324: Applied Cognitive Science (SB) HSE 325: Human-Computer Interaction PSY 341: Developmental Psychology (SB) PSY 350: Social Psychology (SB)

HSE 423: Human Factors in Transportation
HSE 426: Training and Expertise
PSY 499: Individualized Instruction
Writing and Society
\begin{tabular}{l} 
Spanish for the Professions \\
ENG 215: Strategies of Academic Writing (L)
\end{tabular}
\begin{tabular}{l} 
SPA 317: Spanish for the Professions
\end{tabular}
ENG 216: Persuasive Writing on Public Issues
(L) \begin{tabular}{l} 
SPA 318: Advanced Spanish for Health Care \\
Professionals
\end{tabular}

REL 369: Women in Islam
REL 373: Women in Judaism

\section*{Science and Society}

BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

CHM 101: Introductory Chemistry (SQ)
CHM 107: Chemistry and Society (SQ)
CHM 113: General Chemistry I (SQ) AND CHM 116: General Chemistry II (SQ)

MIC 205: Microbiology (SG)
NTR 241: Human Nutrition

SES 100: Introduction to Exploration (CS)
STP 226: Elements of Statistics (CS)
STS 331: Ethical Issues in Science and Technology (SB)

STS 385: Technological Catastrophes or PHL 385: Technological Catastrophes

\section*{Special Event Management}

PRM 486: Special Events Management
PRM 487: Advanced Special Events Management

TDM 205: Introduction to Travel and Tourism (G)
\begin{tabular}{|c|c|c|}
\hline HCI 150: Introduction to Health Innovation & \multirow[t]{2}{*}{MCO 430: International Mass Communication (G)} & \\
\hline \multicolumn{2}{|l|}{HCI 250: Health Entrepreneurship and Value (G)} & \\
\hline Creation & MCO 435: Social Media & \\
\hline \multirow[t]{2}{*}{HCI 311: Health Innovation: Foundational Concepts} & MCO 450: Visual Communication (HU) & \\
\hline & & \\
\hline \multirow[b]{2}{*}{HCR 210: Ethics for the Health Care Professional (HU)} & MCO 455: War and Mass Media & \\
\hline & MCO 456: Political Communication (SB) & \\
\hline \multirow[t]{2}{*}{HCR 220: Introduction to Health Professions and the U.S. Health Care System (H)} & MCO 460: Race, Gender, and Media (C) & \\
\hline & MCO 465: Sports and Media & \\
\hline HCR 221: Foundational Concepts for Health Care Coordination & MCO 473: Sex, Love, and Romance in the Mass Media (SB) & \\
\hline HCR 230: Culture and Health (C \& G) or HCD 210: Cultural Aspects of Health (C) & MCO 494: Digital Media Literacy & \\
\hline \multirow[t]{2}{*}{HCR 231: Fundamentals of Community Health} & & \\
\hline & & \\
\hline HCR 241: Foundations of Integrative Health & & \\
\hline \multirow[t]{2}{*}{HCR 245: Sleep, Sleep Disorders and Behavior (SB)} & & \\
\hline & & \\
\hline \multirow[t]{2}{*}{HCR 260: Health Care Industry and Regulation} & & \\
\hline & & \\
\hline HCR 261: Health Care Compliance & & \\
\hline HCR 262: Health Care Licensure, Professional Development and Practice & & \\
\hline \multirow[t]{2}{*}{HCR 331: Communication within Communities} & & \\
\hline & & \\
\hline HCR 335: Program Development and Management for Community Health & & \\
\hline HCR 341: Biological, Manipulative, and Body-Based Therapies & & \\
\hline HCR 342: Mind-Body and Energy Therapies and Modalities & & \\
\hline HCR 350: Introduction to Clinical Research & & \\
\hline HCR 394: Fundamentals of Human Trafficking & & \\
\hline HSC 340: Changing Health Behaviors & & \\
\hline Nonprofit Management & Meeting Planning & The Urban Experience \\
\hline NLM 160: Voluntary Action and Community Leadership (SB) & TDM 205: Introduction to Travel and Tourism (G) & URB 220: Introduction to Urban America \\
\hline NLM 220: Introduction to Nonprofit Organizations & TDM 345: Meeting and Convention Planning & URB 300: Urban and Metropolitan Studies \\
\hline NLM 300: Fund Raising and Resource & Marketing & URB 302: Urban Theory \\
\hline Development & TDM 386: Convention Sales and Management & URB 305: Urban Governance \\
\hline
\end{tabular}


\section*{Criminology and Criminal Justice}

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 201: Criminal Justice Crime Control Policies and Practices

CRJ 203: Courts and Sentencing
CRJ 225: Introduction to Criminology (SB)
CRJ 230: Introduction to Policing
CRJ 240: Introduction to Corrections
CRJ 403: Victims and the Criminal Justice System

CRJ 404: Juvenile Delinquency
CRJ 405: Neighborhoods and Crime
CRJ 406: Sex Crimes
CRJ 408: Drugs and Crime

CRJ 422: Violence in America

CRJ 461: Domestic Violence

CRJ 462: Gangs

CRJ 463: White Collar Crime

\section*{National Service}

AES 101: Air Force Today I AES 103: Air Force Today II

AES 201: The Evolution of USAF Air and Space Power I

AES 203: The Evolution of USAF Air and Space Power II

AES 301: Air Force Leadership Studies I (L)
AES 303: Air Force Leadership Studies II (L)
AES 401: National Security Affairs (L)
MIS 101: Introduction to the United States Army

MIS 102: Foundation of Agile and Adaptive Leadership

MIS 201: Army Leadership and Decision Making

MIS 202: Army Doctrine and Team Development

MIS 301: Training Management and the Warfighting Functions (L)

MIS 302: Applied Leadership in Small-Unit Operations (L)

MIS 412: American Defense Policy II (SB \& G \& H)

NAV 101: Introduction to Naval Science

NAV 102: Sea Power and Maritime Affairs

NAV 402: Leadership and Ethics

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Integrative Sciences and Arts.
Location: Polytechnic campus
LSHISBA
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
4. ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
9 HST Elective 3
ASU 101-UC: The ASU Experience \(\quad 1\)
Mathematics (MA) ( MAT 142 recommended) 3
Humanities, Arts and Design (HU) 3
Elective 3
Maintain 2.25 GPA in Critical Tracking Courses.
Minimum 2.25 GPA in HST.
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by 9 & Hours & Minimum Grade \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

HST Elective 3
Computer/Statistics/Quantitative Applications (CS)
3
Natural Science - Quantitative (SQ) 4

Social-Behavioral Sciences (SB) 3

Maintain 2.25 GPA in Critical Tracking Courses.
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline ¢ HST Elective & 3 & C \\
\hline Global Awareness (G) & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & \\
\hline
\end{tabular}
4. Maintain 2.25 GPA in Critical Tracking Courses.
1. Complete Mathematics (MA) requirement.

Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU.
- Join a student club or professional organization.
\begin{tabular}{|c|c|c|c|}
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

History Related Area
3 C

- Students will need to complete 15 credit hours of Related Area Field courses (minimum of 9 hours upper division). Students choose one Related Area from the following options: Political Science (POS), Science, Technology and Society (STS), American Indian Studies (AIS), English (ENG), Religious Studies (REL), and Transborder Chicana/o and Latina (TCL). See Related Area Field prefix list below.

HST 448: Mexican/U.S. Border
HST 449: Mexican Immigration to the U.S.
\(((\) L or SB \() \&\) H \& C)
HST 450: Postmodern Mexico ((L or HU) \&
G)
HST 451: Chinese Cultural History I ((HU or
SB) \& H)
HST 452: Chinese Cultural History II (SB \&
G \& H)
HST 453: The People's Republic of China (SB
\& G \& H)
HST 456: The Vietnam War (SB \& G \& H)

\section*{Notes:}
- Student must complete a minimum of 12 upper division credit hours of HST courses offered by the College of Letters and Sciences.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
LSHSIIBA
\begin{tabular}{|c|c|c|c|}
\hline erm 10-13 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
1. ENG 105: Advanced First-Year Composition OR

ENG 107 or ENG 108: First-Year Composition
ASU 101-CLS: The ASU Experience 1
Humanities, Arts and Design (HU)
Mathematics (MA) 3
Social-Behavioral Sciences (SB) 3
Term hours subtotal: 13
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 13-28 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

HST 280: History of Science, Ideas and Innovation
3
3
3
Cultural Diversity in the U.S. (C)
.......
Social-Behavioral Sciences (SB) 3

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal: 15
\begin{tabular}{|c|c|c|c|}
\hline Term 328-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4. History of Science, Ideas and Innovation Elective & 3 & C & \multirow{7}{*}{- Secure a part-time job or volunteer experience.} \\
\hline Global Awareness (G) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 444-60 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 Related Area Course & 3 & C & \multirow{4}{*}{- Students must select Related Area courses all from ONE subject/prefix indicated at bottom of the major map.} \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline K Related Area Course & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Students must choose elective credits from the list provided at the bottom of the major map. \\
- Students must select Related Area courses all from ONE subject/prefix indicated at bottom of the major map. \\
- Network in your career interest area.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division History of Science, Ideas and Innovation Elective
\end{tabular} & 9 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division History of Science, Ideas and Innovation Elective
\end{tabular} & 9 & C & - Use Handshake to research employment \\
\hline Complete 2 courses: & 6 & & \\
\hline
\end{tabular}

Elective
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HST 495: Methods of Historical Inquiry (L) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Gather professional references. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division History of Science, Ideas and Innovation Elective
\end{tabular} & 9 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 4 courses: \\
Upper Division History of Science, Ideas and Innovation Elective
\end{tabular} & 12 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}


HST 312: History of Women in Science and Medicine (HU or SB)

HST 318: History of Engineering ((L or SB) \& G)

HST 319: History of Aviation
HST 345: Environmental History (L)

HST 380: Studies in the History of Science

HST 381: Studies in the History of Ideas

HST 382: Studies in the History of Innovation and Technology

HST 385: History of Chinese Medicine (HU \& H \& G)

HST 394: Special Topics
HST 482: Writing and the History of Science,
Ideas and Technology
HST 484: Internship
HST 494: Special Topics

\section*{Notes:}
- - Students must complete a minimum of 12 credit hours of HST courses offered by the College of Integrative Sciences and Arts.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Integrative Social Science, BS
School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
LSISSBS
Term 10 - 16 Credit Hours Critical course signified by
4. ISS 110: Dimensions of Social Science (SB) OR ISS 302: Scope
of Social Science (SB) Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

\section*{Notes}
- Students beginning their college experience at ASU will take ISS 110 to fulfill the introduction course requirement. Students who transfer to ASU with more than 45 credit hours will take ISS 302 to fulfill this requirement.
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or College specific equivalent First Year Seminar required of all Freshmen.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1) Humanities, Arts and Design (HU) & 3 & & \multirow{4}{*}{- Join a student club or professional organization.} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline 4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 32-47 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Humanities, Arts and Design (HU) & 3 \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 \\
\hline Global Awareness (G) & 3 \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 \\
\hline
\end{tabular}

Elective
Complete Mathematics (MA) requirement.
Term hours subtotal
15
\(\begin{array}{l}\text { Term } 4 \text { 47-63 Credit Hours Critical course signified by 4. }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

- Upper Division Thematic Clusters. Students will choose three (3) different Thematic Clusters and complete 9 credits from each. There are some required courses in clusters and students will choose additional courses to complete the 9 credit requirement. The same course may not be used to meet requirements in more than one Thematic Cluster.
Hide Course List(s)/Track Group(s)
Conflict Resolution and Peace Studies (ISS
441 required)

ISS 441: Conflict and Conflict Resolution (SB \& G)

ISS 428: Religion and Global Violence (G)
ISS 456: Culture, Conflict and War ((L or SB) \& G)

POS 339: Grassroots Social Movements (SB)
POS 467: International Security (SB \& G)
SOC 352: Social Change (SB \& G \& H)
STS 364: Science, Technology, and National Security (SB)

Ethics in the Professions (ISS 437 required)

ISS 437: Integrative Ethics in Social Science
ISS 410: Integrative Leadership Studies (SB)
STS 331: Ethical Issues in Science and Technology (SB)

STS 480: Technology, Ethics, and Society

Globalization and International Political Economy (ISS 482 and POS 485 required)

ISS 482: Globalization and International Political Economy

POS 485: Political Economy (SB)
ISS 450: Consumerism and Sustainable Development

POS 350: Comparative Politics (SB \& G)
POS 360: World Politics (SB \& G)
POS 361: American Foreign Policy (SB \& G)
POS 467: International Security (SB \& G)
STS 317: Science, Technology, and Global Engagement (SB \& G)

STS 329: Technology in Developing Countries (SB \& G)

STS 330: Information Technology and Globalization (SB \& G)

Governance, Leadership and Public Policy (POS 310 and POS 485 required)

POS 310: American National Government (SB)

POS 485: Political Economy (SB)
ISS 410: Integrative Leadership Studies (SB)
POS 325: Public Policy Development (SB)
POS 339: Grassroots Social Movements (SB)
POS 346: Problems of Democracy (HU)
POS 360: World Politics (SB \& G)
POS 364: National Security, Intelligence, and Terrorism (SB)

POS 370: Law and Society (SB)
POS 426: Elements of Public Policy (SB)
STS 325: Science, Technology, and Public Policy (SB)

Ethnicity, Gender and Social Justice (POS 485 and WST 380 required)

POS 485: Political Economy (SB)

WST 380: Race, Gender, and Class (SB \& C)

FAS 332: Human Sexuality (SB)
FAS 370: Family Ethnic and Cultural Diversity (SB \& C)

POS 439: Minority Group Politics in America (SB \& C)

SOC 315: Courtship and Marriage (SB)
SOC 352: Social Change (SB \& G \& H)
SOC 415: The Family (SB)
SOC 421: Education and Society (SB)

SOC 420: Sociology of Religion (L or SB)

SOC 421: Education and Society (SB)
STS 306: Social Effects of Science and Technology (SB)

STS 328: Science, Technology, and Culture (SB)

WST 300: Women and Gender in
Contemporary Society (SB \& C)

Science, Technology and Society (STS 304 required)

STS 304: Science, Technology, and Society (SB)

STS 302: Philosophy of Science and Technology (SB)

STS 303: History of Science and Technology (H)

STS 305: Science and Social Theory (SB)
STS 306: Social Effects of Science and Technology (SB)

STS 317: Science, Technology, and Global Engagement (SB \& G)

STS 318: Science, Technology, and Government (SB)

STS 325: Science, Technology, and Public Policy (SB)

STS 328: Science, Technology, and Culture (SB)

STS 332: Global Issues in Science and Technology (SB)

STS 364: Science, Technology, and National Security (SB)

STS 425: Law, Values, Science, and
Technology (SB)

STS 329: Technology in Developing
Countries (SB \& G)
STS 330: Information Technology and Globalization (SB \& G)

STS 331: Ethical Issues in Science and Technology (SB)

STS 332: Global Issues in Science and
Technology (SB)

STS 364: Science, Technology, and National Security (SB)

STS 385: Technological Catastrophes

STS 425: Law, Values, Science, and
Technology (SB)
STS 480: Technology, Ethics, and Society

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Interdisciplinary Studies, BA}

School/College: College of Integrative Sciences and Arts
Location: Downtown Phoenix campus, Polytechnic campus, Tempe campus
LSBISBIS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
4. ENG 105: Advanced First-Year Composition OR

ENG 107 or ENG 108: First-Year Composition
ASU 101-UC: The ASU Experience 1
Humanities, Arts and Design (HU)
Social-Behavioral Sciences (SB) 3
Elective 3
Term hours subtotal: 13
\begin{tabular}{|c|c|c|}
\hline Term 213-29 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline Mathematics (MA) ( MAT 142 recommended) & 3 & \\
\hline Global Awareness (G) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Elective & 3 & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 courses & & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU 101 or college specific equivalent First Year Seminar required of all freshmen students
- Mathematics Placement Assessment score determines placement in mathematics course
- Select your career interest area and play me3@ASU.
- Join a student club or professional organization.
\begin{tabular}{|c|c|c|c|}
\hline Term 3-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \multirow[b]{4}{*}{\begin{tabular}{l}
- Choose BIS concentration areas in collaboration with a BIS academic advisor. Available offerings found here. \\
- Secure a part-time job or volunteer experience.
\end{tabular}} \\
\hline Historical Awareness (H) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Complete 2 courses: Elective & 6 & & \\
\hline
\end{tabular}

4 Complete Mathematics (MA) requirement.
Term hours subtotal: 15
\begin{tabular}{|c|c|c|c|}
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. Concentration \#1 Courses & 3 & C & \\
\hline -1. Concentration \#2 Courses & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Concentration \#1 Courses & 3 & C & \multirow{6}{*}{- Network in your career interest area.} \\
\hline Concentration \#2 Courses & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 301: Foundations of Interdisciplinary Studies (L) & 3 & C & \multirow[t]{6}{*}{- Use Handshake to research employment opportunities.} \\
\hline Upper Division Concentration \#1 Courses & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Concentration \#2 Courses
\end{tabular} & 6 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \(\sum\) BIS 302: Interdisciplinary Inquiry & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Begin exploring BIS 401 applied study opportunities. Email BIS401@asu.edu to begin process. \\
- Gather professional references. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Concentration \#1 Courses
\end{tabular} & 6 & C & \\
\hline Upper Division Concentration \#2 Courses & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 401: Applied Interdisciplinary Studies & 3 & C & \\
\hline B BIS 402: Senior Seminar (L) & 3 & C & \\
\hline Upper Division Concentration \#1 Courses & 3 & C & \\
\hline Upper Division Concentration \#2 Courses & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Interdisciplinary Studies, BA
School/College: College of Integrative Sciences and Arts.
Location: Online
LSBISBIS

Fast Track Options: 2.5 Year | 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
ASU 101-UC: The ASU Experience
1
Humanities, Arts and Design (HU)
3
Term hours subtotal: 7
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by \({ }^{( }\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
C
ENG 107 or ENG 108: First-Year Composition
Social-Behavioral Sciences (SB)
Term hours subtotal:
-2

Term 2 - A 13 - Minnmm
1. Mathematics (MA) ( MAT 142 recommended)
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-26 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

4
33
- Secure a part-time job or volunteer experience.
Elective

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 26-32 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline 4. Concentration \#1 Course & 3 & C & - Choose BIS concentration areas in \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & collaboration with a BIS academic advisor. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 32-39 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline 4. Concentration \#2 Course & 3 & C & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Complete First-Year Composition requirement. & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 39-45 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline 4. Concentration \#1 Course & 3 & C & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 45-51 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. Concentration \#2 Course & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-A 51-57 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 57-63 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 301: Foundations of Interdisciplinary Studies (L) & 3 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 302: Interdisciplinary Inquiry & 3 & & - Use Handshake to research employment \\
\hline Upper Division Concentration \#1 Course & 3 & C & opportunities. \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 69-75 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Concentration \#1 Course & 3 & C & \\
\hline Upper Division Concentration \#2 Course & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Concentration \#1 Course & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 81-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline W Upper Division Concentration \#2 Course & 3 & C & \multirow[t]{2}{*}{\begin{tabular}{l}
- Gather professional references. \\
- Apply for full-time career opportunities
\end{tabular}} \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W Upper Division Concentration \#1 Course & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 93-99 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 2 Upper Division Concentration \#2 Course & 3 & C & \multirow[t]{3}{*}{- Begin exploring BIS 401 applied study opportunities. Email BIS401 @ asu.edu to begin process.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Concentration \#2 Course & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 5 BIS 401: Applied Interdisciplinary Studies & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 402: Senior Seminar (L) & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

\section*{Hrs Resident Credit for}

Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Interdisciplinary Studies (Organizational Studies), BA}

School/College: College of Integrative Sciences and Arts.
Location: Online
LSORGBIS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning \\
\hline ASU 101-UC: The ASU Experience & 1 & & - An SAT, ACT, Accuplacer, IELTS or \\
\hline Elective & 3 & & TOEFL score determines placement into \\
\hline Term hours subtotal: & 7 & & \begin{tabular}{l}
first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshmen students. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \multirow[t]{3}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline 4. Mathematics (MA) ( MAT 142 recommended) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 - Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Global Awareness (G) & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-A 25-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1 Natural Science - Quantitative (SQ) & \multicolumn{2}{|l|}{4} & \multirow[t]{3}{*}{- Secure a part-time job or volunteer experience.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 32-38 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-A 38-44 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Complete 2 courses: Elective & 6 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 44-51 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4. Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-A 51-57 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 300: Theories and Applications of Organizational Studies (L or SB) & 3 & C & \multirow[t]{3}{*}{- Network in your career interest area.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 57-63 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 亿 BIS 340: Special Topics & 3 & C & \\
\hline BIS 343: Social Processes in Organizations (L or SB) & 3 & C & \\
\hline  & 6 & & \\
\hline Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 340: Special Topics & 3 & & \multirow{3}{*}{- Use Handshake to research employment opportunities.} \\
\hline BIS 360: Organizational Contexts (SB) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 301: Foundations of Interdisciplinary Studies (L) & 3 & C & \multirow[t]{3}{*}{} \\
\hline  & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 302: Interdisciplinary Inquiry & 3 & C & \multirow[t]{3}{*}{} \\
\hline Elective & 3 &  & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 81-87 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline BIS 360: Organizational Contexts (SB) & 3 & C & \multirow[t]{2}{*}{\begin{tabular}{l}
- Gather professional references. \\
- Apply for full-time career opportunities
\end{tabular}} \\
\hline ..........).alective & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 8-A 87-93 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline OGL 355: Leading Organizational Innovation and Change (L) & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 8-B 93-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline O OGL 350: Diversity and Organizations (L \& C) & 3 & C & \multirow[t]{3}{*}{- Begin exploring BIS 401 applied study opportunities. Email BIS401@asu.edu if you have questions.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline OGL 360: Assessment of Leadership Effectiveness & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 6} \\
\hline Term 9-B 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W BIS 401: Applied Interdisciplinary Studies & 3 & C & \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline BIS 357: Assessment in Organizations & 3 & C & \\
\hline B BIS 402: Senior Seminar (L) & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 10-B 117-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{Elective 3} & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Liberal Studies, BA}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus, ASU@The Gila Valley
LABLSBLS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
4 ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
ASU 101-UC: The ASU Experience 1
Mathematics (MA) ( MAT 142 recommended) 3

Cultural Diversity in the U.S. (C) 3
Complete 2 courses:
Elective 6
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-29 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Join a student club or professional organization. \\
\hline Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 13 & & \\
\hline Term 329-44 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Computer/Statistics/Quantitative Applications (CS)
Global Awareness (G)
Complete 3 courses:
9
Elective
Complete Mathematics (MA) requirement.
Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 44-60 Credit Hours Critical course signified by \({ }^{\text {4- }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & \\
\hline Complete 4 courses: Elective & \multicolumn{2}{|l|}{12} \\
\hline Term hours subto & 16 & \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 5 \text { 60-75 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes


Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Liberal Studies, BA}

School/College: College of Integrative Sciences and Arts
Location: Online
LABLSBLS
\begin{tabular}{|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & \\
\hline Elective & 3 & \\
\hline Term hours sub & 7 & \\
\hline
\end{tabular}
- Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshmen students.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B7-13 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
(4. ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \multirow[t]{3}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. Mathematics (MA) ( MAT 142 recommended) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-B 19-25 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-A 25-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline  & \multicolumn{2}{|l|}{4} & \multirow{3}{*}{- Secure a part-time job or volunteer experience.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 32-38 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal: \(\quad 6\)

\(\begin{array}{l}\text { Term } 8 \text { - B 93-99 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.^{\text {Minimum }} \begin{array}{c}\text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Upper Division Elective & 3 \\
\hline Elective & 3 \\
\hline & 6 \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.


- Network in your career interest area.
\(\begin{array}{l}\text { Term } 6 \text { 75-90 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\author{
2018-2019 Major Map \\ Organizational Leadership, BA \\ School/College: College of Integrative Sciences and Arts \\ Location: Online \\ LSORGLBA
}

Fast Track Options: 2.5 Year | 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
C
ENG 107 or ENG 108: First-Year Composition
ASU 101-UC: The ASU Experience
1
Humanities, Arts and Design (HU)
3
Term hours subtotal: 7
- Completion of ASU 10 or ASU 11 or ASU 42 is highly recommended prior to beginning your first session of classes at ASU.
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshmen students.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - View ASU Online first-time freshmen registration information here. \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1. Mathematics (MA) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline OGL 200: Introduction to Organizational Leadership (SB) & 3 & C & \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 3-A 25-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1 ( OGL 220: Behavioral Dynamics in Organizations (SB) & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & 2955 \\
\hline
\end{tabular}



Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ - Humanities, Arts and Design (HU) \\ - Social-Behavioral Sciences (SB) \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Political Science, BS}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
LSPOLBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline POS 110: American Government and Politics (SB) & 3 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline MAT 142: College Mathematics (MA) & 3 & \\
\hline Related Area Course & 3 & C \\
\hline Elective & 3 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.
- Select your career interest area and play me3@ASU.



\section*{Hide Course List(s)/Track Group(s)}

Related Area Courses
AES OR AFR OR AIS OR APA OR ASB OR ASM OR COM OR ECN OR FAS OR GCU OR GPH OR HST OR JUS OR MIS OR PHI OR PSY OR REL OR SGS OR SOC OR STS OR TCL OR WST Elective
- - Students must complete a minimum of 12 credit hours of POS courses offered by the College of Integrative Sciences and Arts.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology, BA}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
LSPGSBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) MAT 170: Precalculus (MA) & 3 & C & \multirow[b]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline (1) PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline ASU 101-UC: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline CIS 105: Computer Applications and Information Technology (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & \\
\hline 4. PSY 230: Introduction to Statistics (CS) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & C \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & \\
\hline
\end{tabular}

Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 PSY 290: Research Methods (L or SG) & 4 & C & \multirow{7}{*}{- Secure a part-time job or volunteer experience.} \\
\hline CED 250: Career Development (L) & 3 & C & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & C \\
\hline Related Area Course & 3 & C \\
\hline Global Awareness (G) & 3 & \\
\hline
\end{tabular}

- Choose 12 credits below of psychology elective credits.


\section*{Notes:}
- - Students must complete a minimum of 12 credit hours of PSY courses offered by the College of Integrative Sciences and Arts.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology, BS}

School/College: College of Integrative Sciences and Arts.
Location: Polytechnic campus
LSPGSBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
\begin{tabular}{|c|c|c|}
\hline MAT 170: Precalculus (MA) & 3 & C \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline & 16 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline CIS 105: Computer Applications and Information Technology (CS) OR EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & & - Join a student club or professional organization. \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline 4 PSY 230: Introduction to Statistics (CS) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 32-45 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline 4 PSY 290: Research Methods (L or SG) & 4 & C & me job or volunteer \\
\hline 4. CED 250: Career Development (L) & 3 & C & experience. \\
\hline Historical Awareness (H) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 13 & & \\
\hline Term 4-58 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}Complete 2 courses
Related Area Course
Global Awareness (G)
6
C

Natural Science - General (SG) OR Natural Science - Quantitative 3
(SQ)
\begin{tabular}{|c|c|c|c|}
\hline Term 5-78-74 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \multicolumn{4}{|l|}{\begin{tabular}{l}
Complete 2 courses: \\
PSY 320: Learning and Motivation OR PSY 323: Sensation and \\
Perception OR PSY 324: Memory and Cognition OR PSY 330: \\
- Psychology BS majors are required to \\
Statistical Methods (CS) OR PSY 341: Developmental Psychology take one Life Science lab course and one \\
(SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Physical Science lab course in addition to Psychology (SB) PSY 290 and two required university general studies science courses.
\end{tabular}} \\
\hline Life Science Lab Course - Applied Biological Science, Biology, or Microbiology & 4 & C & - Network in your career interest area. \\
\hline Upper Division Psychology Electives & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 674-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
PSY 320: Learning and Motivation OR PSY 323: Sensation and \\
Perception OR PSY 324: Memory and Cognition OR PSY 330: \\
Statistical Methods (CS) OR PSY 341: Developmental Psychology \\
(SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB)
\end{tabular} & 6 & C & - Psychology BS majors are required to take one Life Science lab course and one Physical Science lab course in addition to PSY 290 and two required university general studies science courses. \\
\hline Physical Science Lab Course - Astronomy - Chemistry, Geology, or Physics & 4 & C & opportunities. \\
\hline Upper Division Psychology Electives & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 16} \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 330: \\
Statistical Methods (CS) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB)
\end{tabular} & 3 & C & \begin{tabular}{l}
- Gather professional references. \\
- Apply for full-time career opportunities.
\end{tabular} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Psychology Electives
\end{tabular} & 6 & C & \\
\hline \multicolumn{4}{|l|}{Upper Division Elective} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 15} \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|}
\hline Hide Course List(s)/Track Group(s) & \multirow[b]{2}{*}{Related Area Courses (6 Credit Hours)} \\
\hline Upper Division Psychology Electives (15 & \\
\hline Credits) & \\
\hline \multirow[t]{2}{*}{PSY 304: Effective Thinking (L)} & \multirow[b]{2}{*}{COM Elective} \\
\hline & \\
\hline PSY 306: Environmental Psychology (SB) & HSE Elective \\
\hline PSY 315: Personality Theory and Research (SB) & ISS Elective \\
\hline PSY 325: Physiological Psychology & POS Elective \\
\hline PSY 369: Biology of Human Sexuality & SOC Elective \\
\hline PSY 385: Psychology of Gender (SB) & \\
\hline PSY 399: Supervised Research & \\
\hline PSY 425: Biological Bases of Behavior (L) & \\
\hline PSY 430: Industrial Psychology & \\
\hline PSY 444: Adolescent Psychology and Psychopathology & \\
\hline PSY 447: Psychology of Aging (SB) & \\
\hline PSY 453: Organizational Behavior (SB) & \\
\hline PSY 470: Psychopharmacology & \\
\hline PSY 472: Clinical Psychology & \\
\hline PSY 482: Social Influence and Consumer Behavior (SB) & \\
\hline
\end{tabular}

\section*{Notes:}
- Students must complete a minimum of 12 credit hours of PSY courses offered by the College of Integrative Sciences and Arts.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Science, Technology and Society, BS}

School/College: College of Integrative Sciences and Arts.
Location: Polytechnic campus
ECSTSBS
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

STS 101: Introduction to Science, Technology, and Society (SB)
3
C
ASU 101-UC: The ASU Experience
1
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
Mathematics (MA) ( MAT 142 recommended)
3
Humanities, Arts and Design (HU)
Elective 3
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] \\
\hline 1. STS 110: Global Technology and Development (SB \& G) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}

Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-47 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline (1) Humanities, Arts and Design (HU) & \multicolumn{2}{|l|}{3} & \multirow{7}{*}{- Secure a part-time job or volunteer experience.} \\
\hline Related Area Course & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 3 & & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 447-60 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Students must select one "Upper Division Track Focus Area" to complete from choices below.

Hide Course List(s)/Track Group(s)
General Science, Technology and Society
Track Focus Area Option \#1
Select 18 upper division credits in consultation
with STS Academic Advisor

General Science, Technology and Society
Track Focus Area Option \#1
Select 18 upper division credits in consultation with STS Academic Advisor

Global Technology and Development Track Option \#3

STS 328: Science, Technology, and Culture (SB)

Science, Tecnology and Governance Track Option \#2

POS 310: American National Government (SB)
STS 329: Technology in Developing
Countries (SB \& G) \(\quad\)\begin{tabular}{l} 
STS 318: Science, Technology, and \\
Government (SB)
\end{tabular}

\section*{Related Area Courses}

AES OR AFR OR AIS OR APA OR ASB OR ASM OR COM OR ECN OR FAS OR GCU OR HST OR JUS OR MIS OR POS OR PHI OR PSY OR REL OR SGS OR SOC OR TCL OR WST Elective

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Technical Communication, BS}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
LSTECBS
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
1 ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
ASU 101-UC: The ASU Experience 1
MAT 142: College Mathematics (MA) OR Mathematics (MA) 3
Humanities, Arts and Design (HU) 3
Natural Science - Quantitative (SQ) 4
Term hours subtotal: 14

- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU.
- Join a student club or professional organization.
\begin{tabular}{|c|c|c|c|}
\hline Term 3-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1. Related Area Course & 3 & C & \multirow[b]{6}{*}{- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industrycourses in software engineering; Web authoring courses in internet and web development;} \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline 1 Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & information technology. Related area courses should be selected in consultation with a Technical Communication advisor \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Global Awareness (G) & 3 & & \\
\hline Historical Awareness (H) Academic Catal & \[
\begin{gathered}
3 \\
\text { hive } 20
\end{gathered}
\] & & 2973 \\
\hline
\end{tabular}

\(\begin{array}{l}\text { Term } 790 \text { - } \mathbf{1 0 5} \text { Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{l}\text { Minimum } \\ \text { Grade }\end{array}\right]\)
Term 8105-120 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|cc}
\hline Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Complete 2 courses: & 6 & C \\
\hline \multicolumn{3}{|l|}{TWC Upper Division Elective} \\
\hline Upper Division Related Area Course & 3 & C \\
\hline Elective & 3 & \\
\hline & 15 & \\
\hline
\end{tabular}
- TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.
- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industrycourses in software engineering; Web authoring courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

\section*{Hide Course List(s)/Track Group(s)}

TWC 44* or TWC 45* Electives
TWC 443: Grant \& Proposal Writing
TWC 444: User Experience
TWC 445: Content Management and
Topic-Based Authoring
TWC 446: Technical and Scientific Reports (L)

TWC 451: Copyright and Intellectual Property in the Electronic Age

TWC 452: Information in the Digital Age
TWC 453: Information and Communications Technology in American History (H)

TWC 454: Information Technology and Culture (C)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Technical Communication, BS}

School/College: College of Integrative Sciences and Arts
Location: Online
LSTECBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
ASU 101-UC: The ASU Experience
1
Humanities, Arts and Design (HU) 3

Term hours subtotal
7
- An SAT, ACT, Accuplacer IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in Mathematics course.
- ASU 101 or college-specific equivalent First Year Seminar required of all Freshmen.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \multicolumn{4}{|l|}{\begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
- View ASU Online first-time freshmen \\
ENG 107 or ENG 108: First-Year Composition registration information here.
\end{tabular}} \\
\hline \multicolumn{3}{|l|}{Mathematics (MA) ( MAT 142 recommended) 3} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \multicolumn{4}{|l|}{4. Social-Behavioral Sciences (SB) 3} \\
\hline \multicolumn{3}{|l|}{Elective 3} & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 6} \\
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 6} \\
\hline Term 3-A 25-32 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1. Natural Science - Quantitative (SQ) & 4 & & - Secure a part-time job or volunteer \\
\hline Social-Behavioral Sciences (SB) & 3 & & experience. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 32-38 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 Related Area course & 3 & C & \multirow[b]{3}{*}{- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your} \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline
\end{tabular}
career interest. For example: Software industrycourses in software engineering; Web authoring courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Term 6 - B 69-75 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes

Term hours subtotal: 6
\begin{tabular}{lll} 
Term 7 - A 75 - \(\mathbf{8 1}\) Credit Hours Necessary course signified by & Hours & \begin{tabular}{l} 
Minimum \\
Grade
\end{tabular} \\
Notes
\end{tabular}

Term 8 - A 87-93 Credit Hours Necessary course signified by
Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) N Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 8-B 93-99 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

- TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline .................................................. & 3 & C & \multirow[t]{3}{*}{- TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \(\cdots\) & Hours & Grade & Notes \\
\hline \% TWC Upper Division Elective & 3 & C & \multirow[t]{3}{*}{- TWC Upper Division Elective: any TWC 300/400 course will fulfill this area. Students are strongly encouraged to participate in an internship (TWC 484) or a supervised work experience in their final academic year.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I TWC 490: Capstone & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 10-B 117-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 3} \\
\hline
\end{tabular}

\footnotetext{
Hide Course List(s)/Track Group(s)
TWC 44* OR TWC 45* Elective
TWC 443: Grant \& Proposal Writing
TWC 444: User Experience
TWC 445: Content Management and Topic-Based Authoring

TWC 446: Technical and Scientific Reports (L)

TWC 451: Copyright and Intellectual Property in the Electronic Age

TWC 452: Information in the Digital Age
TWC 453: Information and Communications
Technology in American History (H)

TWC 454: Information Technology and Culture (C)
}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Technical Communication (User Experience), BS}

School/College: College of Integrative Sciences and Arts
Location: Polytechnic campus
LSTECUBS


Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4. Concentration Elective Course & 3 & C \\
\hline Global Awareness (G) & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline
\end{tabular}
\(\qquad\)
- Complete Mathematics (MA) requirement.

Term hours subtotal:
16
Term 4 48-63 Credit Hours Critical course signified by !. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
Mathematics Placement Assessment score determines placement in mathematics

First-Year Seminar required of all freshman students

Select your career interest area and play me3@ASU.
- Join a student club or professional organization
- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industrycourses in software engineering; Web authoring -
courses in internet and web development Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.
Term 5 63-78 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline TWC 421: Principles of Web Authoring (L) & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industrycourses in software engineering; Web authoring courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor. \\
- Gather professional references. \\
- Apply for full-time career opportunities
\end{tabular}} \\
\hline § TWC 444: User Experience & 3 & C & \\
\hline Upper Division Concentration Elective Course & 3 & C & \\
\hline Upper Division Related Area Course & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
Term 8 108-120 Credit Hours Necessary course signified by
Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

career interest. For example: Software industrycourses in software engineering; Web authoring courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Technical Communication (User Experience), BS}

School/College: College of Integrative Sciences and Arts.
Location: Online
LSTECUBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline HSE 101: Introduction to Human Systems Engineering (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline
\end{tabular}

Term hours subtotal:
7
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Test score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. Mathematics (MA) & \multicolumn{2}{|l|}{3} & \multirow{3}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Join a student club or professional organization
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4. Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-B 19-26 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) Natural Science - Quantitative (SQ) & 4 & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline (4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-A 26-32 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) Concentration Elective Course & 3 & C & - Secure a part-time job or volunteer \\
\hline Social-Behavioral Sciences (SB) & 3 & & experience. \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-B 32-38 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
Global Awareness (G)
Humanities, Arts and Design (HU)

\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 51-57 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & - Network in your career interest area \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 57-63 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § TWC 301: Fundamentals of Writing for Digital Media (L) & 3 & C & \\
\hline HSE 325: Human-Computer Interaction & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline TWC 401: Fundamentals of Technical Communication (L) & 3 & C \\
\hline Elective & 3 & \\
\hline Term hou & 6 & \\
\hline
\end{tabular}
Term 6-B 69-75 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 8-B 93-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TWC Upper Division Elective & 3 & C & \multirow[t]{3}{*}{- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry courses in software engineering; Web authoring courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.} \\
\hline Upper Division Related Area Course & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}

should be selected in consultation with a
Technical Communication advisor.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TWC 44* Elective OR TWC 45* Elective & 3 & C & \\
\hline Elective OR TWC 484: Internship & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TW TWC 490: Capstone & 3 & C & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}
Hide Course List(s)/Track Group(s)
Concentration Elective Courses (9 credits
total, minimum 3 upper division credits)
GIT 210: Creative Thinking and Design
Visualization
GIT 402: New Media Internet Technologies
HSE 230: Statistics for Human Systems
Research I (CS)
HSE 290: Experimental Methods for Human
Systems Research (L)
HSE 324: Applied Cognitive Science (SB)
TWC 414: Visualizing Data and Information

TWC 445: Content Management and Topic-Based Authoring

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Computing, BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus, ASU@Lake Havasu
ASACOBS
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (4) ACO 101: Introduction to Computer Science (CS) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline Historical Awareness (H) & 3 & \\
\hline Mathematics (MA) OR Elective & 3 & \\
\hline Elective & 3 & \\
\hline Term hours & 16 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course. Student may elect to take an MA course if needed to prepare for MAT 210 in term 2.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101.
- Select your career interest area and play me3@ASU.

\begin{tabular}{|c|c|c|c|}
\hline Term 47-62 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline Upper Division Applied Computing Electives & Upper Division Communication Elective \\
\hline ACO 321: Database Development \& Applications & COM 312: Communication, Conflict, and Negotiation \\
\hline ACO 331: Network Design & \multirow[t]{2}{*}{COM 316: Gender and Communication (SB \& C)} \\
\hline ACO 351: Governance, Risk and Compliance & \\
\hline ACO 361: Secure Coding Concepts & COM 317: Nonverbal Communication \\
\hline ACO 394: Special Topics & COM 353: Professional Communication \\
\hline ACO 420: Big Data Systems & COM 371: Language, Culture, and Communication (SB \& C \& G) \\
\hline ACO 421: Data Mining and Warehousing & \multirow[t]{2}{*}{COM 400: Communication in Professions ( \(\mathrm{HU} \& \mathrm{C}\) )} \\
\hline ACO 422: XML and Databases & \\
\hline ACO 423: Data Science & COM 416: Gender and Race in the Media \\
\hline ACO 430: Wireless Networks & COM 457: New Media \\
\hline ACO 431: Network Security & COM 459: Theory and Methods of Social Media Networks \\
\hline ACO 432: Distributed Systems & \multirow[b]{2}{*}{COM 463: Intercultural Communication in a Global Context (SB \& G)} \\
\hline ACO 461: Security Operations & \\
\hline ACO 494: Special Topics & COM 471: Global Media and Cultural Identity
(G) \\
\hline
\end{tabular}

Liberal Arts Electives
AMS Elective
ARS Elective
ASB Elective
COM Elective

ECN Elective

ENG Elective
ETH Elective
HRC Elective
HST Elective
IAP Elective
IAS Elective
JHR Elective
LAS Elective
NEW Elective

Upper Division Ethics and Diversity Elective
IAP 464: Media and Diversity (HU \& G)
IAS 340: Bioethics (HU)
IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)

IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)

IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)

PHI 306: Applied Ethics (HU)
PHI 360: Business and Professional Ethics (HU)
\begin{tabular}{|c|c|}
\hline Upper Division Communication Elective & Upper Division Ethics and Diversity Elective \\
\hline \multirow[t]{2}{*}{COM 312: Communication, Conflict, and Negotiation} & IAP 464: Media and Diversity (HU \& G) \\
\hline & \\
\hline COM 316: Gender and Communication (SB \& C) & IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU) \\
\hline COM 317: Nonverbal Communication & \\
\hline COM 353: Professional Communication & Policy (L or HU) or PHI 407: Environmental \\
\hline \multirow[t]{2}{*}{COM 371: Language, Culture, and Communication (SB \& C \& G)} & ophy and Policy (L or \\
\hline & IAS 409: Eco-Community Ethics (HU) or PHI \\
\hline \multirow[b]{2}{*}{COM 400: Communication in Professions ( \(\mathrm{HU} \& \mathrm{C}\) )} & 409: Eco-Community Ethics (HU) \\
\hline & PHI 306: Applied Ethics (HU) \\
\hline COM 416: Gender and Race in the Media & PHI 360: Business and Professional Ethics
(HU) \\
\hline COM 457: New Media & \\
\hline
\end{tabular}

PAX Elective
PHI Elective
POS Elective

PSY Elective

REL Elective

SBS Elective

SOC Elective

SPA Elective

WST Elective

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Computing (Cybersecurity), BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASACOCBS
\begin{tabular}{l} 
Term 10-16 Credit Hours Critical course signified by 4 \\
(4) ACO 101: Introduction to Computer Science (CS) \\
\hline ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline CO 240: Introduction to Programming Languages & 3 & C \\
\hline STP 226: Elements of Statistics (CS) & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Develop your professional online presence.
Term 563-78 Credit Hours Necessary course signified by \begin{tabular}{c|c|c|c} 
Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ACO 320: Database Systems and Transaction Processing & 3 & C \\
\hline ACO 330: Computer Networks & 3 & C \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB) & 3 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline ACO 350: Systems Programming (CS) & 3 & C \\
\hline ACO 361: Secure Coding Concepts & 3 & C \\
\hline ACO 430: Wireless Networks & 3 & C \\
\hline Diversity Elective & 3 & C \\
\hline Elective & 3 & \\
\hline
\end{tabular}
- Use Handshake to research employment opportunities.

\section*{Complete Cultural Diversity in the U.S. (C) AND Global Awareness}
(G) AND Historical Awareness (H) course(s).

Complete ACO 320 AND ACO 330 course(s).
Term hours subtotal:
15
Term 793 - 105 Credit Hours Necessary course signified by
Term 8 105-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|}
\hline Upper Division Communication Elective & 3 & C \\
\hline Upper Division Ethics Elective & 3 & C \\
\hline Upper Division Elective & 3 & \\
\hline & 15 & \\
\hline
\end{tabular}
maximum of 3 hours per semester (six hours total in the major). Subject of study requires faculty approval.
\begin{tabular}{|c|}
\hline Hide Course List(s)/Track Group(s) \\
\hline Upper Division Communication Elective \\
\hline COM 312: Communication, Conflict, and Negotiation \\
\hline COM 316: Gender and Communication (SB \& C) \\
\hline COM 317: Nonverbal Communication \\
\hline COM 353: Professional Communication \\
\hline COM 415: Risk Communication \\
\hline COM 416: Gender and Race in the Media \\
\hline COM 459: Theory and Methods of Social Media Networks \\
\hline COM 471: Global Media and Cultural Identity
(G) \\
\hline COM 477: Sport, Culture, and Discourses \\
\hline Upper Division Ethics Elective \\
\hline IAS 340: Bioethics (HU) \\
\hline IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU) \\
\hline IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU) \\
\hline IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU) \\
\hline PHI 306: Applied Ethics (HU) \\
\hline PHI 360: Business and Professional Ethics (HU) \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

Upper Division Cybersecurity Elective
ACO 401: Managing Cyber Risks in Enterprise Business Processes

ACO 494: Special Topics

FOR 350: Computer Forensics

\section*{Diversity Elective}

ASB 211: Women in Other Cultures ((HU or SB) \& G)

COM 263: Elements of Intercultural Communication (SB \& C \& G)

ENG 317: Cross-Cultural Writing ((L or HU) \& G)

IAP 464: Media and Diversity (HU \& G)

POS 480: Global Justice (G) or SBS 480:
Global Justice (G)
PSY 385: Psychology of Gender (SB)

SBS 301: Cultural Diversity ((L or SB) \& C)
WST 220: Gender, Media and Culture ((HU or SB) \& C)

WST 390: Women, Gender and Religion (HU \& G) or REL 390: Women, Gender and Religion (HU \& G)

Upper Division Ethics Elective
IAS 340: Bioethics (HU)
IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)

IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)

IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU) (HU)

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ - Humanities, Arts and Design (HU) \\ Total Community College Hrs: 64 maximum \\ - Social-Behavioral Sciences (SB) \\ Total College Residency Hrs: 12 minimum \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Mathematics, BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASMATBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) ACO 101: Introduction to Computer Science (CS) & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent
\end{tabular}} \\
\hline (1) MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & First-Year Seminar required of all freshman \\
\hline Humanities, Arts and Design (HU) & 3 & & students. NEW 101 satisfies this requirement. \\
\hline Term hours subtotal: & 14 & & \begin{tabular}{l}
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) ACO 102: Object-Oriented Programming (CS) & 3 & C & \\
\hline (4) MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline (1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 330-44 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4. MAT 272: Calculus with Analytic Geometry III (MA) & 4 & C & \multirow[t]{4}{*}{- Develop your research skills.} \\
\hline STP 280: Probability and Statistics for Researchers (CS) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \multicolumn{3}{|l|}{(1) Complete First-Year Composition requirement.} & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) MAT 275: Modern Differential Equations (MA) & 3 & C & \multirow[b]{3}{*}{- Explore an internship, study abroad, or IGLE experience.} \\
\hline STP 281: Statistical Analysis for Researchers & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science - General (SG) OR Natural Science - Quantitative (SQ)} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I MAT 300: Mathematical Structures (L) & 3 & C & \multirow[t]{2}{*}{- IAS 300 ( 3 credit hours) is required for all transfer students.} \\
\hline MAT 343: Applied Linear Algebra & 3 & C & \\
\hline Literacy and Critical Inquiry (L) or IAS 300: Adult Career Development (L or SB) & \multicolumn{2}{|l|}{3} & \multirow[t]{4}{*}{- Develop your professional online presence} \\
\hline Historical Awareness (H) & \multicolumn{2}{|l|}{3} & \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MAT 350: Techniques and Applications of Applied Mathematics & 3 & C & \multirow[t]{7}{*}{- Use Handshake to research employment opportunities} \\
\hline W MAT 371: Advanced Calculus I & 3 & C & \\
\hline W MAT 421: Applied Computational Methods (CS) & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & \multirow[t]{2}{*}{3} & & \\
\hline \multicolumn{2}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MAT 452: Introduction to Chaos and Nonlinear Dynamics & 3 & C & \\
\hline 3 MAT 472: Intermediate Real Analysis I & 3 & C & \\
\hline Upper Division Applied Math Elective & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MAT 450: Mathematical Models in Biology OR MAT 451: Mathematical Modeling (CS) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Applied Math Elective
\end{tabular} & 6 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline  & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
- Maximum of 6 credit hours of MAT 499. If also taking MAT 493, then only 3 credit hours of MAT 499 allowed.
```

Hide Course List(s)/Track Group(s)
Upper Division Applied Math Electives
MAT 419: Introduction to Linear Optimization
(CS)
MAT 429: Optimization
MAT 443: Introduction to Abstract Algebra
MAT 445: Theory of Numbers
MAT 450: Mathematical Models in Biology or
MAT 451: Mathematical Modeling (CS)
MAT 462: Applied Partial Differential
Equations
MAT 492: Honors Directed Study
MAT 499: Individualized Instruction
STP 310: Design and Analysis of Experiments
STP 311: Regression and Time Series
Analyses

```

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science, BAS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASBASBAS
- Students may complete the BAS program requirements in 45-60 upper division credit hours, determined by choice of area of concentration and number of general studies requirements completed in AAS degree
- Working with an advisor, students will select a minor available at ASU or construct an individualized concentration with a coherent theme or purpose.
\begin{tabular}{|c|c|c|c|c|}
\hline Applicable Community Co Hours & ites 0-60 Credit & Hours & Minimum Grade & Notes \\
\hline \multirow[t]{2}{*}{AAS Transfer Degree Block} & & \multicolumn{2}{|l|}{60} & \multirow[t]{2}{*}{\begin{tabular}{l}
- Students may meet lower division general studies requirements with the AAS degree. \\
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree. \\
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\end{tabular}} \\
\hline & Term hours subtotal: & 60 & & \\
\hline
\end{tabular}
Term 5 60 \(\mathbf{7 2}\) Credit Hours Necessary course signified by

\begin{tabular}{|c|c|}
\hline Aesthetics/Creativity & Ethics \\
\hline ARS 300: Introduction to Art (HU) & \multirow[t]{2}{*}{IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)} \\
\hline IAP 301: Energetic Systems of Art: & \\
\hline Collaboration in the Arts (HU) & \multirow[t]{2}{*}{IAS 401: Sacred Scriptures and Social Choices (HU \& G) or REL 401: Sacred Scriptures and Social Choices (HU \& G)} \\
\hline IAP 307: Art and War (HU \& G) & \\
\hline IAP 464: Media and Diversity (HU \& G) & \multirow[t]{2}{*}{IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)} \\
\hline MUS 340: Music for the Concert Hall, Stage, & \\
\hline and Screen (HU \& H) & \multirow[t]{2}{*}{IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)} \\
\hline MUS 347: Jazz in America (HU \& C) & \\
\hline MUS 349: Music in America (HU \& H) & \multirow[t]{2}{*}{IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU)} \\
\hline MUS 354: Popular Music (HU) & \\
\hline THE 320: History of the Theatre I (HU \& H) & IAS 410: Evolution of Ideas (L or HU) \\
\hline \multirow[t]{5}{*}{THE 321: History of the Theatre II (HU \& H)} & IAS 430: Science and Religion (L or HU) \\
\hline & PHI 306: Applied Ethics (HU) \\
\hline & PHI 318: Philosophy of Religion (HU) \\
\hline & PHI 360: Business and Professional Ethics (HU) \\
\hline & PHI 408: Feminist Ethics (HU) \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

\section*{Total College Residency Hrs: 12 minimum}
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

Biology, BA
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASLSCBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) BIO 181: General Biology I (SQ) & 4 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent
\end{tabular}} \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 170: Precalculus (MA) & 3 & C & First-Year Seminar required of all freshman \\
\hline NEW 101: The ASU New College Experience & 1 & & students. NEW 101 satisfies this requirement. \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 215-29 Credit Hours Critical course signified by \({ }^{\dagger}\) & Hours & Minimum Grade & Notes \\
\hline (4. BIO 182: General Biology II (SG) & 4 & C & \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline \multicolumn{3}{|l|}{6. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours & 14 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-43 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Physics Requirement Set A OR Physics Requirement Set B 4 C
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235:
Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic 4 C Chemistry Laboratory I

Literacy and Critical Inquiry (L) 3
Social-Behavioral Sciences (SB) 3
Complete BIO 181, BIO 182 course(s).
Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
- Students will complete one of two sets of Physics course work over two terms. Choose either Set A or B below.
- The only students who need the two semester sequence of organic chemistry courses (CHM 233, CHM 237, CHM 234 and CHM 238) are those who plan to apply to a graduate school in a health profession. All that is required for the degree is the one semester CHM 231 and CHM 235.
- If student selects the two semester sequence of organic chemistry, then they will take CHM 234 and 238 in place of elective credits in Term 4.
- Develop your research skills.
\begin{tabular}{|c|c|c|}
\hline Physics Requirement Set A OR Physics Requirement Set B & 4 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) ( STP 226 recommended) & 3 & \\
\hline Elective OR CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II & 4 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Complete CHM 113, CHM 116 course(s). & & \\
\hline Term hours subtotal: & 17 & \\
\hline
\end{tabular}
- Students will complete remaining option in chosen set of Physics course work.
- The two semester sequence of organic chemistry courses is intended for students who plan to apply to a graduate school in a health profession. If student is pursuing the two semester sequence of organic chemistry courses and completed CHM 233 and CHM 237 in Term 3 then they should select CHM 234 and CHM 238 in Term 4.
- Students who elected to take CHM 231 and CHM 235 in Term 3 should take a 4 credit elective in Term 4.
- Explore an internship or IGLE international experience.
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline LSC 347: Fundamentals of Genetics & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Upper Division Biology Electives must be courses designated for Biology (or related) majors only, and should be courses that require BIO 181 and BIO 182 as a prerequisite at a minimum. Seek academic advising prior to enrollment. \\
- Only 3 credit hours of BIO/LSC 493 or BIO/LSC 499 and 3 credit hours of BIO/LSC 484 allowed for Upper Division Biology Elective. \\
- Develop yourprofessional online presence.
\end{tabular}} \\
\hline Upper Division Biology Elective Course & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) or IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}


- Upper Division Biology Electives must be courses designated for Biology (or related) majors only, and should be courses that require BIO 181 and BIO 182 as a prerequisite at a minimum. Seek academic advising prior to enrollment.
- Only 3 credit hours of BIO/LSC 493 or BIO/LSC 499 and 3 credit hours of BIO/LSC 484 allowed for Upper Division Biology Elective.
\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Biology Elective Course
\end{tabular} & 6 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Upper Division Biology Electives must be courses designated for Biology (or related) majors only, and should be courses that require BIO 181 and BIO 182 as a prerequisite at a minimum. Seek academic advising prior to enrollment. \\
- Only 3 credit hours of BIO/LSC 493 or BIO/LSC 499 and 3 credit hours of BIO/LSC 484 allowed for Upper Division Biology Elective
\end{tabular}} \\
\hline Historical Awareness (H) & 3 & & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Upper Division Elective OR LSC 484: Internship & \multicolumn{2}{|l|}{3} & \\
\hline Term hour & 15 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
Upper Division Biology Elective Courses Physics Requirement Set A

\section*{Physics Requirement Set B}

PHY 111: General Physics (SQ) AND PHY
113: General Physics Laboratory (SQ)
PHY 112: General Physics (SQ) AND PHY
114: General Physics Laboratory (SQ)

PLB 300: Plant Diversity and Evolution (L or SG)

PLB 310: The Flora of Arizona
BCH Upper Division Elective
BIO Upper Division Elective
LSC Upper Division Elective
MIC Upper Division Elective
PLB Upper Division Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus, ASU@Lake Havasu
ASLSCBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101.
- Students considering medical school, graduate school, or research are encouraged to enroll in MAT 270 (and 271 the following semester) in place of MAT 210 so that they have a full year of calculus. This may require more than 120 hours to complete the degree.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4. BIO 182: General Biology II (SG) & 4 & C & \multirow[b]{3}{*}{- Students taking MAT 270 AND MAT 271 in place of MAT 210 still must complete a Statistics course. Students wishing to take STP 226 can take MAT 271 in place of STP 226 in term 2, and then take STP 226 in a later term.} \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) OR STP 226: Elements of Statistics (CS) & 3 & C & - Students considering medical school, graduate school, or research are encouraged to enroll in STP 280 (and 281 the following semester) in \\
\hline Elective & 1 & & place of STP 226 so that they have a full year of \\
\hline \multicolumn{3}{|l|}{(1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & statistics. Note that MAT 270 and 271 are \\
\hline Term hours subtotal: & 15 & & may require more than 120 hours to complete the degree. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & 4 & C & - Develop your research skills. \\
\hline CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I & 4 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} & \\
\hline \begin{tabular}{l}
Complete Mathematics (MA) requirement. \\
Academic Catal
\end{tabular} & ive 2018 & & 3009 \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 676-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory OR BIO 353: Cell Biology AND BIO 354: Cell 4 Biology LaboratoryUpper Division Distribution Course 4 C

Historical Awareness (H) 3

Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
14
Term 7 90-106 Credit Hours Necessary course signified by Hours \begin{tabular}{l} 
Minimum \\
Grade
\end{tabular} Notes
\begin{tabular}{|c|c|}
\hline Upper Division Humanities, Arts and Design (HU) OR Upper & 3 \\
\hline \multicolumn{2}{|l|}{Division Social-Behavioral Sciences (SB) ( ASB 353 OR SOC} \\
\hline \multicolumn{2}{|l|}{353 recommended)} \\
\hline Complete 2 courses: & 6 \\
\hline Elective & 6 \\
\hline
\end{tabular}

Integrative Systems Ecology, 3. Organismal Biology.
- Upper Division Related Area Elective must be courses designated for Biology (or related) majors only, and should be courses that require BIO 181 and BIO 182 as a prerequisite at a minimum. Seek advisor approval. A maximum of 3 credit hours from BIO/LSC 499 or BIO/LSC 493 and a maximum of 3 credit hours from BIO/LSC 484 may be applied to this requirement.
\begin{tabular}{|c|c|c|c|}
\hline Term 8106 -120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory OR BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory & 4 & C & \multirow[t]{3}{*}{- Students must select a minimum of one lecture or lecture/lab combined course from each one of the three distribution areas: 1. Cellular, Molecular, and Physiological Biology, 2. Integrative Systems Ecology, 3. Organismal Biology.} \\
\hline \% Upper Division Distribution Course & 4 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Upper Division Elective OR LSC 484: Internship & 3 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}
- Students must select a minimum of one lecture or lecture/lab combined course from each of the three distribution areas: 1 . Cellular, Molecular and Physiological Biology, 2. Integrative Systems Ecology, and 3. Organismal Biology.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline \multirow[t]{2}{*}{Cellular, Molecular and Physiological Biology Distribution Course List} & \multirow[t]{2}{*}{Integrative Systems Ecology Distribution Course List} & Organismal Biology Distribution Course List \\
\hline & & \multirow[t]{2}{*}{BIO 331: Animal Behavior} \\
\hline \multirow[t]{3}{*}{BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory} & BIO 345: Evolution & \\
\hline & & \multirow[t]{2}{*}{BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory} \\
\hline & BIO 422: Ecosystem Ecology & \\
\hline \multirow[t]{2}{*}{BIO 431: Genes, Development, and Evolution (L)} & ENV 410: Soil Science & BIO 370: Vertebrate Zoology \\
\hline & LSC 362: The Human Environment & BIO 385: Comparative Invertebrate Zoology \\
\hline \multirow[t]{2}{*}{BIO 443: Applied Molecular Genetics and Genomics AND LSC 447: Molecular Genetics Laboratory} & PLB 300: Plant Diversity and Evolution (L or & BIO 474: Herpetology \\
\hline & S & \multirow[t]{2}{*}{MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory} \\
\hline \multirow[t]{2}{*}{PTX 301: Basics of Pharmacology and Toxicology} & & \\
\hline & & PLB 302: Plants and Civilization \\
\hline \multirow[t]{3}{*}{PTX 432: Fundamentals of Pharmacology or LSC 432: Fundamentals of Pharmacology} & & PLB 308: Plant Physiology \\
\hline & & \multirow[b]{2}{*}{PLB 310: The Flora of Arizona} \\
\hline & & \\
\hline
\end{tabular}

Upper Division Related Area Electives

BIO Elective
ENV Elective

FOR Elective

LSC Elective

MIC Elective

PLB Elective

PTX Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASLSCPBS
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-15 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline BIO 181: General Biology I (SQ) & 4 & C \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 210: Brief Calculus (MA) OR STP 226: Elements of Statistics (CS) & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline Term hours & 15 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- Students considering medical school, graduate school, or research are encouraged to enroll in MAT 270 (and 271 the following semester) in place of MAT 210 so that they have a full year of calculus. This may require more than 120 hours to complete the degree.
- IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4. BIO 182: General Biology II (SG) & 4 & C & \multirow[b]{3}{*}{- Students taking MAT 270 AND MAT 271 in place of MAT 210 still must complete a Statistics course. Students wishing to take STP 226 can take MAT 271 in place of STP 226 in term 2, and then take STP 226 in a later term.} \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) OR STP 226: Elements of Statistics (CS) & 3 & C & \multirow[t]{4}{*}{- Students considering medical school, graduate school, or research are encouraged to enroll in STP 280 (and 281 the following semester) in place of STP 226 so that they have a full year of statistics. Note that MAT 270 and 271 are pre-reqs for STP 280 and 281 respectively. This may require more than 120 hours to complete the degree.} \\
\hline Elective & 1 & & \\
\hline \multicolumn{3}{|l|}{(4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & 4 & C & \multirow[t]{6}{*}{- Develop your research skills.} \\
\hline BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I & 4 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline 4 Complete CHM 113, CHM 116 course(s). & & & \\
\hline \begin{tabular}{l}
Complete First-Year Composition requirement. \\
Academic Catal
\end{tabular} & ive 2018 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{(1) Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{Complete BIO 181, BIO 182 course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{\text {4- }}\) & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
PHY 112: General Physics (SQ) AND PHY 114: General Physics \\
Laboratory (SQ)
\end{tabular}} & \multirow[t]{5}{*}{- Explore an internship or IGLE international experience.} \\
\hline BIO 202: Human Anatomy and Physiology II (SG) & 4 & C & \\
\hline CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II & 4 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory & 4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline LSC 362: The Human Environment & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 676-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory & 4 & C & \multirow[t]{6}{*}{- Use Handshake to research employment opportunities.} \\
\hline BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory & 4 & C & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & \multirow[t]{2}{*}{3} & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 790-104 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory & 4 & C & \\
\hline PTX 432: Fundamentals of Pharmacology OR LSC 432: Fundamentals of Pharmacology & 3 & C & \\
\hline MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory & 4 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}
Term 8 104-120 Credit Hours Necessary course signified by
PTX 475: Principles of Toxicology OR LSC 475: Principles of
Toxicology Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
```

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

```

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Biotechnology and Bioenterprise, BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASBITEBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) BIO 181: General Biology I (SQ) & 4 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- Focus Area determines MAT course: Biostatistics Focus Area complete MAT 270; Biotechnology or BioentrepreneurshipFocus Area complete MAT 210. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement. \\
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101. \\
- General Electives credit hours will be adjusted depending on focus area chosen. Discuss with your advisor. \\
- Select your career focus area and play me3@ASU.
\end{tabular}} \\
\hline MAT 210: Brief Calculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) & 3-4 & C & \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & \\
\hline Term hours subtotal: & 15-16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-29 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline BIO 182: General Biology II (SG) & 4 & C & \multirow[t]{5}{*}{- Focus Area determines STP/MAT course: Biostatistics Focus Area complete MAT 271; Biotechnology or BioentrepreneurshipFocus Area complete STP 226.} \\
\hline STP 226: Elements of Statistics (CS) OR MAT 271: Calculus with Analytic Geometry II (MA) & 3-4 & C & \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \begin{tabular}{l}
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). \\
Term hours subtotal:
\end{tabular} & \[
14-15
\] & .................... & \\
\hline Term 3-43 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline 4. CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I & 4 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Bioentrepreneurship Focus Area complete TMC 110; other Focus Areas may complete a general elective. \\
- Develop your research skills.
\end{tabular}} \\
\hline LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory & 4 & C & \\
\hline TMC 110: Understanding the Enterprise & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline \multicolumn{3}{|l|}{4 Complete CHM 113 AND CHM 116 course(s).} & \\
\hline \multicolumn{3}{|l|}{Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|r|}{Academic Catalog Archive 2018-2019} & 3016 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-61 Credit Hours Critical course signified by \({ }^{\text {4- }}\) & Hours & Minimum Grade & Notes \\
\hline 4. CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II & 4 & C & \multirow[t]{6}{*}{- Explore an internship or IGLE international experience.} \\
\hline 4. Focus Area Course & 4-3 & C & \\
\hline PHY 101: Introduction to Physics (SQ) & 4 & C & \\
\hline TEM 230: Creativity and Business Innovation & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Term hours subtotal: & 18-17 & & \\
\hline Term 561-74 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory & 4 & C & \multirow[t]{5}{*}{- Develop your professional online presence.} \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 13 & & \\
\hline Term 674-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Focus Area Course & 4-3 & C & \multirow{6}{*}{\begin{tabular}{l}
- General Electives credit hours will be adjusted depending on chosen Focus Area. Discuss with your advisor. \\
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Use Handshake to research employment opportunities.
\end{tabular}} \\
\hline Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 16-15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory & 4 & C & \multirow[t]{6}{*}{- Focus Area Course: Biostatistics and Bioentrepreneurship Focus Area have remaining credits hours to take. General Electives credit hours will be adjusted. Discuss with your advisor.} \\
\hline Focus Area Course & 2-0 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15-13 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline § LSC 484: Internship & 3 & C & \\
\hline
\end{tabular}
Upper Division Language and Cultures: Requirement satisfied through
the following:
* Completion of six semester hours of upper-division courses that have a
Global Awareness (G) or Cultural Diversity (C) designation, in addition
to the courses used to meet the University General Studies requirements
or four (4) sequential semesters of one foreign language or two (2)
semesters of a current computer language. Adjustment to upper division
hours is required if lower division courses are used.
\(\ldots-)_{\text {Uper }}\) Uivision Humanities, Arts and Design (HU) OR Upper Division
Social-Behavioral Sciences (SB)
- Students select one Focus Area and complete all courses listed for that Focus Area. General Electives credits hour will be adjusted depending on chosen Focus Area. Please consult your advisor.

Hide Course List(s)/Track Group(s)
\begin{tabular}{lll}
\hline Biostatistics Focus Area & Bioentrepreneurship Focus Area & Biotechnology Focus Area \\
\hline \begin{tabular}{l} 
STP 280: Probability and Statistics for \\
Researchers (CS)
\end{tabular} & TMC 310: Promotion of the Enterprise & BCH 371: Modern Concepts in Biochemistry \\
\hline STP 281: Statistical Analysis for Researchers & TMC 320: Funding the Enterprise & AND BCH 372: Modern Concepts in \\
\hline STP 310: Design and Analysis of Experiments & & TMC 330: Leading the Enterprise
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Communication, BA
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus, ASU@Lake Havasu
ASCOMMBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 COM 100: Introduction to Human Communication (SB) & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement. \\
- IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 13 & & \\
\hline
\end{tabular}



\section*{Complete 2 courses: \\ COM 4** Elective}

6
C

Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Complete 2 courses:
Elective
3 C
\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
COM 4** Elective
\end{tabular} & 6 & C & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Elective
\end{tabular} & 9 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
- Students can take up to 6 credit hours in the Major Electives from courses designated as COM Experiential Electives. An additional 6 credit hours of Experiential Electives may be taken outside the major, for a total of no more than 12 credit hours of Experiential Electives to be used towards graduation. No more than 6 credit hours of COM 498 may be used to meet major requirements. Please see an academic advisor.

Hide Course List(s)/Track Group(s)
COM Experiential Electives - Maximum 6
credit hours towards major
COM 294: Introduction to Communication and Mentoring

COM 314: Inner-City Families: The Cycle of Poverty

COM 382: Classroom Apprenticeship
COM 383: Communication and Mentoring
COM 483: Advanced Communication and Mentoring

COM 484: Internship
COM 499: Individualized Instruction

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

\section*{2018-2019 Major Map}

\section*{Communication, BS}

School/College: New College of Interdisciplinary Arts and Sciences Location: West campus, ASU@Lake Havasu
ASCOMMBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline 4. COM 100: Introduction to Human Communication (SB) & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- Student should consult an advisor on (MA) course selection to ensure pre-requisites for selected Statistics/Research requirement are met. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement. \\
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 142: College Mathematics (MA) OR Mathematics (MA) & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 13 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 213-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4. COM 225: Public Speaking (L) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{(1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) COM 207: Introduction to Communication Inquiry & 3 & C & - Student should select PSY 101 to meet (SB) \\
\hline COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions & 3 & C & requirement if interested in taking PSY 230 to satisfy 3 credit hours of \\
\hline Cultural Diversity in the U.S. (C) & 3 & & Statistics/Research requirement. \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline \multicolumn{4}{|l|}{(1) Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) & 3 & C & \multirow[t]{5}{*}{- Explore an internship, study abroad, or IGLE experience.} \\
\hline Historical Awareness (H) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Complete 2 courses: Elective & 6 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- IAS 300 (3 credit hours) is required for all transfer students and also fulfills the Upper Division SB requirement. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline PSY 330: Statistical Methods (CS) OR SBS 304: Social Statistics I (CS) OR STP 420: Introductory Applied Statistics (CS) & 3 & C & \\
\hline COM \(2 * *\) Elective OR COM 3 ** Elective & 3 & C & \\
\hline COM 3** Elective & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline COM 308: Advanced Research Methods in Communication (L) OR COM 309: Rhetorical, Interpretive, and Critical Methods in Communication & 3 & C & \multirow[t]{6}{*}{- Use Handshake to research employment opportunities.} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
COM 3** Elective OR COM 4** Elective
\end{tabular} & 6 & C & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular}} & \\
\hline Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
\(\leadsto\) Complete 2 courses: \\
COM 4** Elective
\end{tabular} & 6 & C & \\
\hline
\end{tabular}

Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Conflict Resolution, BA}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASCNRBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline 4. COM 100: Introduction to Human Communication (SB) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline NEW 101: The ASU New College Experience & 1 & & \\
\hline Mathematics (MA) & 3 & C & First-Year Seminar required of all freshman \\
\hline Elective & 3 & & students. NEW 101 satisfies this requirement. \\
\hline Term hours subtotal: & 13 & & \begin{tabular}{l}
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 213-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) Conflict Resolution Focus Area Course & 3 & C & \multirow[t]{5}{*}{- Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks.} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{(4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{(6)}\) & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline (4) Conflict Resolution Focus Area Course & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks. \\
- Develop your skills.
\end{tabular}} \\
\hline Historical Awareness (H) & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & C & \\
\hline \multicolumn{4}{|l|}{(4) Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{(4) Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{16} & \\
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4. PAX 230: Introduction to Peace Studies (G) OR JHR 100: Introduction to Social Justice and Human Rights (SB \& G) & 3 & C & \multirow[t]{2}{*}{- Conflict Resolution Program Elective: choose a course from any track area.} \\
\hline Conflict Resolution Program Elective & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Humanities, Arts and Design (HU) & 3 & C & \multirow[t]{4}{*}{- Explore an internship, study abroad, or an IGLE experience.} \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S.
(C) & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline COM 312: Communication, Conflict, and Negotiation & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks. \\
- IAS 300 ( 3 credit hours) is required for all transfer students. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB) & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 6-75-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline COM 310: Relational Communication & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks. \\
- Conflict Resolution Program Elective: choose a course from any track area. \\
- Research employment opportunities.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Conflict Resolution Focus Area Course
\end{tabular} & 6 & C & \\
\hline Conflict Resolution Program Elective & 3 & C & \\
\hline Upper Division Language and Cultures: Requirement satisfied through the following: & & & \\
\hline * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. & 3 & C & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Conflict Resolution Focus Area Course
\end{tabular} & 6 & C & \multirow[t]{5}{*}{- Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks.} \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline
\end{tabular}

- Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|}
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
Communication and Ethics \\
COM 230: Small Group Communication (SB)
\end{tabular}} \\
\hline \\
\hline COM 414: Crisis Communication \\
\hline COM 415: Risk Communication \\
\hline COM 430: Leadership in Group Communication \\
\hline ENG 456: Studies in Forensic Linguistics or PAX 456: Studies in Forensic Linguistics \\
\hline IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU) \\
\hline PHI 306: Applied Ethics (HU) \\
\hline PHI 360: Business and Professional Ethics (HU) \\
\hline Politics and Social Problems \\
\hline ENG 456: Studies in Forensic Linguistics or PAX 456: Studies in Forensic Linguistics \\
\hline ETH 380: Race, Gender, and Class (SB \& C) \\
\hline ETH 449: Hate Speech, Manifestos, and Radical Writings (SB \& C) \\
\hline POS 230: Current Issues in National Politics (L or SB) \\
\hline POS 470: Law and the Political Order (SB) \\
\hline POS 475: Morality and Politics \\
\hline SOC 241: Modern Social Problems (SB) \\
\hline SOC 270: Racial and Ethnic Relations (SB \& C) \\
\hline SOC 352: Social Change (SB \& G \& H) \\
\hline
\end{tabular}
- Conflict Resolution focus area: students must complete 12 credit hours from each of two different tracks.

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ Total College Residency Hrs: 12 minimum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

English, BA
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus

\section*{ASENGBA}
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Term hours subtot & 14 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 ( 3 credits) is required for all transfer students in place of NEW 101.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year Composition \\
OR ENG 105: Advanced First-Year Composition OR ENG 107: \\
First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-45 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4 ENG 200: Critical Reading and Writing About Literature (L or HU) & 3 & C & \multirow[t]{5}{*}{- Develop your skills.} \\
\hline ENG Elective & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Global Awareness (G) & 3 & & \\
\hline Elective & 3 & & \\
\hline 1 Complete First-Year Composition requirement. &  & \(-\) & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline  & 6
\[
3
\] & C & - Explore an internship, study abroad, or IGLE experience. \\
\hline
\end{tabular}
Humanities, Arts and Design (HU)
Term 5 60-75 Credit Hours Necessary course signified by
Literacy and Critical Inquiry (L)
Upper Division Identities, Communities, \& Social Practices upper division hours is required if lower division courses are used.

Term hours subtotal: 15
\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline T & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- An ENG upper division special topics course will satisfy the Transnational, Linguistic, \& Textual Circulation requirement if the course topic focuses explicitly upon issues of transnationalism \& textual circulation; please see your academic advisor before enrollment. \\
- Use Handshake to research employment opportunities.
\end{tabular}} \\
\hline Transnational, Linguistic, \& Textual Circulation & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
ENG Upper Division Elective
\end{tabular} & 6 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Literature \& Culture, Pre-1860 OR Upper Division Literature \& Culture, Post-1860 & 3 & C & \\
\hline ENG Upper Division Elective & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ENG Upper Division Elective & 3 & C \\
\hline Complete 2 courses: & & \multirow[b]{2}{*}{6} \\
\hline Upper Division Elective & 6 & \\
\hline Elective & 3 & \\
\hline & Term hours subtotal: 15 & \\
\hline
\end{tabular}
- Students must complete two of the courses in the major at the 400-level.
Hide Course List(s)/Track Group(s)
Identities, Communities, \& Social Practices \(\quad\) Literature \& Culture, Pre-1860 \(\quad\) Literature \& Culture, Post-1860
\begin{tabular}{|c|c|}
\hline ENG 379: Travel Writing (L) & \\
\hline ENG 387: Intermediate Creative Writing & America ((L or HU) \& C) \\
\hline Workshop in Poetry: Form, Theory, and Practice & ENG 379: Travel Writing (L) \\
\hline ENG 388: Intermediate Creative Writing & ENG 394: Special Topics \\
\hline Workshop in Fiction: Form, Theory, and Practice & ENG 413: History of English Language (HU) \\
\hline ENG 410: Writing for Publication & ENG 462: Africana Literature (HU \& G) \\
\hline ENG 457: Studies in American Poetry (HU) & ENG 494: Reading Englands Literary Landscapes 1 \\
\hline ENG 490: Literary Forms: Theory and Practice in Poetry & ENG 494: Reading Englands Literary Landscapes 2 \\
\hline & ENG 494: Special Topics \\
\hline & NEW 300: International Cities \\
\hline & SAO 394: Special Topics \\
\hline & SAO 494: International Program Courses \\
\hline
\end{tabular}

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ Total College Residency Hrs: 12 minimum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASENGSEBA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-14 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\begin{tabular}{|c|c|c|}
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) ( SPE 222 recommended) & 3 & \\
\hline
\end{tabular}

Term hours subtotal:
14
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 ( 3 credits) is required for all transfer students in place of NEW 101.
- By the end of term 4, a minimum 2.5 cumulative GPA is required in order to progress into the iTeachAZ Program.
- Select your career interest area and play me3@ASU.


Milestone: Submit intent to progress form online.
Term hours subtotal: 15

\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
Complete 2 courses: \\
ENG Upper Division Elective
\end{tabular} & 6 & C \\
\hline Identities, Communities, \& Social Practices & 3 & C \\
\hline Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB) & 3 & \\
\hline
\end{tabular}

Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies 3

C requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

\begin{tabular}{|c|c|c|}
\hline Term 674-90 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline 3 SED 398: Clinical Experience & 1 & C \\
\hline 2 Literature and Culture Post 1860 & 3 & C \\
\hline Theories and Practices of Writing & 3 & C \\
\hline Transnational, Linguistic, \& Textual Circulation & 3 & C \\
\hline
\end{tabular}

Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies
- An ENG upper division special topics course will satisfy the Identities, Communities, and Social Practices requirement if the course topic focuses explicitly upon issues of identities, communities, and social practice. Please see your academic advisor before enrollment.
- IAS 300 (3 credit hours) is required for all transfer students.
- Explore an IGLE international experience.
- An ENG upper division special topics course will satisfy the Transnational, Linguistic, \& Textual Circulation requirement if the course topic focuses explicitly upon issues of transnationalism \& textual circulation. Please see your academic advisor before enrollment.
- All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.
- If a clinical experience course is failed, the student must appeal to Mary Lou Fulton Teachers College.
\begin{tabular}{|c|c|c|c|}
\hline Elective & \multicolumn{2}{|l|}{3} & \multirow[t]{4}{*}{- Use Handshake to research employment opportunities.} \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline \ Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 790-106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BLE 407: SEI for Secondary Students (L) & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching. \\
- RDG 323, SED 322, TEL 311, SED 496 are offered in the fall semester at the West campus. \\
- If a clinical experience course is failed, the student must appeal to Mary Lou Fulton Teachers College.
\end{tabular}} \\
\hline E RDG 323: Literacy Processes in Content Areas & 3 & C & \\
\hline SED 322: Classroom Leadership in Secondary Schools (L) & 3 & C & \\
\hline 3 SED 403: Secondary Principles, Curriculum and Methods & 3 & C & \\
\hline SED 496: Clinical Experience III & 1 & C & \\
\hline 1 TEL 311: Instruction and Management in the Inclusive Classroom & 3 & C & \\
\hline \multicolumn{3}{|l|}{§ Minimum 2.50 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 8 106-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SEED 478: Student Teaching: Secondary Education (Grades 6-12) & 11-12 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- SPE 417 is offered in the spring semester at the West campus. \\
- If a clinical experience course is failed, the student must appeal to Mary Lou Fulton Teachers College.
\end{tabular}} \\
\hline SPE 417: Inclusion Practices at the Secondary Level & 3 & C & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 14-15} & \\
\hline
\end{tabular}
- - Students must complete two of the courses in the major at the 400-level.
Hide Course List(s)/Track Group(s)
Identities, Communities, \& Social Practices
ENG 312: English in its Social Setting (L or
HU or SB)
ENG 221: Survey of English Literature (HU)
ENG 353: African American Literature:
Beginnings through the Harlem Renaissance
((L or HU) \& C)
ENG 456: Studies in Forensic Linguistics
ENG 421: Studies in Shakespeare (L or HU)
ENG 460: Ethnic Women Writers
ENG 461: Studies in Women and Literature
(HU)
ENG 423: Renaissance Drama (L or HU)
ENG 463: African American Literature

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Environmental Science, BA}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus, ASU@Lake Havasu
ASENVBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 BIO 181: General Biology I (SQ) & 4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement into mathematics courses. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement. \\
- IAS 300 is required in place of NEW 101 for transfer students. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 170: Precalculus (MA) & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-29 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ¢. BIO 182: General Biology II (SG) & 4 & C & \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline STP 226: Elements of Statistics (CS) & 3 & C & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 3-43 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENV 201: Fundamentals of Environmental Science 3
PHY 101: Introduction to Physics (SQ) OR GLG 108: Water Planet
4 (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND 4 C GLG 103: Introduction to Geology I-Laboratory (SQ)

CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235:
4

3
CComplete First-Year Composition requirement.
1. Complete Mathematics (MA) requirement.
- PHY 101 is required. Student may choose either GLG 108 or GLG 101 and GLG 103.
- Develop your research skills.
- PHY 101 is required. Student may choose either GLG 108 or GLG 101 and GLG 103.
\begin{tabular}{|c|c|c|}
\hline ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline GPH 210: Society and Environment (G) & 3 & C \\
\hline SOS 111: Sustainable Cities ((HU or SB) \& G) & 3 & C \\
\hline Social Science Elective & 3 & C \\
\hline
\end{tabular}
- Explore an internship or IGLE international experience.
\begin{tabular}{|c|c|c|}
\hline Term 559-74 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline CHM 302: Environmental Chemistry & 3 & C \\
\hline LSC 347: Fundamentals of Genetics & 3 & C \\
\hline Social Science Elective & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) AND Upper Division Ethics/Humanities Elective & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB) & 3 & C \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101.
- Completion of Upper Division Ethics Electives in Term 5 and 8 will satisfy HU requirements.
- Develop your professional online presence

\begin{tabular}{|c|c|c|c|}
\hline Term 791-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ENV 345: Spatial Analysis in the Environmental Sciences & 3 & C & \multirow[b]{3}{*}{- If student chooses a 4 credit course for the upper division science elective requirement, 3 credits of general electives will need to be completed.} \\
\hline Upper Division Science Elective & 3-4 & C & \\
\hline Social Science Elective & 3 & C & \\
\hline Upper Division Cultural Diversity in the U.S. (C) OR Upper Division Global Awareness (G) & 3 & C & \begin{tabular}{l}
completed. \\
- Completion of the Upper Division Cultural Diversity in the U.S. (C) or Upper Division
\end{tabular} \\
\hline Elective & 2-3 & & Global Awareness (G) AND SOC 331 in \\
\hline Term hours subtotal: & 14-16 & & Term 6 satisfies the New College Language and Cultures requirement. \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 8 \text { 105-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|}
\hline Upper Division Ethics/Humanities Electives & Upper Division Science Electives & Social Science Electives \\
\hline \multirow[t]{2}{*}{IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)} & BIO 331: Animal Behavior & ABS 381: Natural Resources Policy \\
\hline & BIO 360: Animal Physiology & \multirow[t]{2}{*}{ABS 479: Ecosystem Management and Planning (L)} \\
\hline \multirow[t]{2}{*}{IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)} & BIO 370: Vertebrate Zoology & \\
\hline & \multirow[b]{2}{*}{BIO 385: Comparative Invertebrate Zoology} & ASB 272: Environmental Justice (SB) \\
\hline \multirow[t]{2}{*}{IAS 407: Environmental Philosophy and Policy (L or HU) or PHI 407: Environmental Philosophy and Policy (L or HU)} & & \multirow[b]{2}{*}{ASB 326: Human Impacts on Ancient Environments (SB \& H)} \\
\hline & BIO 410: Techniques in Conservation Biology and Ecology (L) & \\
\hline IAS 409: Eco-Community Ethics (HU) or PHI 409: Eco-Community Ethics (HU) & BIO 412: Conservation in Practice & ASB 375: Humans and the Environment: What's the Connection? ((L or SB) \& G) \\
\hline \multirow[t]{20}{*}{PHI 360: Business and Professional Ethics (HU)} & BIO 422: Ecosystem Ecology & \multirow[t]{2}{*}{COM 312: Communication, Conflict, and Negotiation} \\
\hline & BIO 426: Limnology (L) & \\
\hline & BIO 474: Herpetology & COM 430: Leadership in Group Communication \\
\hline & BIO 499: Individualized Instruction & ECN 211: Macroeconomic Principles (SB) \\
\hline & ENV 388: Research Fundamentals for the Natural Sciences (L) & ERM 428: International Environmental Management (G) \\
\hline & ENV 410: Soil Science & HST 345: Environmental History (L) \\
\hline & ENV 484: Internship & \multirow[t]{2}{*}{OGL 200: Introduction to Organizational Leadership (SB)} \\
\hline & ENV 492: Honors Directed Study & \\
\hline & ENV 499: Individualized Instruction & OGL 300: Theory and Practice of Leadership \\
\hline & LSC 434: Marine Ecology & \multirow[t]{2}{*}{OGL 355: Leading Organizational Innovation and Change (L)} \\
\hline & LSC 484: Internship & \\
\hline & LSC 499: Individualized Instruction & POS 110: American Government and Politics (SB) \\
\hline & PLB 300: Plant Diversity and Evolution (L or SG) & POS 331: Public Opinion (SB) \\
\hline & \multirow[t]{2}{*}{PLB 302: Plants and Civilization} & POS 426: Elements of Public Policy (SB) \\
\hline & & \multirow[t]{2}{*}{PUP 301: Introduction to Urban Planning (L)} \\
\hline & PLB 308: Plant Physiology & \\
\hline & \multirow[t]{4}{*}{PLB 310: The Flora of Arizona} & SOC 333: Population (SB \& G) \\
\hline & & SOS 230: Professional Skills in Sustainability \\
\hline & & SOS 311: Future Thinking and Strategies \\
\hline & & SOS 385: Business and Sustainability I \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ - Humanities, Arts and Design (HU) \\ Total Community College Hrs: 64 maximum \\ - Social-Behavioral Sciences (SB) \\ Total College Residency Hrs: 12 minimum \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus, ASU@Lake Havasu
ASENVBS
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-15 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline BIO 181: General Biology I (SQ) & 4 & C \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline \multicolumn{3}{|l|}{ENG 107 or ENG 108: First-Year Composition} \\
\hline MAT 170: Precalculus (MA) OR MAT 210: Brief Calculuen (MA) & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar is required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 (3 credit hours) is required for transfer students in place of NEW 101.
- Either MAT 170 or MAT 210 is acceptable to meet the requirement. MAT 210 is recommended for students intending to pursue graduate degrees.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-29 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline 4. BIO 182: General Biology II (SG) & 4 & C & \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline STP 226: Elements of Statistics (CS) & 3 & C & \\
\hline 1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & \[
14
\] & ..................... & \\
\hline Term 3 29-43 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline PHY 101: Introduction to Physics (SQ) OR GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ) & 4 & C & - PHY 101 is required. Student may choose either GLG 108 or GLG 101+GLG 103. \\
\hline CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I & 4 & C & \begin{tabular}{l}
lecture+lab is required, either CHM \(231+235\) or CHM \(233+237\). CHM \(233+237\) \\
should be taken by students intending to take electives from the
\end{tabular} \\
\hline ENV 201: Fundamentals of Environmental Science & 3 & C & Chemistry/Toxicology focus area, as they \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S.
(C) & 3 & & \begin{tabular}{l}
are prerequisites required for many courses in that focus area. \\
- Develop your research skills.
\end{tabular} \\
\hline \multicolumn{4}{|l|}{4 Complete First-Year Composition requirement.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4 43-57 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline PHY 101: Introduction to Physics (SQ) OR GLG 108: Water Planet (SQ) or GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ) & 4 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- PHY 101 is required. Student may choose either GLG 108 or GLG 101+GLG 103. \\
- The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group. \\
- Students must complete a total of at least 11 hours of Track Focus Elective Courses and at least 3 hours of Upper Division Track Focus Elective Courses. \\
- Explore an internship or IGLE international experience.
\end{tabular}} \\
\hline SOS 111: Sustainable Cities ((HU or SB) \& G) & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & & \\
\hline Track Focus Elective Course & 4-3 & C & \\
\hline Term hours subtotal: & 14-13 & & \\
\hline
\end{tabular}
Term 557 - 72 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|cc|}
\hline Term 7 87-104 Credit Hours Necessary course signified by & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ENV 410: Soil Science & 4 & C & \\
\hline Academic Catalog Archive \(2018-2019\) & 3045 & \\
\hline
\end{tabular}

Term 8 104-120 Credit Hours Necessary course signified by
Hours
Minimum
Grade
- The electives listed at the bottom are grouped by focus areas. Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.
- Students can take electives from any of the focus areas. Some students may choose to specialize in a particular area, and therefore take all of their electives from within one group. Other students may choose a broad approach and take electives from each group.

Hide Course List(s)/Track Group(s)
Business/Leadership Track
COM 430: Leadership in Group
Communication
OGL 200: Introduction to Organizational
Leadership (SB)
OGL 240: Introduction to Project
Management
OGL 300: Theory and Practice of Leadership
OGL 355: Leading Organizational Innovation
and Change (L)
SOS 230: Professional Skills in Sustainability
SOS 311: Future Thinking and Strategies
SOS 385: Business and Sustainability I
Chemistry/Toxicology Track
BCH 371: Modern Concepts in Biochemistry
AND BCH 372: Modern Concepts in
Biochemistry Laboratory
BIO 353: Cell Biology
BIO 443: Applied Molecular Genetics and
Genomics
CHM 234: General Organic Chemistry II
AND CHM 238: General Organic Chemistry
Laboratory II
CHM 303: Environmental Chemistry
Laboratory (L)
LSC 425: Analytical Chemistry for Life
Sciences
LSC 426: Analytical Chemistry for Life
Sciences Lab

\section*{Ecosystem/Global Change Track}

BIO 323: Ecosystem Restoration and Management

BIO 412: Conservation in Practice
BIO 415: Biometry (CS)
BIO 421: Landscape Ecology BIO 426: Limnology (L)

ENV 388: Research Fundamentals for the Natural Sciences (L) or LSC 388: Research Fundamentals for the Natural Sciences (L)

LSC 362: The Human Environment
LSC 434: Marine Ecology
MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Exploratory Applied Computing, Mathematics and Technology
School/College: New College of Interdisciplinary: Arts and Sciences.
Location: West campus.
ASACMTEXPL


\section*{Notes:}
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

\author{
Total Hours: 47 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ Total College Residency Hrs: 12 minimum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Exploratory Health and Life Sciences}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASHSCIEXPL


Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 3 33-49 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & C \\
\hline STP 226: Elements of Statistics (CS) OR STP 280: Probability and Statistics for Researchers (CS) & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Literacy and Critical Inquiry (L) AND Historical Awareness (H) & 3 & \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{3}{|l|}{Milestone: Selection of a major.} \\
\hline
\end{tabular}
- CHM 113 is recommended for the natural science requirement.
- Explore an internship.

\section*{Notes:}
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

\section*{Total Hours: 49}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Exploratory Humanities, Fine Arts and Design}

School/College: New College of Interdisciplinary Arts and Sciences Location: West campus
ASHUFAEXPL
\begin{tabular}{|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline (1) PHI 101: Introduction to Philosophy (HU) & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You & 3 & C \\
\hline Mathematics (MA) & 3 & \\
\hline Term hours subto & 13 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Math Placement Assessment score determines placement into Mathematics course.
- ASU 101 or College specific equivalent First Year Seminar required of all freshmen students. NEW 101 satisfies this requirement.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 2 13-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Develop your skills. \\
\hline NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3-45 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1 ENG 200: Critical Reading and Writing About Literature (L or HU) & 3 & C & - Explore an internship. \\
\hline IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU) & 3 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S.
(C) & 3 & C & \\
\hline \multicolumn{3}{|l|}{\%. Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{Milestone: Selection of a major.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}

\section*{Notes:}
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

\section*{Total Hours: 45}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Exploratory Social and Behavioral Sciences}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASSBSEXPL
\begin{tabular}{|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline 4. COM 100: Introduction to Human Communication (SB) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You & 3 & C \\
\hline Mathematics (MA) & 3 & C \\
\hline Term hours subtotal: & 13 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Math Placement Assessment score determines placement into mathematics course.
- ASU 101 or College specific equivalent First Year Seminar required of all freshmen students. NEW 101 satisfies this requirement.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 213-29 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Develop your skills. \\
\hline NEW 210: From Passion to Practice: Charting Your Path OR NEW 225: Building a Better You & 3 & C & \\
\hline PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 29-45 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 COM 225: Public Speaking (L) & 3 & C & - Explore an internship. \\
\hline 4. Humanities, Arts and Design (HU) & 3 & & \\
\hline ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{Milestone: Selection of a major.} & \\
\hline
\end{tabular}

\section*{Notes:}
- Students considering ASU majors requiring a second language may consult with an academic advisor to consider a second language course for any term.

\section*{Total Hours: 45}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Forensic Science, BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASFOREBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline (1) BIO 181: General Biology I (SQ) & 4 & C \\
\hline (4.) CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline FOR 191: New College Freshman Seminar & 1 & \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. FOR 191 satisfies this requirement.
- IAS 300 ( 3 credit hours) is required for all transfer students in place of FOR 191.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minimum Grade & Notes \\
\hline ¢. BIO 182: General Biology II (SG) & 4 & C & \\
\hline 1. CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline
\end{tabular}

Term hours subtotal: 14
\begin{tabular}{|c|c|c|c|}
\hline Term 3-44 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1. CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I & 4 & C & \multirow[t]{7}{*}{- Develop your research skills.} \\
\hline CRJ 100: Introduction to Criminal Justice (SB) & 3 & C & \\
\hline FOR 286: Principles of Forensic Science & 4 & C & \\
\hline PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & 4 & C & \\
\hline \multicolumn{3}{|l|}{4 Complete First-Year Composition requirement.} & \\
\hline 4 Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 444-58 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II & 4 & C & \multirow[t]{3}{*}{- Explore an internship, study abroad, or IGLE experience.} \\
\hline FOR 290: Historical Perspectives of Forensic Science & 3 & C & \\
\hline PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ) & 4 & C & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & 3056 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline STP 226: Elements of Statistics (CS) & 3 & C & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 5-75-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory & 4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory & 4 & C & \\
\hline ENG 301: Writing for the Professions (L) OR ENG 311: Persuasive Writing (L) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline FOR 210: Sociology of Murder (SB) & 3 & C & \\
\hline FOR 402: Forensic Biology & 3 & C & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 675-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline F FOR 370: Modern Practices in Forensic Science & 3 & C & \multirow[t]{7}{*}{- Use Handshake to research employment opportunities.} \\
\hline BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory & 4 & C & \\
\hline FOR 400: Comparative Forensics & 3 & C & \\
\hline FOR 406: Moral Dilemmas (L or HU) & 3 & C & \\
\hline FOR 454: History of Genocide (G \& H) & 3 & C & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 791-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline FOR 425: Analytical Chemistry for Life Sciences AND FOR 426: Analytical Chemistry for Life Sciences Lab & 5 & C & \multirow[t]{5}{*}{Students in the Forensic Science program must participate in a culminating, senior-level experience, choosing three credit hours from either FOR 485, FOR 484, FOR 493 or FOR 499. Each of these courses require prior faculty approval and mentorship. FOR 499 must consist of an approved, faculty-mentored research project if it is to be used as the culminating, senior-level experience. See an academic advisor for questions.} \\
\hline FOR 410: Professional Practices in Forensic Science (L) & 3 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & & Minimum Grade & Notes \\
\hline
\end{tabular}

FOR 485: Forensic Science Capstone OR FOR 484: Internship OR FOR 493: Honors Thesis (L) OR FOR 499: Individualized Instruction
FOR 401: Forensic Toxicology \(\quad 3\)
FOR Upper Division Elective \(\quad 3 \quad\) C Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S.
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Term hours subtotal:
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
Forensic Science Electives \\
FOR 377: Forensic Analytical Chemistry \\
Laboratory \\
FOR 380: Analysis of Nonhuman Forensic \\
DNA Evidence \\
FOR 394: Special Topics \\
FOR 447: Molecular Genetics Laboratory \\
FOR 475: Principles of Toxicology \\
FOR 480: Advanced Topics in Human \\
Forensic DNA Typing \\
FOR 484: Internship \\
FOR 486: Peer Mentoring in the Forensic \\
Sciences \\
FOR 492: Honors Directed Study \\
FOR 493: Honors Thesis (L) \\
FOR 494: Special Topics \\
FOR 497: Honors Colloquium \\
FOR 499: Individualized Instruction \\
\hline FO \\
FO \\
FO
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

History, BA
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASHISBA
- Students must complete 12 credit hours of upper division course work in New College to meet residency requirement.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline Two Semester Survey in U.S. or World History AND Historical Awareness (H) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \begin{tabular}{l}
first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular} \\
\hline MAT 142: College Mathematics (MA) & 3 & C & - ASU 101 or college-specific equivalent \\
\hline NEW 101: The ASU New College Experience & 1 & & First-Year Seminar required of all freshman \\
\hline Humanities, Arts and Design (HU) & 3 & & requirement. \\
\hline Elective & 3 & & - IAS 300 ( 3 credits) is required for all transfer \\
\hline Term hours subtotal: & 16 & & \begin{tabular}{l}
students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline Two Semester Survey in U.S. or World History AND Historical Awareness (H) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline 9. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Grade & Notes \\
\hline (1) Complete 2 courses: History Related Area Course & 6 & C & \multirow[t]{5}{*}{- Explore an internship, study abroad, or IGLE experience.} \\
\hline Global Awareness (G) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
HST Upper Division Elective \\
Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB)
\end{tabular} &  & C & \multirow[t]{2}{*}{\begin{tabular}{l}
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & \(a\) & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtota & al: \(\quad 15\) & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Non-US Non-European History Course & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- For Upper Division Non-US Non-European History Course, please see advisor for more information. \\
- Use Handshake to research employment opportunities.
\end{tabular}} \\
\hline \% History Related Area Course & 3 & C & \\
\hline HST Upper Division Elective & 3 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & - & C & \\
\hline Upper Division Elective & 3 & & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline Term hours subtotal & \(1: \quad 15\) & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division History Related Area Course
\end{tabular} & 6 & C & \multirow[t]{5}{*}{- Students must complete six hours of upper division HST course work prior to enrolling in HST 495.} \\
\hline Upper Division Non-US Non-European History Course & 3 & C & \\
\hline HST Upper Division Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline & & Minimum & \\
\hline
\end{tabular}
Term 8 108-120 Credit Hours Necessary course signified by
HST 495: Methods of Historical Inquiry (L) Hours
- Every History major must select two courses from one of the two survey tracks: U.S. or World History.
\begin{tabular}{|c|c|c|}
\hline Two Semester Survey in U.S. History & Two Semester Survey in World History & Non-US/Non-European History Courses \\
\hline HST 109: United States to 1865 ((HU or SB) \& H) & HST 100: Global History to 1500 (HU \& H \& G) & HST 305: Studies in Latin American History (SB \& H) \\
\hline \multirow[t]{5}{*}{HST 110: United States Since 1865 (SB \& H)} & \multirow[t]{2}{*}{HST 101: Global History Since 1500 (HU \& H \& G)} & HST 375: Colonial Latin America (SB \& H) \\
\hline & & HST 376: Modern Latin America (SB \& H) \\
\hline & & HST 430: The Ottoman Empire in the Classical Period \\
\hline & & HST 441: Latin America and the World Economy (L \& G \& H) \\
\hline & & HST 454: History of Genocide ( G \& H) \\
\hline
\end{tabular}
History Related Area Courses

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\author{
2018-2019 Major Map \\ History (Secondary Education), BA \\ School/College: New College of Interdisciplinary Arts and Sciences \\ Location: West campus \\ ASHISSEBA
}
- Students must complete 12 credit hours of upper division course work in New College to meet residency requirement.
Term 10 - 16 Credit Hours Critical course signified by
4. Two Semester Survey in U.S. or World History AND Historical
Awareness (H)
\begin{tabular}{|c|c|c|c|}
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Two Semester Survey in U.S. or World History AND Historical Awareness (H) & 3 & C & \\
\hline CIS 105: Computer Applications and Information Technology (CS) OR & & & \\
\hline EDT 180: Technology Literacy: Problem Solving using Digital & & & \\
\hline Technology Applications (CS) OR EDT 321: Computer Literacy: & 3 & C & \\
\hline Mobile Technologies and Your World (CS) OR & & & \\
\hline Computer/Statistics/Quantitative Applications (CS) & & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline 4 HST Elective & 3 & C & \\
\hline History Related Area Course & 3 & C & \\
\hline Social-Behavioral Sciences (SB) ( GCU 113 recommended) & 3 & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline
\end{tabular}
- Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.
Milestone: Complete online intent to progress form.
Milestone: Meet with Teachers College advisor.
Term hours subtotal: 16


Term hours subtotal: 14
\begin{tabular}{|c|c|c|c|}
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W Uper Division Non-U.S. Non-European History Course & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- If a clinical experience course is failed, the student must appeal to Mary Lou Fulton Teachers College. \\
- Explore an IGLE international experience.
\end{tabular}} \\
\hline Complete 2 courses:
HST Upper Division Elective & 6 & C & \\
\hline Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have \\
a Global Awareness (G) or Cultural Diversity (C) designation, in
\end{tabular} & 3 & C & \\
\hline
\end{tabular} addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal: 15
Term 6 77-90 Credit Hours Necessary course signified by
BLE 407: SEI for Secondary Students (L) Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\)\begin{tabular}{c} 
Notes
\end{tabular} addition to the courses used to meet the University General Studies

- Every History major must select two courses from one of the two survey tracks: U.S. or World History.
\begin{tabular}{|c|c|c|}
\hline \multirow[t]{2}{*}{Two Semester Survey in U.S. History or World History} & Non-US/Non-European History Courses & History Related Area Courses \\
\hline & \multirow[t]{2}{*}{HST 305: Studies in Latin American History ( \(\mathrm{SB} \& \mathrm{H}\) )} & AMS Elective \\
\hline \multirow[t]{3}{*}{HST 109: United States to 1865 ((HU or SB) \& H) AND HST 110: United States Since 1865 (SB \& H)} & & \multirow[b]{2}{*}{ENG Elective} \\
\hline & \multirow[b]{2}{*}{HST 375: Colonial Latin America (SB \& H)} & \\
\hline & & ETH Elective \\
\hline \multirow[t]{9}{*}{\begin{tabular}{l}
HST 100: Global History to 1500 (HU \& H \& \\
G) AND HST 101: Global History Since 1500 (HU \& H \& G)
\end{tabular}} & HST 376: Modern Latin America (SB \& H) & RC Elective \\
\hline & \multirow[t]{2}{*}{HST 430: The Ottoman Empire in the Classical Period} & \\
\hline & & HST Elective \\
\hline & \multirow[t]{2}{*}{HST 441: Latin America and the World Economy (L \& G \& H)} & JHR Elective \\
\hline & & LAS Elective \\
\hline & HST 454: History of Genocide (G \& H) & PAX Elective \\
\hline & & PHI Elective \\
\hline & & REL Elective \\
\hline & & SPA Elective \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Interdisciplinary Arts and Performance, BA}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASIAPBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

IAP 102: Foundations I: Performance Techniques and Composition 1. OR IAP 103: Foundations I: Interdisciplinary Digital Media OR IAP 104: Foundations I: Fundamentals of Sound Art OR IAP 105: Foundations I: Fundamentals of Visual Art

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\begin{tabular}{|c|c|c|}
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline Historical Awareness (H) & 3 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 ( 3 credits) is required for all transfer students in place of NEW 101.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

IAP 102: Foundations I: Performance Techniques and Composition ORIAP 103: Foundations I: Interdisciplinary Digital Media OR IAP 104: Foundations I: Fundamentals of Sound Art OR IAP 105: Foundations I: 3 C Fundamentals of Visual Art
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition

Natural Science - Quantitative (SQ) 4
Social-Behavioral Sciences (SB) 3
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance (HU) & 3 & C & - Develop your skills. \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline
\end{tabular}



\footnotetext{
Hide Course List(s)/Track Group(s)
}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Interdisciplinary Arts and Sciences, BA}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASIASBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year f. Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\begin{tabular}{|c|c|c|}
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college specific equivalent First Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \multirow[t]{7}{*}{- For the area of concentration courses starting in the next term, work with an advisor to select a minor available at ASU or construct an individualized area of concentration with a coherent theme or purpose.} \\
\hline Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3-47 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Area of Concentration Course & 3 C \\
\hline Literacy and Critical Inquiry (L) & 3 \\
\hline Cultural Diversity in the U.S. (C) & 3 \\
\hline Social-Behavioral Sciences (SB) & 3 \\
\hline Elective & 3 \\
\hline
\end{tabular}

Complete Mathematics (MA) requirement.
Complete First-Year Composition requirement.
Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 4-63 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- Area of Concentration courses are chosen in consultation with an academic advisor.
\begin{tabular}{|c|c|}
\hline Global Awareness (G) & 3 \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 \\
\hline Elective & 3 \\
\hline Term hours subtotal & 16 \\
\hline
\end{tabular}
- Explore an internship, study abroad, or IGLE experience.
\(\begin{array}{l}\text { Term } 5 \text { 63-78 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{c} 
Notes
\end{tabular} addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

\(\begin{array}{l}\text { Term } 678 \text { - } 93 \text { Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Complete 2 courses:
6
Elective
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G)
AND Historical Awareness (H) course(s)
Term hours subtotal: 15
Term 7 93-108 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

Hide Course List(s)/Track Group(s)
Diverse Identities Course List
AMS 330: American Lives (HU \& C)
Scientific and Mathematical Perspectives
Course List

WST 300: Women and Gender in
Contemporary Society (SB \& C)

\section*{WST 333: Critical Perspectives on Sexuality} (SB \& C)

WST 376: Feminist Theory (H \& C)
WST 467: Ethnic Women Writers (HU \& C)
\begin{tabular}{|c|c|c|}
\hline Secular and Sacred Worldviews Course List & Related Area Elective & Capstone \\
\hline HST 357: Historical Perspectives on & AMS Elective & HON 493: Honors Thesis (L) \\
\hline \begin{tabular}{l}
Philosophy and Religion or PHI 391: \\
Historical Perspectives on Philosophy and
\end{tabular} & ENG Elective & HRC 480: Capstone: Practices and \\
\hline & ETH Elective & Approaches (L) \\
\hline on Philosophy and Religion & & IAS 480: Capstone: Practices and Approaches \\
\hline IAS 401: Sacred Scriptures and Social & HRC Elective & \\
\hline & HST Elective & IAS 484: IAS Internship \\
\hline Scriptures and Social Choices (HU \& G) & P Electiv & IAS 493: Honors Thesis (L) \\
\hline IAS 430: Science and Religion (L or HU) & IAP Electiv & \\
\hline & IAS Elective & \\
\hline PHI 303: The Future of Religions (L or HU) or REL 300: The Future of Religions (L or & JHR Elective & \\
\hline & LAS Elective & \\
\hline PHI 318: Philosophy of Religion (HU) & PAX Elective & \\
\hline REL 310: Western Religious Traditions (HU \& H) & PHI Elective & \\
\hline REL 320: American Religious Traditions (HU & REL Elective & \\
\hline \& C \& H) & SPA Elective & \\
\hline REL 321: Religion in America ((L or HU) \& C \& H) & WST Elective & \\
\hline
\end{tabular}

REL 345: Asian Religious Traditions (HU \& G)

REL 381: Religion and Moral Issues (L or HU)

REL 390: Women, Gender and Religion (HU
\& G) or WST 390: Women, Gender and Religion (HU \& G)

REL 420: Religion in American Life and Thought (HU)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Latin American Studies, BA}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASLASBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

SPA 201: Intermediate Spanish (G)
4
C
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
MAT 142: College Mathematics (MA)
3
1
NEW 101: The ASU New College Experience
Historical Awareness (H) 3 14
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-29 Credit Hours Critical course signified by \({ }^{(!)}\) & Hours & Minimum Grade & Notes \\
\hline 4. SPA 202: Intermediate Spanish (G) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 4 & & \\
\hline \multicolumn{4}{|l|}{1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{(!)}\) & Hours & Minimum Grade & Notes \\
\hline LAS 205: Deep Roots: Latin America (HU \& G) OR LAS 206: Locating Latin America:Interdisciplinary Methods & 3 & C & - Develop your skills. \\
\hline SPA 313: Spanish Conversation and Composition (G) & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{4 Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{4 . Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- To enroll in SPA 201, students must have completed SPA 101 and 102 with grades of C or better, or have taken the Spanish placement test.
- IAS 300 ( 3 credits) is required for all transfer students in place of NEW 101.
- Select a career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline LAS 205: Deep Roots: Latin America (HU \& G) OR LAS 206: Locating Latin America:Interdisciplinary Methods & 3 & C & - Explore an internship, study abroad, or IGLE experience. \\
\hline SPA 314: Spanish Conversation and Composition (G) & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S.
(C) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline LAS 330: From the Inside: The Latin American Journey (HU) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline 5 Upper Division Latin American Elective & 3 & C & \\
\hline SPA 325: Introduction to Hispanic Literature (HU) & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division Community Embeddedness Course & 3 & C & \multirow[t]{6}{*}{- Use Handshake to research employment opportunities.} \\
\hline Upper Division Latin American Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W Upper Division Latin American Elective & 3 & C & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Elective
\end{tabular} & 9 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline LAS 499: Individualized Instruction & 3 & C & \\
\hline Upper Division Latin American Elective & 3 & C & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Elective
\end{tabular} & 9 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
- NEW 300 International Cities or SAO 394/494 Special Topics/International Program Courses used to fulfill the Community Embeddedness requirement must be located in Latin American countries.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline Community Embeddedness & Latin American Electives \\
\hline AMS 412: Immigration and Human Rights & AMS 330: American Lives (HU \& C) \\
\hline \multirow[t]{2}{*}{ASB 447: Citizenship, Nationalism, and Identity (SB \& C) or POS 447: Citizenship, Nationalism, and Identity (SB \& C) or SBS 447: Citizenship, Nationalism, and Identity (SB \& C)} & AMS 428: Chicano Cultures in the Southwest (SB) \\
\hline & AMS 450: Latina/os, Schooling and Social Inequality (C) or ETH 450: Latina/os, \\
\hline \multirow[t]{2}{*}{ETH 430: Gender on the Borderlands (SB \& G) or LAS 430: Gender on the Borderlands (SB \& G) or WST 430: Gender on the Borderlands (SB \& G)} & 450: Latina/os, Schooling and Social Inequality (C) \\
\hline & ASB 342: Mexico-U.S. Borderlands (SB \& C) or SBS 342: Mexico-U.S. Borderlands (SB \& \\
\hline LAS 484: Internship & C) or SOC 342: Mexico-U.S. Borderlands (SB \\
\hline \multicolumn{2}{|l|}{NEW 300: International Cities} \\
\hline SAO 394: Special Topics & \multirow[t]{2}{*}{ETH 430: Gender on the Borderlands (SB \& G) or LAS 430: Gender on the Borderlands (SB \& G) or WST 430: Gender on the Borderlands (SB \& G)} \\
\hline SAO 494: International Program Courses & \\
\hline & ETH 473: Indigenous and Latina/Chicana Representation (SB \& C) or LAS 473: Indigenous and Latina/Chicana Representation (SB \& C) or WST 473: Indigenous and Latina/Chicana Representation (SB \& C) \\
\hline & HST 305: Studies in Latin American History (SB \& H) \\
\hline & HST 375: Colonial Latin America (SB \& H) \\
\hline & HST 376: Modern Latin America (SB \& H) \\
\hline & HST 404: Conquest and Encounters in Colonial Latin America (L \& G) \\
\hline & HST 418: The Hispanic Southwest (SB) \\
\hline & HST 419: 20th Century Chicano/a History (C) \\
\hline & HST 441: Latin America and the World Economy (L \& G \& H) \\
\hline & HST 447: Modern Mexico (SB \& H) \\
\hline & IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU) \\
\hline & IAP 473: Aesthetic Research (L or HU) \\
\hline & IAP 474: Art and Film (L or HU) \\
\hline & IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU) \\
\hline & LAS 340: Latin American Women Writers \\
\hline & LAS 350: The Construction of a Nation: Chile in the 20th/21st Century \\
\hline
\end{tabular}
\begin{tabular}{|c|}
\hline \begin{tabular}{l}
LAS 351: Cityscapes: Urban Mexican \\
Literature and Culture \\
LAS 355: Contemporary Mexican Cinema: Changing Cartographies
\end{tabular} \\
\hline LAS 471: Treaties and Cultural Production in Spain and the Americas \\
\hline LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) \\
\hline LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU \& G) \\
\hline MUS 354: Latin American Popular Music (HU) \\
\hline PHI 306: Applied Ethics (HU) \\
\hline PHI 360: Business and Professional Ethics (HU) \\
\hline POS 354: Central American Studies (SB \& G) or ASB 356: Central American Studies (SB \& G) or GCU 356: Central American Studies (SB \& G) or SBS 356: Central American Studies (SB \& G) or SOC 356: Central American Studies (SB \& G) \\
\hline POS 438: Latino Politics (SB \& C) \\
\hline POS 453: Latin America (SB \& G) \\
\hline POS 454: Mexico (SB \& G) \\
\hline POS 464: Border Cities: Action Research on Globalization (SB \& G) \\
\hline SPA 413: Advanced Spanish Grammar (G) \\
\hline SPA 426: Literature and Society in Modern Spain (HU) \\
\hline SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) \\
\hline SPA 429: Writing Mexico: Major Texts ((L or HU \& G) \\
\hline SPA 434: Drama of the Golden Age \\
\hline SPA 456: 20th-Century Spanish American Fiction \\
\hline SPA 464: Jait \(\tilde{A}^{3} n\) Works in Chicano/a Literature ((HU or SB) \& C) \\
\hline SPA 472: Latin American Society: Five Case Studies (HU \& H \& G) \\
\hline SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) \& G) \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Pharmacology and Toxicology, BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASPTXBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline BIO 181: General Biology I (SQ) & 4 & C \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 210: Brief Calculus (MA) OR STP 226: Elements of Statistics (CS) & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in Mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 215-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) BIO 182: General Biology II (SG) & 4 & C & \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 210: Brief Calculus (MA) OR STP 226: Elements of Statistics (CS) & 3 & C & \\
\hline \multicolumn{4}{|l|}{(4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 3-44 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1. PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & 4 & C & - Develop your research skills. \\
\hline BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I & 4 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline \multicolumn{4}{|l|}{(4. Complete CHM 113, CHM 116 course(s).} \\
\hline \multicolumn{4}{|l|}{(1) Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{(4) Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{4}{|l|}{Complete BIO 181, BIO 182 course(s).} \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. PHY 112: General Physics (SQ) AND PHY 114: General Physics

Laboratory (SQ)

C
\begin{tabular}{|c|c|c|c|}
\hline BIO 202: Human Anatomy and Physiology II (SG) & 4 & C & \multirow[t]{2}{*}{- Explore an internship or IGLE international experience.} \\
\hline CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II & 4 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 1 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory & 4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline PTX 301: Basics of Pharmacology and Toxicology & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline 76-92 Credit Hours N & Hours & Minimum & Notes \\
\hline
\end{tabular}

Term 7 92-106 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|c|}
\hline Term 792-106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory & 4 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- A total of 4 credit hours of PTX 499 may be taken to meet the upper division Pharmacology/Toxicology elective requirement. \\
- A total of 3 credit hours of PTX 484 or PTX 493 may be taken to meet the upper division Pharmacology/Toxicology elective requirement.
\end{tabular}} \\
\hline 5 PTX 432: Fundamentals of Pharmacology & 3 & C & \\
\hline Upper Division Pharmacology and Toxicology Elective & 4 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 8 106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I PTX 450: Pharmacology and Toxicology Laboratory & 1 & C & \multirow[t]{3}{*}{- General elective credit hours will be adjusted depending on the Pharmacology/Toxicology electives selected. Discuss with your advisor.} \\
\hline PTX 475: Principles of Toxicology & 3 & C & \\
\hline & & & \\
\hline
\end{tabular}
- A total of 4 credit hours of PTX 499 may be taken to meet the upper division Pharmacology/Toxicology elective requirement.
- A total of 3 credit hours of PTX 484 or PTX 493 may be taken to meet the upper division Pharmacology/Toxicology elective requirement.
- Use Handshake to research employment opportunities.

Upper Division Humanities, Arts and Design (HU) AND Global
Awareness (G) OR Upper Division Social-Behavioral Sciences (SB)
AND Global Awareness (G) ( ASB 353 OR SOC 353 recommended)
Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\begin{tabular}{|c|c|}
\hline Upper Division Elective OR PTX 484: Internship & 4-2 \\
\hline
\end{tabular}

\section*{).......}

3
C
- A total of 4 credit hours of PTX 499 may be taken to meet the upper division Pharmacology and Toxicology elective requirement.
- A total of 3 credit hours of PTX 484 or PTX 493 may be taken to meet the upper division Pharmacology and Toxicology elective requirement.

Hide Course List(s)/Track Group(s)
Upper Division Pharamacology and Toxicology Elective

CHM 302: Environmental Chemistry
FOR 401: Forensic Toxicology
LSC 388: Research Fundamentals for the Natural Sciences (L)

LSC 425: Analytical Chemistry for Life Sciences AND LSC 426: Analytical Chemistry for Life Sciences Lab

LSC 430: Environmental and Human
Toxicology
MIC 443: The Microbial Universe AND MIC
444: The Microbial Universe Laboratory
PSY 470: Psychopharmacology
PTX 493: Honors Thesis

PTX 499: Individualized Instruction
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASRELBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) PHI 101: Introduction to Philosophy (HU) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & - ASU 101 or college-specific equivalent First-Year Seminar required of all freshman \\
\hline Natural Science - Quantitative (SQ) & 4 & & students. NEW 101 satisfies this requirement. \\
\hline Term hours subtotal: & 14 & & \begin{tabular}{l}
- IAS 300 (3 credits) is required for all transfer students in place of NEW 101. \\
- Select career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minimum Grade & Notes \\
\hline 4 REL 100: Religions of the World (HU \& G) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

Term hours subtotal: 15

\begin{tabular}{|c|c|}
\hline Literacy and Critical Inquiry (L) & 3 \\
\hline Social-Behavioral Sciences (SB) & 3 \\
\hline Elective & 3 \\
\hline & 15 \\
\hline
\end{tabular}

Studies and is one of the following prefixes: AMS, ENG, ETH, HRC, HST, IAP, IAS, JHR, LAS, PAX, PHI, REL, SPA, or WST.
- Explore an internship, study abroad, or IGLE experience.
Term 5 60-75 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes

Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PHI 304: Existentialism (HU) OR PHI 411: Continental Philosophy (HU) OR PHI 412: Philosophy and Literary Criticism (HU) & 3 & C & \multirow[t]{3}{*}{- Use Handshake to research employment opportunities.} \\
\hline Wpper Division Religious Studies Track Course & 3 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Term 8 105-120 Credit Hours Necessary course signified by
Hours
Grade
Upper Division Continental Philosophy Track Course
Upper Division Culminating Experience
Related Area Course
Complete 2 courses:
Upper Division Elective
- A Related Area Course is any course offered by the School of Humanities, Arts and Cultural Studies and is one of the following prefixes: AMS, ENG, ETH, HRC, HST, IAP, IAS, JHR, LAS, PHI, REL, SPA, or WST.

Hide Course List(s)/Track Group(s)
Applied Ethics Track
IAS 340: Bioethics (HU) or PHI 320:
Bioethics (HU)
IAS 406: Moral Dilemmas (L or HU) or PHI
406: Moral Dilemmas (L or HU)
IAS 407: Environmental Philosophy and
Policy (L or HU) or PHI 407: Environmental
Philosophy and Policy (L or HU)
IAS 409: Eco-Community Ethics (HU) or PHI
409: Eco-Community Ethics (HU)
PHI 306: Applied Ethics (HU)
PHI 336: Social and Political Philosophy (HU)
PHI 360: Business and Professional Ethics
(HU)
PHI 408: Feminist Ethics (HU)
PHI 415: Philosophy and Film (HU)
PHI 421: Philosophical Topics
PHI 439: Philosophy of Love and Sex
Upper Division Continental Philosophy Core
PHI 304: Existentialism (HU)

PHI 411: Continental Philosophy (HU)
PHI 412: Philosophy and Literary Criticism (HU)
\begin{tabular}{|c|c|}
\hline Continental Philosophy Track & Religious Studies Track \\
\hline ENG 401: Topics in Critical Theory & IAS 410: Evolution of Ideas (L or HU) \\
\hline HST 357: Historical Perspectives on & IAS 430: Science and Religion (L or HU) \\
\hline \begin{tabular}{l}
Philosophy and Religion or PHI 391: \\
Historical Perspectives on Philosophy and Religion or REL 391: Historical Perspectives on Philosophy and Religion
\end{tabular} & PHI 303: The Future of Religions (L or HU) or REL 300: The Future of Religions (L or HU) \\
\hline HST 390: Jewish Philosophy or PHI 390: & PHI 318: Philosophy of Religion (HU) \\
\hline Jewish Philosophy or REL 314: Jewish Philosophy & PHI 421: Philosophical Topics \\
\hline PHI 304: Existentialism (HU) & REL 310: Western Religious Traditions (HU \& H) \\
\hline PHI 311: Philosophy and Literature (HU) & REL 321: Religion in America ((L or HU) \& \\
\hline PHI 339: Philosophy of Art (HU) & C \& H) \\
\hline PHI 411: Continental Philosophy (HU) & REL 345: Asian Religious Traditions (HU \& G) \\
\hline PHI 412: Philosophy and Literary Criticism (HU) & REL 390: Women, Gender and Religion (HU \& G) or WST 390: Women, Gender and \\
\hline PHI 421: Philosophical Topics & Religion (HU \& G) \\
\hline \begin{tabular}{l}
PHI 494: Philosophical/Spiritual Issues in Death \& Dying or REL 494: \\
Philosophical/Spiritual Issues in Death \& Dying
\end{tabular} & \\
\hline Related Area Course & Culminating Experience \\
\hline AMS Elective & IAS 480: Capstone: Practices and Approaches \\
\hline ENG Elective & IAS 484: IAS Internship \\
\hline ETH Elective & HON 493: Honors Thesis (L) \\
\hline HRC Elective & IAS 493: Honors Thesis (L) \\
\hline HST Elective & PHI 493: Honors Thesis (L) \\
\hline \multicolumn{2}{|l|}{IAP Elective} \\
\hline \multicolumn{2}{|l|}{IAS Elective} \\
\hline \multicolumn{2}{|l|}{JHR Elective} \\
\hline \multicolumn{2}{|l|}{LAS Elective} \\
\hline Academic Catalog Archive 2018-2019 & 3087 \\
\hline
\end{tabular}
PAX Elective
PHI Elective
REL Elective
SPA Elective
WST Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Political Science, BA
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus, ASU@Lake Havasu
ASPOLBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
POS 110: American Government and Politics (SB) OR POS 150: \\
Comparative Government (SB \& G) or POS 160: Global Politics (SB \& G) OR POS 210: Political Ideologies (SB)
\end{tabular} & 3 & C & - An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Mathematics Placement Assessment score determines placement in mathematics course. \\
\hline MAT 142: College Mathematics (MA) & 3 & C & - ASU 101 or college-specific equivalent \\
\hline NEW 101: The ASU New College Experience & 1 & & First-Year Seminar required of all \\
\hline Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 13 & & \begin{tabular}{l}
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101 \\
- Credit is only granted for POS 110 or POS 310. \\
- Credit is only granted for POS 160 or POS 360 . \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 4 45-60 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

POS 110: American Government and Politics (SB) OR POS 150:
!. Comparative Government (SB \& G) or POS 160: Global Politics (SB
\& G) OR POS 210: Political Ideologies (SB)
\begin{tabular}{|c|c|c|}
\hline Complete 2 courses: & \multirow[t]{2}{*}{6} & \multirow[t]{2}{*}{C} \\
\hline Related Fields Course & & \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Elective & 3 & \\
\hline & 15 & \\
\hline
\end{tabular}
- For related field, students are encouraged to take a public speaking course if they deem public speaking skills to be important for their future career.
- Credit is only granted for POS 110 or POS 310.
- Credit is only granted for POS 160 or POS 360.
- Explore an internship, IGLE international experience, or ASU study abroad.
Term 5 60 \(\mathbf{- 7 5}\) Credit Hours Necessary course signified by

Term hours subtotal: 15
Term 7 90-105 Credit Hours Necessary course signified by


\section*{Notes:}
- No more than a total of 6 credit hours of POS 484 or POS 499 may be applied in the major.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ - Humanities, Arts and Design (HU) \\ Total Community College Hrs: 64 maximum \\ - Social-Behavioral Sciences (SB) \\ Total College Residency Hrs: 12 minimum \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Political Science, BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASPOLBS
Term 10-13 Credit Hours Critical course signified by 1 (4)
POS 110: American Government and Politics (SB) OR POS 150:
Comparative Government (SB \& G) or POS 160: Global Politics (SB
\& G) OR POS 210: Political Ideologies (SB) \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101.
- For related fields, students are encouraged to take a public speaking course if they deem public speaking skills important for their future career.
- Credit is only granted for POS 110 or POS 310.
- Credit is only granted for POS 160 or POS 360.
- Select your career interest area and play me3@ASU.


Complete First-Year Composition requirement.

Term hours subtotal:
Term 45-60 Credit Hours Critical course signified by \({ }^{4}\)

16

POS 110: American Government and Politics (SB) OR POS 150:
\begin{tabular}{|c|c|c|}
\hline Comparative Government (SB \& G) or POS 160: Global Politics (SB \& G) OR POS 210: Political Ideologies (SB) & 3 & C \\
\hline POS Elective & 3 & C \\
\hline Related Fields Course & 3 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- For related fields, students are encouraged to take a public speaking course if they deem public speaking skills important for their future career.
- Credit is only granted for POS 110 or POS 310.
- Credit is only granted for POS 160 or POS 360.
- Explore an internship, IGLE international experience, or ASU study abroad.
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SBS 303: Quantitative Methods & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- IAS 300 ( 3 credit hours) is required for all transfer students. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline POS Upper Division Elective & 3 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § SBS 304: Social Statistics I (CS) & 3 & C & \multirow[t]{2}{*}{- Use Handshake research employment opportunities.} \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Elective
\end{tabular} & 9 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \(\hat{\$}\) SBS 302: Qualitative Methods & 3 & C & \\
\hline Complete 2 courses: POS Upper Division Elective & 6 & C & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & 3094 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Upper Division Humanities, Arts and Design (HU) & \multicolumn{2}{|l|}{3} & \multirow[b]{4}{*}{Notes} \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
POS Upper Division Elective
\end{tabular} & 6 & C & \\
\hline Upper Division Elective OR POS 484: Internship & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
- \(\quad\) No more than a total of 6 credit hours of POS 484 or POS 499 may be applied to the major.
- Up to 6 credit hours of approved non-POS courses may be applied to the major, if selected with and approved by an academic advisor.
Hide Course List(s)/Track Group(s)
Related Fields
ASB Elective
COM Elective
ECN Elective
GCU Elective
HST Elective
JHR Elective
POS Elective
PSY Elective
SBS Elective
SOC Elective
WST Elective

\section*{Notes:}
- No more than a total of 6 credit hours of POS 484 or POS 499 may be applied to the major.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

\section*{Total College Residency Hrs: 12 minimum}
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology, BA}

School/College: New College of Interdisciplinary Arts and Sciences Location: West campus, ASU@Lake Havasu
ASPGSBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 119: Finite Mathematics (MA) & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & - ASU 101 or college-specific equivalent First-Year Seminar required of all freshman \\
\hline Cultural Diversity in the U.S. (C) & 3 & & students. NEW 101 satisfies this requirement. \\
\hline Elective & 2 & & - IAS 300 ( 3 credit hours) is required for all \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
transfer students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4. PSY 290: Research Methods (L or SG) & 4 & C & \\
\hline
\end{tabular}


\section*{Complete 2 courses:}

Upper Division PSY Elective (From Any Cluster Topic Course List)
Upper Division Language and Cultures: Requirement satisfied through
the following:
* Completion of six semester hours of upper-division courses that have
a Global Awareness (G) or Cultural Diversity (C) designation, in
addition to the courses used to meet the University General Studies
requirements or four (4) sequential semesters of one foreign language
or two (2) semesters of a current computer language. Adjustment to
upper division hours is required if lower division courses are used.
Complete 2 courses:
Elective
Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 8 105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
Upper Division PSY Elective (From Any Cluster Topic Course
List)
Related Coursework Electives
Upper Division Elective OR PSY 484: Internship
Complete 2 courses:
Upper Division Elective
academic advisor for approval prior to enrollment.
- Select PSY Electives from PSY Cluster Topics Course Lists. Student may choose PSY Electives from within one PSY Cluster Topic list or select a combination of courses from any PSY Cluster Topic lists to meet the requirements for this area. Please see your academic advisor for assistance.

Related Coursework Electives are to be chosen from ASB, COM, POS, PSY, SBS, SOC, or other courses approved by your academic advisor.

No more than 3 credit hours of PSY 399, PSY 484, PSY 499, PSY 493 or HON 493 may count toward requirements.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Neuroscience Core 1 & Neuroscience Core 2 & Social/Developmental Core \\
\hline PSY 320: Learning and Motivation & PSY 320: Learning and Motivation & \multirow[t]{2}{*}{PSY 315: Personality Theory and Research (SB)} \\
\hline PSY 323: Sensation and Perception & PSY 323: Sensation and Perception & \\
\hline PSY 324: Memory and Cognition & PSY 324: Memory and Cognition & PSY 341: Developmental Psychology (SB) \\
\hline PSY 325: Physiological Psychology & PSY 325: Physiological Psychology & PSY 350: Social Psychology (SB) \\
\hline & PSY 369: Biology of Human Sexuality & PSY 366: Abnormal Psychology (SB) \\
\hline & PSY 470: Psychopharmacology & PSY 443: Abnormal Child Psychology (L or SB) \\
\hline & & PSY 462: Health Psychology \\
\hline \multirow[t]{2}{*}{Biological / Learning Cluster Topic Course List} & Clinical/Health Cluster Topic Course List & Experiential Cluster Topic Course List \\
\hline & PSY 315: Personality Theory and Research & PSY 344: Directed Child Study (SB) \\
\hline PSY 320: Learning and Motivation & (SB) & PSY 394: Special Topics \\
\hline PSY 323: Sensation and Perception & PSY 366: Abnormal Psychology (SB) & \multirow[b]{2}{*}{PSY 399: Supervised Research} \\
\hline \multirow[t]{2}{*}{PSY 324: Memory and Cognition} & \multirow[t]{3}{*}{PSY 443: Abnormal Child Psychology (L or SB)} & \\
\hline & & PSY 484: Internship \\
\hline PSY 325: Physiological Psychology & & \multirow[b]{2}{*}{PSY 494: Special Topics} \\
\hline \multirow[b]{2}{*}{PSY 369: Biology of Human Sexuality} & \multirow[t]{2}{*}{PSY 444: Adolescent Psychology and Psychopathology} & \\
\hline & & PSY 499: Individualized Instruction \\
\hline PSY 425: Biological Bases of Behavior (L) & PSY 462: Health Psychology & \\
\hline \multirow[t]{4}{*}{PSY 470: Psychopharmacology} & PSY 465: Psychology of Stress and Coping & \\
\hline & PSY 472: Clinical Psychology & \\
\hline & PSY 473: Psychology and Politics of Child Maltreatment & \\
\hline & PSY 475: Multicultural Issues in Clinical Psychology & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Industrial/Organizational Cluster Topic Course List & Life Span/Development Cluster Topic Course List & Methodology and Critical Thinking Cluster Topic Course List \\
\hline PSY 430: Industrial Psychology & PSY 341: Developmental Psychology (SB) & PSY 304: Effective Thinking (L) \\
\hline PSY 453: Organizational Behavior (SB) & PSY 446: Social Development (L or SB) & PSY 330: Statistical Methods (CS) \\
\hline PSY 468: Psychology and Law & PSY 447: Psychology of Aging (SB) & \\
\hline \multicolumn{3}{|l|}{PSY 482: Social Influence and Consumer Behavior (SB)} \\
\hline Social Influence Cluster Topic Course List & Related Coursework Electives & \\
\hline PSY 306: Environmental Psychology (SB) & ASB Elective & \\
\hline PSY 350: Social Psychology (SB) & COM Elective & \\
\hline PSY 370: Interpersonal Relationships (SB) & POS Elective & \\
\hline PSY 385: Psychology of Gender (SB) & PSY Elective & \\
\hline \multirow[t]{2}{*}{PSY 473: Psychology and Politics of Child Maltreatment} & SBS Elective & \\
\hline & SOC Elective & \\
\hline
\end{tabular}

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ Total College Residency Hrs: 12 minimum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology, BA}

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online
ASPGSBA

FTFast Track Options: 2.5 Year \| 3 Year

A student must speak with an advisor in order to be added to a fast track plan.

\begin{tabular}{|c|c|c|c|}
\hline Term 1-B7-13 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) MAT 119: Finite Mathematics (MA) & 3 & C & \multirow{3}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4. Related Coursework Elective & 3 & C & \multirow{4}{*}{- Additional subjects may be used to fulfill related area requirements with academic advisor approval.} \\
\hline Historical Awareness (H) & 3 & & \\
\hline \multicolumn{3}{|l|}{(4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-A 25-31 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Natural Science - Quantitative (SQ) & 4 & C & \\
\hline Elective & 2 & & \\
\hline Term hours subto & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 31-37 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline (1) PSY 230: Introduction to Statistics (CS) & 3 & C & \multirow[t]{3}{*}{- PSY 230 may not be used to fulfill the CS requirement in the major.} \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline \multicolumn{3}{|l|}{4 (1) Complete First-Year Composition requirement.} & \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-A 37-44 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4 PSY 290: Research Methods (L or SG) & 4 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- PSY 290 may not be used to fulfill the SG requirement in the major but may be used to fulfill the lower division L in general studies. \\
- Develop your skills.
\end{tabular}} \\
\hline Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-B 44-51 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-A 51-57 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline In Upper Division Social/Developmental Core & 3 & C & \multirow[t]{3}{*}{- Psychology courses listed cannot be used to fulfill multiple requirements within the major.} \\
\hline Upper Division Social/Developmental Core AND Upper Division Social-Behavioral Sciences (SB) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 57-63 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ACO 100: All About Data: Design, Query, and Visualization (CS) OR
CIS 105: Computer Applications and Information Technology (CS) & 3 & C & - SBS 300 (3 credit hours) is required for all transfer students in place of ASU \\
\hline \multicolumn{3}{|l|}{Upper Division Elective OR SBS 300: Careers in Psychology 3} & 101-UC. \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & - Explore an internship, IGLE international experience or ASU study abroad. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% Upper Division Neuroscience Core & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in general studies. \\
- Create your professional online presence.
\end{tabular}} \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used; \\
* Completion of two sequential semesters of coursework in a current computer language.
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

PSY Elective
3
C

Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used; * Completion of two sequential semesters of coursework in a current computer language.

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
- Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in general studies.

3
C

6
\(\begin{array}{l}\text { Term } 7 \text { - A 75-81 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
Term 7 - B 81 - 87 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|}
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W Upper Division Neuroscience Core & 3 & C \\
\hline Related Coursework Elective & 3 & C \\
\hline Term hours subtotal: & 6 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-B 93-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Additional subjects may be used to fulfill related area requirements with academic advisor approval.
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 99-105 Credit Hours & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline Upper Division Literacy and Critical Inquiry (L) & \multicolumn{2}{|l|}{3} & \multirow{3}{*}{- Use Handshake to research employment opportunities.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division Psychology Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

- The Additional Psychology Courses listed in the track can only apply once in the major and may not be used to fulfill multiple psychology major requirements.
\begin{tabular}{lll} 
Hide Course List(s)/Track Group(s) & \\
\hline Neuroscience Core & Social/Developmental Core & Upper Division Psychology Elective List
\end{tabular}

Related Coursework Electives

ASB Elective

COM Elective

POS Elective

PSY Elective

SBS Elective

SOC Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology, BS}

School/College: New College of Interdisciplinary Arts and Sciences Location: West campus, ASU@Lake Havasu
ASPGSBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement. \\
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 170: Precalculus (MA) & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & \\
\hline Term hours subtotal: & 13 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 213-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) Related Coursework Electives & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline (4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) PSY 230: Introduction to Statistics (CS) & 3 & C & - Develop your skills. \\
\hline Historical Awareness (H) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline (4) Complete First-Year Composition requirement. & & & \\
\hline (4) Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 4-59 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Physical Science Lab Course - Astronomy, Chemistry, Environmental Science, Geology, or Physics & 4 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}
- Psychology BS majors are required to take one Life Science lab course and one Physical Science lab course in addition to PSY 290 and two required university general studies science courses.
- Explore an internship or IGLE international experience
Term 5 59-74 Credit Hours Necessary course signified by
Term 6 74 - \(\mathbf{8 9}\) Credit Hours Necessary course signified by

- Select PSY Electives from PSY Cluster Topics Course lists. Student may choose PSY Electives from within one PSY Cluster Topic list or select a combination of courses from any PSY Cluster Topic lists to meet the requirements for this area. Please see your academic advisor for assistance.

Related Coursework Electives are to be chosen from ASB, COM, POS, PSY, SBS, SOC, or other courses approved by your academic advisor.

No more than 3 credit hours of PSY 399, PSY 484, PSY 499, PSY 493 or HON 493 may count toward requirements.
Hide Course List(s)/Track Group(s)
Neuroscience Core Group 1
PSY 320: Learning and Motivation
PSY 323: Sensation and Perception
PSY 324: Memory and Cognition
PSY 320: Learning and Motivation
PSY 315: Personality Theory and Research
(SB)
PSY 366: Abnormal Psychology (SB)

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ Total College Residency Hrs: 12 minimum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology, BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online
ASPGSBS

\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 13-20 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 1 Life Science Lab Science Requirement & 4 & C & \multirow[t]{3}{*}{- Psychology (BS) majors are required to take one Life Science course (lecture and lab) and one Physical Science course (lecture and lab) in addition to PSY 290 and the two required general studies science courses.} \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 20-26 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1. Social-Behavioral Sciences (SB) & 3 & & \\
\hline Historical Awareness (H) & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-A 26-33 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{4 Complete Mathematics (MA) requirement.} & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 33-39 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 6-A 64-70 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Neuroscience Core & 3 & C & \multirow{3}{*}{\begin{tabular}{l}
- Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in the general studies. \\
- Create yourprofessional online presence.
\end{tabular}} \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 70-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 3 PSY Elective & 3 & C & \multirow[b]{2}{*}{- Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in general studies.} \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in
\end{tabular} & & & \\
\hline
\end{tabular}
addition to the courses used to meet the University General Studies
requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
6
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 76-83 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division PSY Elective & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Psychology BS majors are required to take one Life Science course (lecture and lab) and one Physical Science course (lecture and lab) in addition to PSY 290 and the two required general studies science courses. \\
- If PSY 304 is used for the upper division L, it may be used to fulfill the upper division elective requirement in the major.
\end{tabular}} \\
\hline Physical Science Lab Science Requirement & 4 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 83-89 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Social/Developmental Core AND Upper Division Social-Behavioral Sciences (SB) & \multicolumn{2}{|l|}{3} & \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 8-A 89-96 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Neuroscience Core & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 8-B 96-102 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Related Coursework Elective & 3 & C \\
\hline Upper Division Elective & 3 & \\
\hline & 6 & \\
\hline
\end{tabular}
- Additional subjects may be used to fulfill related area requirements with academic advisor approval.

\begin{tabular}{|c|c|c|c|}
\hline Term 10-A 114-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division PSY Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
- - The Additional Psychology Courses listed in the track can only apply once in the major and may not be used to fulfill multiple psychology major requirements.
Hide Course List(s)/Track Group(s)
Neuroscience Core
PSY 320: Learning and Motivation
PSY 323: Sensation and Perception
PSY 315: Personality Theory and Research
PSY 324: Memory and Cognition
(SB)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{Total College Residency Hrs: 12 minimum}
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology (Forensic Psychology), BA}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASPGSFPBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement. \\
- IAS 300 (3 credit hours) is required for all transfer students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 119: Finite Mathematics (MA) & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & \\
\hline Term hours subtotal: & 13 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 13-29 Credit Hours Critical course signified by 9 & Hours & Minimum Grade & Notes \\
\hline 4 CRJ 225: Introduction to Criminology (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 29-44 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. PSY 230: Introduction to Statistics (CS) & 3 & C & - Develop your skills. \\
\hline Historical Awareness (H) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 2 & & \\
\hline 1. Complete First-Year Composition requirement. & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 444-60 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\begin{tabular}{|c|c|}
\hline Upper Division Elective & 3 \\
\hline
\end{tabular}

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Forensic Psychology Concentration Elective & 3 & C & \\
\hline
\end{tabular}


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

\section*{2018-2019 Major Map}

\section*{Psychology (Forensic Psychology), BA}

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online
ASPGSFPBA
\begin{tabular}{|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 4 PSY 101: Introduction to Psychology (SB) & 3 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. SBS 300 ( 3 credits) is required for all transfer students in place of ASU 101-UC.
- Select your career interest area and play me3@ASU.


Complete Mathematics (MA) requirement.
Term hours subtotal:
6
\begin{tabular}{|c|c|c|c|c|}
\hline Term 4-A 37-44 Credit Hours Critical course signified by \({ }^{\boldsymbol{4}}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline PSY 290: Research Methods (L or SG) & 4 & C \\
\hline Global Awareness (G) & 3 & \\
\hline
\end{tabular}
- PSY 290 may not be used to fulfill the SG requirement in the major but may be used to fulfill the lower division \(L\) in general studies.
- Develop your skills.
\begin{tabular}{|c|c|c|c|}
\hline Term 4-B 44-51 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & C & \\
\hline
\end{tabular}
\begin{tabular}{ll} 
Term 5-A 51-57 Credit Hours Necessary course signified by & Hours \\
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
Term 5-B 57-63 Credit Hours \(\quad\) Hours \begin{tabular}{c|c|c|}
\hline Minimum \\
Grade
\end{tabular}

\begin{tabular}{l|c|c|ccc} 
Term 6 - A 63-69 Credit Hours Necessary course signified by & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes
\end{tabular}
\[
\text { Term hours subtotal: } 6
\]
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

CRJ 225: Introduction to Criminology (SB)
3
C

Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies
- Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in general studies.
\begin{tabular}{|c|c|c|c|}
\hline requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used. & & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I PSY 366: Abnormal Psychology (SB) & 3 & C & \multirow[b]{3}{*}{- Additional subjects may be used to fulfill related area requirements with academic advisor approval.} \\
\hline Related Coursework Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 81-87 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Related Coursework Elective & 3 & C & \multirow[b]{3}{*}{- Additional subjects may be used to fulfill related area requirements with academic advisor approval.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% Upper Division Neuroscience Focus Area & 3 & C & \multirow[t]{3}{*}{- Additional subjects may be used to fulfill related area requirements with academic advisor approval.} \\
\hline Upper Division Related Coursework Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 93-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} & \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 9-A 99-105 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \multirow{3}{*}{- Use Handshake to research employment opportunities.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% PSY 368: Forensic Psychology & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § PSY 468: Psychology and Law & 3 & C & \\
\hline Upper Division Psychology Concentration Elective & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 10-B 117-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology (Forensic Psychology), BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASPGSFPBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement. \\
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 170: Precalculus (MA) & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & \\
\hline Term hours subtotal: & 13 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 213-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) CRJ 225: Introduction to Criminology (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Global Awareness (G) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline (1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal & 16 & & \\
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) PSY 230: Introduction to Statistics (CS) & 3 & C & - Develop your skills. \\
\hline Historical Awareness (H) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline (4) Complete First-Year Composition requirement. & & & \\
\hline (1) Complete Mathematics (MA) requirement. & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 4-59 Credit Hours Critical course signified by \({ }^{(1)}\) & & \[
\begin{aligned}
& \text { imum } \\
& \text { rade }
\end{aligned}
\] & Notes \\
\hline
\end{tabular}

- Psychology BS majors are required to take one Life Science lab course and one Physical Science lab course in addition to PSY 290 and two required university general studies science courses.
- Explore an internship or IGLE international experience.
Term 5 59-74 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|}
\hline PSY 468: Psychology and Law & 3 & C \\
\hline Upper Division Neuroscience Focus Area Course \#2 & 3 & C \\
\hline CRJ 260: Substantive Criminal Law & 3 & C \\
\hline Upper Division Social/Developmental Focus Area Course & 3 & C \\
\hline
\end{tabular}
- Use Handshake to research employment opportunities.

Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\(\leadsto\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).
\[
\text { Term hours subtotal: } \quad 15
\]
Term 7 89-105 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|}
\hline Upper Division Forensic Psychology Concentration Elective & 3 & C \\
\hline Upper Division Related Coursework Elective & 3 & C \\
\hline Upper Division Elective OR PSY 484: Internship & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Neuroscience Focus Area Course \#1 & Neuroscience Focus Area Course \#2 & Social/Developmental Focus Area Course \\
\hline PSY 320: Learning and Motivation & PSY 320: Learning and Motivation & \multirow[t]{2}{*}{PSY 315: Personality Theory and Research (SB)} \\
\hline PSY 323: Sensation and Perception & PSY 323: Sensation and Perception & \\
\hline PSY 324: Memory and Cognition & PSY 324: Memory and Cognition & PSY 341: Developmental Psychology (SB) \\
\hline PSY 325: Physiological Psychology & PSY 325: Physiological Psychology & PSY 350: Social Psychology (SB) \\
\hline & PSY 369: Biology of Human Sexuality & PSY 443: Abnormal Child Psychology (L or SB) \\
\hline & PSY 470: Psychopharmacology & PSY 462: Health Psychology \\
\hline Forensic Psychology Concentration Elective & \multirow[t]{2}{*}{Physical Science Interdisciplinary Lab Courses} & Life Science Interdisciplinary Lab Courses \\
\hline CRJ 406: Sex Crimes & & BCH Elective \\
\hline CRJ 435: Crime and Forensic Mental Health & AST Elective & BIO Elective \\
\hline  & CHM Elective & FOR Elective \\
\hline SB) & ENV Elective & FOR Elective \\
\hline \multirow[t]{3}{*}{PSY 474: Correctional Psychology} & GLG Elective & LSC Elective \\
\hline & GLG Elective & MIC Elective \\
\hline & PHY Elective & \\
\hline \multicolumn{3}{|l|}{Related Coursework Electives} \\
\hline \multicolumn{3}{|l|}{ASM Upper Division Elective} \\
\hline \multicolumn{3}{|l|}{COM Upper Division Elective} \\
\hline \multicolumn{3}{|l|}{POS Upper Division Elective} \\
\hline \multicolumn{3}{|l|}{PSY Upper Division Elective} \\
\hline \multicolumn{3}{|l|}{SBS Upper Division Elective} \\
\hline SOC Upper Division Elective & & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

\section*{Total College Residency Hrs: 12 minimum}
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology (Forensic Psychology), BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: Online
ASPGSFPBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first year composition courses. \\
- Math Placement Assessment score determines placement in mathematics course. \\
- ASU 101 is required of all freshman students. SBS 300 (3 credits) is required for all transfer students in place of ASU 101. \\
- Select yourcareer interest areaand play me3@ASU.
\end{tabular}} \\
\hline ASU 101-UC: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 1-B 7-13 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - View ASU Online first-time freshmen registration information here. \\
\hline MAT 170: Precalculus (MA) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 13-20 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) Life Science Lab Science Requirement & 4 & C & \multirow[t]{3}{*}{- Psychology (BS) majors are required to take one Life Science course (lecture and lab) and one Physical Science course (lecture and lab) in addition to PSY 290 and the two required general studies science courses.} \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 20-26 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{(4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-A 26-33 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{(4) Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 33-39 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1. PSY 230: Introduction to Statistics (CS) & 3 & C & \multirow[t]{2}{*}{- PSY 230 may not be used to fulfill the CS requirement in the major.} \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline \multicolumn{4}{|l|}{} \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-A 39-46 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. PSY 290: Research Methods (L or SG) & 4 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- PSY 290 may not be used to fulfill the SG requirement in the major but should be used to fulfill the lower division L in general studies. \\
- Develop yourskills.
\end{tabular}} \\
\hline Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-B 46-52 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-A 52-58 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § PSY 330: Statistical Methods (CS) & 3 & C & \multirow[t]{3}{*}{- Psychology courses listed cannot be used to fulfill multiple requirements within the major.} \\
\hline \% Upper Division Social/Developmental Focus Area & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 58-64 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ACO 100: All About Data: Design, Query, and Visualization (CS) OR CIS 105: Computer Applications and Information Technology (CS) & 3 & C & - SBS 300 (3 credit hours) is required for all transfer students in place of ASU \\
\hline Upper Division Elective OR SBS 300: Careers in Psychology & 3 & & \\
\hline Term hours subtotal: & 6 & & - Explore an internship or IGLE international experience. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 6-A 64-70 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division Neuroscience Focus Area & 3 & C & \multirow{3}{*}{\begin{tabular}{l}
- Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in the general studies. \\
- Create yourprofessional online presence.
\end{tabular}} \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 70-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

CRJ 225: Introduction to Criminology (SB) 3
Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in
- Upper division C and G courses used to Language and Culture fufill \(C\). general studies
- Create yourprofessional online presence.
- Upper division C and G courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the C and G requirements in general studies.
addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
6
\begin{tabular}{|c|c|c|c|}
\hline Term 7 - A 76-83 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline In PSY 366: Abnormal Psychology (SB) & 3 & C & \multirow[t]{3}{*}{- Psychology BS majors are required to take one Life Science course (lecture and lab) and one Physical Science course (lecture and lab) in addition to PSY 290 and the two required general studies science courses.} \\
\hline Physical Science Lab Science Requirement & 4 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 83-89 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

Complete 2 courses:
Elective
Elective
6

6
\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 89-96 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Upper Division Neuroscience Focus Area & 3 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Term hours subto & 7 & \\
\hline
\end{tabular}
Term 8 - B 96-102 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 102-108 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
Upper Division Literacy and Critical Inquiry (L)

Upper Division Elective 3
Term hours subtotal: 6
\(\begin{array}{l}\text { Term } 9 \text { - B 108-114 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- The Additional Psychology Courses listed in the track can only apply once in the major and may not be used to fulfill multiple psychology major requirements.

Hide Course List(s)/Track Group(s)
\begin{tabular}{ll} 
Neuroscience Focus Area & Social/Developmental Focus Area
\end{tabular} \begin{tabular}{l} 
Upper Division Psychology Concentration \\
Elective
\end{tabular}

\section*{Notes:}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Social Justice and Human Rights, BA}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASJHRBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 meets this requirement.
- IAS 300 is required by all transfer students in place of NEW 101
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 213-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{(4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. Focus Area Course & 3 & C & - Students select one focus area and complete \\
\hline Historical Awareness (H) & 3 & & 18 credit hours from within that area. \\
\hline Humanities, Arts and Design (HU) & 3 & & - Develop your research skills. \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{4}{|l|}{(4) Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. Focus Area Course & 3 & C & \multirow[t]{2}{*}{- Explore an internship, IGLE international experience, or ASU study abroad.} \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline Complete 3 courses: & 9 & \\
\hline \multicolumn{2}{|l|}{Upper Division Elective} & \\
\hline & Term hours subtotal: 15 & \\
\hline - Select one focus area and comple & credit hours from within that area. & \\
\hline Hide Course List(s)/Track Group(s) & & \\
\hline Materialism, Intersectionality \& Inequality Focus Area & Advocacy \& Social Change Focus Area & Critical Trauma Studies \& Humanitarianism Focus Area \\
\hline AMS 334: Class in America (SB) & AMS 276: U.S. Women's Movements (H \& C) or WST 276: U.S. Women's Movements (H \& C) & AMS 412: Studies in American Politics \& Law \\
\hline \multirow[t]{2}{*}{AFR 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) \& C) or AMS 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) \& C) or ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) \& C) or ETH 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU\() \& \mathrm{C})\)} & ASB 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots Social Movements (SB) & AMS 449: Hate Speech, Manifestos, and Radical Writings (SB \& C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB \& C) or WST 449: Hate Speech, Manifestos, and Radical Writings (SB \& C) \\
\hline & \begin{tabular}{l}
ASB 442: Global Cities (SB \& G) or SBS 460: Global Cities (SB \& G) \\
ASB 447: Citizenship, Nationalism, and
\end{tabular} & \multirow[t]{2}{*}{AMS 469: Abject Bodies and the Politics of Trash (SB \& C) or ETH 469: Abject Bodies and the Politics of Trash (SB \& C) or WST 469: Abject Bodies and the Politics of Trash (SB \& C)} \\
\hline ASB 102: Introduction to Cultural Anthropology (SB \& G) & \multirow[t]{2}{*}{ASB 447: Citizenship, Nationalism, and Identity (SB \& C) or POS 447: Citizenship, Nationalism, and Identity (SB \& C) or SBS 447: Citizenship, Nationalism, and Identity (SB \& C)} & \\
\hline ASB 211: Women in Other Cultures ((HU or SB) \& G) & & \multirow[t]{2}{*}{ASB 356: Central American Studies (SB \& G) or GCU 356: Central American Studies (SB \& G) or SBS 356: Central American Studies (SB \& G) or SOC 356: Central American Studies (SB \& G) or POS 354: Central American Studies (SB \& G)} \\
\hline ASB 340: Migration and Culture (SB \& G) or SOC 328: Migration and Culture (SB \& G) & \begin{tabular}{l}
ASB 494: Everyday Forms of Political \\
Resistance or POS 494: Everyday Forms of Political Resistance or SOC 494: Everyday Forms of Political Resistance
\end{tabular} & \\
\hline ASB 342: Mexico-U.S. Borderlands (SB \& C) or SBS 342: Mexico-U.S. Borderlands (SB \& C) or SOC 342: Mexico-U.S. Borderlands (SB \& C) & \begin{tabular}{l}
IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU) \\
PHI 306: Applied Ethics (HU)
\end{tabular} & ETH 430: Gender on the Borderlands (SB \& G) or LAS 430: Gender on the Borderlands (SB \& G) or WST 430: Gender on the Borderlands (SB \& G) \\
\hline COM 316: Gender and Communication (SB \& C) & POS 210: Political Ideologies (SB) & HST 355: Total War and the Crisis of Modernity (SB \& G \& H) \\
\hline ENG 462: Africana Literature (HU \& G) & \multirow[t]{2}{*}{POS 335: Power and American Democracy or SBS 335: Power and American Democracy} & \multirow[t]{2}{*}{HST 360: The Crusades: Religion \& Conflict in the Middle Ages (SB \& H)} \\
\hline ETH 100: Ethnic and Indigenous Lives (SB \& & & \\
\hline C) & POS 336: Voters in America (SB) & \multirow[t]{2}{*}{HST 404: Conquest and Encounters in Colonial Latin America (L \& G)} \\
\hline ETH 473: Indigenous and Latina/Chicana & POS 350: Comparative Politics (SB \& G) & \\
\hline \begin{tabular}{l}
Representation (SB \& C) or LAS 473: \\
Indigenous and Latina/Chicana Representation
\end{tabular} & POS 434: Media and Politics (SB) & \multirow[t]{2}{*}{HST 430: The Ottoman Empire in the Classical Period} \\
\hline (SB \& C) or WST 473: Indigenous and & POS 437: Women, Power, and Politics (G) & \\
\hline Latina/Chicana Representation (SB \& C) & POS 438: Latino Politics (SB \& C) & HST 454: History of Genocide (G \& H) \\
\hline \multirow[t]{2}{*}{HST 419: 20th Century Chicano/a History (C) or LAS 419: 20th Century Chicano/a History (C)} & POS 446: Democracy (HU) & HST 495: Latin America and the Cold War (L) \\
\hline & POS 470: Law and the Political Order (SB) & IAP 307: Art and War (HU \& G) \\
\hline IAP 464: Media and Diversity (HU \& G) & \multirow[t]{2}{*}{POS 494: The Sociology of Everyday Life or SBS 494: The Sociology of Everyday Life or SOC 494: The Sociology of Everyday Life} & \multirow[b]{2}{*}{IAS 340: Bioethics (HU) or PHI 320: Bioethics (HU)} \\
\hline PHI 360: Business and Professional Ethics (HU) & & \\
\hline
\end{tabular} (HU)

Advocacy \& Social Change Focus Area
AMS 276: U.S. Women's Movements (H \& C) or WST 276: U.S. Women's Movements (H \&

ASB 339: Grassroots Social Movements (SB) or POS 339: Grassroots Social Movements (SB) or SBS 339: Grassroots Social Movements (SB) or SOC 339: Grassroots

ASB 442: Global Cities (SB \& G) or SBS ASB 447: Citizenship, Nationalism, and Identity (SB \& C) or POS 447: Citizenship, Nationalism, and Identity (SB \& C) or SBS 447: Citizenship, Nationalism, and Identity

ASB 494: Everyday Forms of Political Resistance or POS 494: Everyday Forms of Political Resistance or SOC 494: Everyday Forms of Political Resistance

IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)

PHI 306: Applied Ethics (HU)

POS 210: Political Ideologies (SB)

POS 335: Power and American Democracy or SBS 335: Power and American Democracy

POS 336: Voters in America (SB)

POS 350: Comparative Politics (SB \& G)

POS 434: Media and Politics (SB)

POS 437: Women, Power, and Politics (G)

POS 438: Latino Politics (SB \& C)

POS 446: Democracy (HU)

POS 470: Law and the Political Order (SB)

POS 494: The Sociology of Everyday Life or SOC 494: The Sociology of Everyday Life

Critical Trauma Studies \& Humanitarianism Focus Area

AMS 412: Studies in American Politics \& Law

AMS 449: Hate Speech, Manifestos, and Radical Writings (SB \& C) or ETH 449: Hate Speech, Manifestos, and Radical Writings (SB \& C) or WST 449: Hate Speech, Manifestos, and Radical Writings (SB \& C)

AMS 469: Abject Bodies and the Politics of Trash (SB \& C) or ETH 469: Abject Bodies and the Politics of Trash (SB \& C) or WST 469: Abject Bodies and the Politics of Trash (SB \&

ASB 356: Central American Studies (SB \& G) or GCU 356: Central American Studies (SB \& G) or SBS 356: Central American Studies (SB G) or SOC 356: Central American Studie (SB \& G) or POS 354: Central American udies (SB \& G)

ETH 430: Gender on the Borderlands (SB \& G) or LAS 430: Gender on the Borderlands (SB \& G) or WST 430: Gender on the

HST 355: Total War and the Crisis of Modernity (SB \& G \& H)

HST 360: The Crusades: Religion \& Conflict in the Middle Ages (SB \& H)

HST 404: Conquest and Encounters in Colonial Latin America (L \& G)

HST 430: The Ottoman Empire in the Classical Period

HST 454: History of Genocide (G \& H)

HST 495: Latin America and the Cold War
. Art and War (HU \& G Bioethics (HU)
\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
POS 160: Global Politics (SB \& G) or POS \\
360: World Politics (SB \& G)
\end{tabular} & SOC 334: Technology and Society (L or SB) & LAS 355: Contemporary Mexican Cinema: Changing Cartographies \\
\hline POS 464: Border Cities: Action Research on Globalization (SB \& G) & SOC 456: Political Sociology & LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to \\
\hline POS 486: International Political Economy (SB \& G) & & \begin{tabular}{l}
Reconciliation (HU \& G) or SPA 481: \\
Dictatorships and Dirty Wars: Latin American \\
Cinema from Resistance to Reconciliation
\end{tabular} \\
\hline SOC 241: Modern Social Problems (SB) & & (HU \& G) \\
\hline SOC 264: Gender and Society (SB \& C) & & NEW 300: International Cities \\
\hline SOC 270: Racial and Ethnic Relations (SB \& & & PHI 494: Trauma Studies \\
\hline C) & & POS 436: Gender, Sexuality, Nation-States \\
\hline SOC 426: Social Inequality (SB) & & POS 454: Mexico (SB \& G) \\
\hline WST 100: Women, Gender, and Society (SB \& C) & & POS 456: Latin American Cities (SB \& G) \\
\hline & & POS 480: Global Justice (G) or SBS 480: Global Justice (G) \\
\hline & & POS 484: Asylum Greece or SOC 484: Asylum Greece \\
\hline & & SOC 331: Environmental Sociology (SB \& G) \\
\hline & & WST 305: Poverty and Global Health ((L or SB) \& G) \\
\hline & & WST 333: Critical Perspectives on Sexuality (SB \& C) \\
\hline & & WST 385: Psychology of Gender (SB) \\
\hline & & WST 444: Gender, Health, and Bodies (SB) \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Social and Behavioral Sciences, BA
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASSBSBA
\begin{tabular}{|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline Introductory Social and Behavioral Science Course AND Social-Behavioral Sciences (SB) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 117: College Algebra (MA) OR MAT 119: Finite Mathematics (MA) OR MAT 142: College Mathematics (MA) OR MAT 170: Precalculus (MA) & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Term hours sub & 13 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- Students that select Individual and Behavior theme must complete PSY 230 which requires successful completion of MAT 119 or MAT 170 or higher level math course. MAT 142 is not considered a higher level of math course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 ( 3 credits) is required for all transfer students in place of NEW 101.
- Select career interest areas and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 13-29 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
(1. Complete 2 courses: \\
Related Electives Course
\end{tabular} & 6 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3-44 Credit Hours Critical course signified by \({ }^{\text {2 }}\) & Hours & Minimum Grade & Notes \\
\hline \(1{ }^{1}\) SBS 200: Introduction to Social and Behavioral Sciences (SB) & 3 & C & \multirow[t]{5}{*}{- Develop your skills.} \\
\hline 1. SBS 304: Social Statistics I (CS) & 3 & C & \\
\hline Thematic Coursework & 3 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 444-60 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods & 3 & C & \multirow{6}{*}{- Explore an internship, IGLE international experience or ASU study abroad.} \\
\hline Thematic Coursework & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SBS 301: Cultural Diversity ((L or SB) \& C) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Complete 2 courses: Elective & 6 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 6 75-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \$ SBS 484: Internship OR SBS 498: Pro-Seminar (L) & 3 & C & \multirow[t]{6}{*}{- Use Handshake to research employment opportunities.} \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multirow[t]{2}{*}{Term 790-105 Credit Hours Necessary course signified by} & \multicolumn{2}{|l|}{\(: 15\)} & \\
\hline & Hours & Minimum Grade & Notes \\
\hline U Upper Division Related Electives Course & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Thematic Coursework
\end{tabular} & 6 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition
\end{tabular} & 3 & C & \\
\hline
\end{tabular} to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

- - Thematic Coursework (15 credit hours, 9 credit hours must be upper division). All courses must be selected from a single theme area. Themes include Individual and Behavior, Individual and Community, Individual and Culture, Individual and Family, Individual and Society.
- Related Electives, Related Fields, Experiential Coursework, and Study Abroad: Students may use courses from any of the following prefixes: ASB, COM, JHR, POS, PSY, SBS, or SOC. Internships, Supervised Research and Individualized Instruction are limited to six credit hours which may be applied toward the major. Up to three credit hours of study abroad or international internship courses relevant to the major may be applied to the degree, upon academic advisor approval.
- Students that select Individual and Behavior theme must complete PSY 230 which requires successful completion of MAT 119 or MAT 170 or higher level math course. MAT 142 is not considered a higher level of math course.
- Choose electives in consultation with an academic advisor in order to meet prerequisite requirements for courses in terms 5-8.
Hide Course List(s)/Track Group(s)
\begin{tabular}{l} 
Introductory Social and Behavioral Science \\
Course
\end{tabular}
\begin{tabular}{l} 
ASB 102: Introduction to Cultural \\
Anthropology (SB \& G)
\end{tabular}
\begin{tabular}{l} 
PSY 304: Effective Thinking (L) \\
COM 100: Introduction to Human \\
Communication (SB)
\end{tabular}
\begin{tabular}{ll} 
PSY 320: Learning and Motivation
\end{tabular}
Human Rights (SB \& G)
PSY 323: Sensation and Perception
POS 110: American Government and Politics
(SB)

Theme: Individual and Community
ASB 340: Migration and Culture (SB \& G) or SOC 328: Migration and Culture (SB \& G)

ASB 389: Ethnographic Field Lab or SBS 389: Ethnographic Field Lab or SOC 389: Ethnographic Field Lab

ASB 442: Global Cities (SB \& G) or SBS 460: Global Cities (SB \& G)

ASB 494: The Sociology of Everyday Life or COM 494: The Sociology of Everyday Life or POS 494: The Sociology of Everyday Life or SOC 494: The Sociology of Everyday Life or SBS 494: The Sociology of Everyday Life

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 316: Gender and Communication (SB \& C)

COM 319: Persuasion and Social Influence (SB)

POS 150: Comparative Government (SB \& G)
POS 350: Comparative Politics (SB \& G)
POS 357: South Asia Politics (SB \& G)
POS 442: American Political Thought (HU)
PSY 370: Interpersonal Relationships (SB)

\section*{Theme: Individual and Culture}

ASB 211: Women in Other Cultures ((HU or SB) \& G)

ASB 311: Principles of Social Anthropology (SB \& G \& H)

ASB 340: Migration and Culture (SB \& G) or SOC 328: Migration and Culture (SB \& G)

ASB 342: Mexico-U.S. Borderlands (SB \& C) or SBS 342: Mexico-U.S. Borderlands (SB \& C) or SOC 342: Mexico-U.S. Borderlands (SB \& C)

ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G) or SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G)

COM 463: Intercultural Communication in a Global Context (SB \& G)

FAS 370: Family Ethnic and Cultural Diversity (SB \& C)

PSY 306: Environmental Psychology (SB)

WST 457: Women, Cultures, and Societies (SB \& G)

\section*{Theme: Individual and Family}

ASB 340: Migration and Culture (SB \& G) or SOC 328: Migration and Culture (SB \& G)

ASB 342: Mexico-U.S. Borderlands (SB \& C) or SBS 342: Mexico-U.S. Borderlands (SB \& C) or SOC 342: Mexico-U.S. Borderlands (SB \& C)

ASB 346: Marriage and Family Diversity (SB \& C)

ASB 353: Death and Dying in Cross-Cultural Perspective \(((\mathrm{HU}\) or SB) \& G) or SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G)

ASB 374: Cultures and Politics of the Internet (SB) or POS 374: Cultures and Politics of the Internet (SB) or SBS 374: Cultures and Politics of the Internet (SB) or SOC 374: Cultures and Politics of the Internet (SB)

ASB 389: Ethnographic Field Lab or SBS 389: Ethnographic Field Lab or SOC 389: Ethnographic Field Lab

ASB 442: Global Cities (SB \& G) or SBS 460: Global Cities (SB \& G)

CDE 232: Human Development (SB)
COM 411: Communication in the Family (SB)
FAS 301: Introduction to Parenting
FAS 331: Marriage and Family Relationships (SB)

FAS 431: Parent-Adolescent Relationships (SB)

FAS 435: Advanced Marriage and Family Relationships (L or SB)

PSY 341: Developmental Psychology (SB)
PSY 443: Abnormal Child Psychology (L or SB)

SBS 430: Everyday Forms of Political Resistance

SOC 315: Courtship and Marriage (SB)

\section*{Theme: Individual and Society}

ASB 340: Migration and Culture (SB \& G) or SOC 328: Migration and Culture (SB \& G)

ASB 374: Cultures and Politics of the Internet (SB) or POS 374: Cultures and Politics of the Internet (SB) or SBS 374: Cultures and Politics of the Internet (SB) or SOC 374: Cultures and Politics of the Internet (SB)

ASB 389: Ethnographic Field Lab or SBS 389: Ethnographic Field Lab or SOC 389: Ethnographic Field Lab

ASB 442: Global Cities (SB \& G) or SBS 460: Global Cities (SB \& G)

ASB 447: Citizenship, Nationalism, and Identity (SB \& C) or POS 447: Citizenship, Nationalism, and Identity (SB \& C) or SBS 447: Citizenship, Nationalism, and Identity (SB \& C)

ASB 494: The Sociology of Everyday Life or COM 494: The Sociology of Everyday Life or POS 494: The Sociology of Everyday Life or SBS 494: The Sociology of Everyday Life or SOC 494: The Sociology of Everyday Life

COM 421: Rhetoric of Social Issues (HU)
JHR 100: Introduction to Social Justice and Human Rights (SB \& G)

JHR 305: Theory and Practice of Social Justice and Human Rights (SB \& G)

POS 110: American Government and Politics (SB)

POS 150: Comparative Government (SB \& G)
POS 210: Political Ideologies (SB)
POS 350: Comparative Politics (SB \& G)
POS 357: South Asia Politics (SB \& G)
POS 437: Women, Power, and Politics (G)
POS 446: Democracy (HU)
POS 470: Law and the Political Order (SB)
\begin{tabular}{lll} 
& SOC 352: Social Change (SB \& G \& H) & POS 480: Global Justice (G) or SBS 480: \\
Global Justice (G)
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Social and Behavioral Sciences, BS
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASSBSBS
\begin{tabular}{|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (1. Introductory Social and Behavioral Science Course AND Social-Behavioral Sciences (SB) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 117: College Algebra (MA) OR MAT 119: Finite Mathematics (MA) OR MAT 142: College Mathematics (MA) OR MAT 170: Precalculus (MA) & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Term hours subtotal: & 13 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- Students that select Individual and Behavior theme must complete PSY 230 which requires successful completion of MAT 119 or MAT 170 or higher level math course. MAT 142 is not considered a higher level of math course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 ( 3 credits) is required for all transfer students in place of NEW 101.
- Select career interest areas and play me3@ASU.

\begin{tabular}{|c|c|c|}
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline (4. SBS 303: Quantitative Methods & 3 & C \\
\hline (4. Thematic Coursework & 3 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal & 16 & \\
\hline
\end{tabular}
\begin{tabular}{l} 
Term 5 60-75 Credit Hours Necessary course signified by \\
\hline SBS 301: Cultural Diversity ( \((\) L or SB) \& C) \\
\hline SBS 302: Qualitative Methods \\
\hline Minimum \\
Grade
\end{tabular}

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Adult Career 3 Development (L or SB)

Complete 2 courses: \(\qquad\)
Term hours subtotal:
15
Term 6 75-90 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used; *.

Complete 2 courses:
Elective
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G)
AND Historical Awareness (H) course(s).
Term hours subtotal:
15
Term 790 - 105 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes or four (4) sequential semesters of one foreign language or two (2)

- - Thematic Coursework (15 credit hours, 9 credit hours must be upper division). All courses must be selected from a single theme area. Themes include Individual and Behavior, Individual and Community, Individual and Culture, Individual and Family, Individual and Society.
- Related Electives, Related Fields, Experiential Coursework, and Study Abroad: Students may use courses from any of the following prefixes: ASB, COM, JHR, POS, PSY, SBS, or SOC. Internships, Supervised Research and Individualized Instruction are limited to six credit hours which may be applied toward the major. Up to three credit hours of study abroad or international internship courses relevant to the major may be applied to the degree, upon academic advisor approval
- Students that select Individual and Behavior theme must complete PSY 230 which requires successful completion of MAT 119 or MAT 170 or higher level math course. MAT 142 is not considered a higher level of math course.
- Choose electives in consultation with an academic advisor in order to meet prerequisite requirements for courses in terms 5-8.
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{Introductory Social and Behavioral Science Course} & Theme: Individual and Behavior \\
\hline & PSY 304: Effective Thinking (L) \\
\hline ASB 102: Introduction to Cultural Anthropology (SB \& G) & PSY 320: Learning and Motivation \\
\hline \multirow[t]{2}{*}{COM 100: Introduction to Human Communication (SB)} & PSY 323: Sensation and Perception \\
\hline & PSY 324: Memory and Cognition \\
\hline JHR 100: Introduction to Social Justice and Human Rights (SB \& G) & PSY 325: Physiological Psychology \\
\hline \multirow[b]{2}{*}{POS 110: American Government and Politics (SB)} & PSY 366: Abnormal Psychology (SB) \\
\hline & PSY 369: Biology of Human Sexuality \\
\hline PSY 101: Introduction to Psychology (SB) & SOC 340: The Sociology of Deviance (SB) \\
\hline SOC 101: Introductory Sociology (SB) & SOC 360: Sociological Psychology (SB) \\
\hline SOS 111: Sustainable Cities ((HU or SB) \& G) & \\
\hline
\end{tabular}

Theme: Individual and Community
ASB 340: Migration and Culture (SB \& G) or SOC 328: Migration and Culture (SB \& G)

ASB 389: Ethnographic Field Lab or SBS
389: Ethnographic Field Lab or SOC 389: Ethnographic Field Lab

ASB 442: Global Cities (SB \& G) or SBS 460: Global Cities (SB \& G)

ASB 494: The Sociology of Everyday Life or COM 494: The Sociology of Everyday Life or POS 494: The Sociology of Everyday Life or SBS 494: The Sociology of Everyday Life or SOC 494: The Sociology of Everyday Life

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 316: Gender and Communication (SB \& C)

COM 319: Persuasion and Social Influence (SB)

COM 353: Professional Communication
POS 150: Comparative Government (SB \& G)
POS 350: Comparative Politics (SB \& G)
POS 357: South Asia Politics (SB \& G)
POS 442: American Political Thought (HU)
PSY 370: Interpersonal Relationships (SB)

\section*{Theme: Individual and Culture}

ASB 211: Women in Other Cultures ((HU or SB) \& G)

ASB 311: Principles of Social Anthropology (SB \& G \& H)

ASB 340: Migration and Culture (SB \& G) or SOC 328: Migration and Culture (SB \& G)

ASB 342: Mexico-U.S. Borderlands (SB \& C) or SBS 342: Mexico-U.S. Borderlands (SB \& C) or SOC 342: Mexico-U.S. Borderlands (SB \& C)

ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G) or SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G)

COM 463: Intercultural Communication in a Global Context (SB \& G)

FAS 370: Family Ethnic and Cultural Diversity (SB \& C)

PSY 306: Environmental Psychology (SB)

WST 457: Women, Cultures, and Societies (SB \& G)

\section*{Theme: Individual and Family}

ASB 340: Migration and Culture (SB \& G) or SOC 328: Migration and Culture (SB \& G)

ASB 342: Mexico-U.S. Borderlands (SB \& C) or SBS 342: Mexico-U.S. Borderlands (SB \& C) or SOC 342: Mexico-U.S. Borderlands (SB \& C)

ASB 346: Marriage and Family Diversity (SB \& C)

ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G) or SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G)

ASB 374: Cultures and Politics of the Internet (SB) or POS 374: Cultures and Politics of the Internet (SB) or SBS 374: Cultures and Politics of the Internet (SB) or SOC 374: Cultures and Politics of the Internet (SB)

ASB 389: Ethnographic Field Lab or SBS 389: Ethnographic Field Lab or SOC 389: Ethnographic Field Lab

ASB 442: Global Cities (SB \& G) or SBS 460: Global Cities (SB \& G)

CDE 232: Human Development (SB)
COM 411: Communication in the Family (SB)
FAS 301: Introduction to Parenting
FAS 331: Marriage and Family Relationships (SB)

FAS 431: Parent-Adolescent Relationships (SB)

FAS 435: Advanced Marriage and Family Relationships (L or SB)

PSY 341: Developmental Psychology (SB)
PSY 443: Abnormal Child Psychology (L or SB)

Theme: Individual and Society
ASB 340: Migration and Culture (SB \& G) or SOC 328: Migration and Culture (SB \& G)

ASB 374: Cultures and Politics of the Internet (SB) or POS 374: Cultures and Politics of the Internet (SB) or SBS 374: Cultures and Politics of the Internet (SB) or SOC 374: Cultures and Politics of the Internet (SB)

ASB 389: Ethnographic Field Lab or SBS
389: Ethnographic Field Lab or SOC 389: Ethnographic Field Lab

ASB 442: Global Cities (SB \& G) or SBS 460: Global Cities (SB \& G)

ASB 447: Citizenship, Nationalism, and Identity (SB \& C) or POS 447: Citizenship, Nationalism, and Identity (SB \& C) or SBS 447: Citizenship, Nationalism, and Identity (SB \& C)

ASB 494: The Sociology of Everyday Life or COM 494: The Sociology of Everyday Life or POS 494: The Sociology of Everyday Life or SBS 494: The Sociology of Everyday Life or SOC 494: The Sociology of Everyday Life

COM 421: Rhetoric of Social Issues (HU)
JHR 100: Introduction to Social Justice and Human Rights (SB \& G)

JHR 305: Theory and Practice of Social Justice and Human Rights (SB \& G)

POS 110: American Government and Politics (SB)

POS 150: Comparative Government (SB \& G)
POS 210: Political Ideologies (SB)
POS 350: Comparative Politics (SB \& G)
POS 357: South Asia Politics (SB \& G)
POS 437: Women, Power, and Politics (G)

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\author{
2018-2019 Major Map \\ Social and Cultural Analysis (American Studies), BA \\ School/College: New College of Interdisciplinary Arts and Sciences \\ Location: West campus \\ ASSCAASBA
}
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
(1. ENG 105: Advanced First-Year Composition OR

ENG 107 or ENG 108: First-Year Composition
MAT 142: College Mathematics (MA)
NEW 101: The ASU New College Experience
Computer/Statistics/Quantitative Applications (CS) 3
Global Awareness (G)
3
C 3

Elective 3
Term hours subtotal: 16
- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 is required for all transfer students in place of NEW 101.
- Select your career interest areaand play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in term 3 depending on course availability. Please \\
\hline AMS 201: Introduction to American Studies (L \& C) OR ETH 100: Ethnic and Indigenous Lives (SB \& C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB \& C) & 3 & C & speak with academic advisor. \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 332-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline HRC 200: Introduction to Social and Cultural Analysis (SB \& C) & 3 & C & \multirow{3}{*}{- Develop your skills} \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline (1) Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s). & & & \\
\hline \multicolumn{4}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{4}{|l|}{Complete First-Year Composition requirement.} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4. American Studies Concentration Course & 3 & C & \multirow[t]{2}{*}{- Explore an internship, study abroad, or IGLE experience.} \\
\hline Historical Awareness (H) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% HRC 310: Social and Cultural Studies: Method and Theory (C) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- HRC 310 (C) fulfills 3 credit hours of th New College Language and Cultures requirement. \\
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Develop your professional online presence
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division American Studies Concentration Course
\end{tabular} & 6 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division American Studies Concentration Course
\end{tabular} & 6 & C & - Use Handshake to research employment opportunities \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete 2 courses:
\[
6
\] \\
Upper Division Elective
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) \\
AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division American Studies Concentration Course & 3 & C & \\
\hline Upper Division Elective OR HRC 484: Internship & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete 3 courses: \\
Elective
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline H HRC 480: Capstone: Practices and Approaches (L) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division American Studies Concentration Course
\end{tabular} & 6 & C & \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- For Area of Concentration, students will choose eight (8) courses (24 credit hours).

Hide Course List(s)/Track Group(s)
American Studies Concentration
AMS 201: Introduction to American Studies (L \& C)

AMS 276: U.S. Women's Movements (H \& C)
AMS 326: Popular Culture
AMS 330: American Lives (HU \& C)
AMS 334: Class in America (SB)

AMS 335: American Biography

AMS 336: The American Southwest in
Literature and Film ((L or HU) \& C)

AMS 353: African American Literature:
Beginnings through the Harlem Renaissance ((L or HU) \& C)

AMS 354: African American Literature:
Harlem Renaissance to the Present ((L or HU)
\& C)

AMS 380: Race, Gender, and Class (SB \& C)

AMS 412: Studies in American Politics \& Law

AMS 428: Chicano Cultures in the Southwest (SB)

AMS 449: Hate Speech, Manifestos, and Radical Writings (SB \& C)

AMS 450: Latina/os, Schooling and Social Inequality (C)

AMS 469: Abject Bodies and the Politics of Trash (SB \& C)

HST 419: 20th Century Chicano/a History (C)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASSCAERBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
(1. ENG 105: Advanced First-Year Composition OR

ENG 107 or ENG 108: First-Year Composition
MAT 142: College Mathematics (MA)
NEW 101: The ASU New College Experience
Computer/Statistics/Quantitative Applications (CS)
Global Awareness (G)
3
C

Elective

C

1
3
3

3
16
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 is required for all transfer students in place of NEW 101.
- Select your career interest areaand play me3@ASU.



- For Area of Concentration, students will choose eight (8) courses (24 credit hours).


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\author{
2018-2019 Major Map \\ Social and Cultural Analysis (Latin American Studies), BA \\ School/College: New College of Interdisciplinary Arts and Sciences \\ Location: West campus \\ ASSCALABA
}
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
(1. ENG 105: Advanced First-Year Composition OR

ENG 107 or ENG 108: First-Year Composition
MAT 142: College Mathematics (MA)
NEW 101: The ASU New College Experience 1

Computer/Statistics/Quantitative Applications (CS) 3

Global Awareness (G) 3

Elective 3
Term hours subtotal: 16
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 is required for all transfer students in place of NEW 101.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|l|l|l|l|}
\hline Term 216-32 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
1 ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
AMS 201: Introduction to American Studies (L \& C) OR ETH 100:
Ethnic and Indigenous Lives (SB \& C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB \& C)

Humanities, Arts and Design (HU) 3
Natural Science - Quantitative (SQ) 4
Elective 3
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal: 16
- Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in term 3 depending on course availability. Please speak with academic advisor
\begin{tabular}{|c|c|c|c|}
\hline Term 3-42-48 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline HRC 200: Introduction to Social and Cultural Analysis (SB \& C) & 3 & C & \multirow{8}{*}{- Develop your skills} \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s). & & & \\
\hline 1. Complete Mathematics (MA) requirement. & & & \\
\hline \multicolumn{3}{|l|}{Complete First-Year Composition requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- For Area of Concentration, students will choose eight (8) courses (24 credit hours).

Hide Course List(s)/Track Group(s)
Latin American Studies Concentration
HST 305: Studies in Latin American History (SB \& H)

HST 375: Colonial Latin America (SB \& H)
HST 376: Modern Latin America (SB \& H)

HST 404: Conquest and Encounters in Colonial Latin America (L \& G)

HST 441: Latin America and the World Economy (L \& G \& H)

LAS 205: Deep Roots: Latin America (HU \& G)

LAS 206: Locating Latin
America:Interdisciplinary Methods

LAS 330: From the Inside: The Latin American Journey (HU)

LAS 340: Latin American Women Writers

LAS 350: The Construction of a Nation: Chile in the 20th/21st Century

LAS 351: Cityscapes: Urban Mexican
Literature and Culture

LAS 355: Contemporary Mexican Cinema: Changing Cartographies

LAS 419: 20th Century Chicano/a History (C)

LAS 428: Chicano Cultures in the Southwest (SB)

LAS 430: Gender on the Borderlands (SB \& G)

LAS 450: Latina/os, Schooling and Social Inequality (C)

LAS 471: Treaties and Cultural Production in Spain and the Americas

LAS 473: Indigenous and Latina/Chicana Representation (SB \& C)

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU \& G)

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ Total College Residency Hrs: 12 minimum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Social and Cultural Analysis (Peace Studies), BA
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASSCAPSBA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
(1. ENG 105: Advanced First-Year Composition OR

ENG 107 or ENG 108: First-Year Composition
MAT 142: College Mathematics (MA
NEW 101: The ASU New College Experience
Computer/Statistics/Quantitative Applications (CS)
Global Awareness (G) 3
Elective 3
Term hours subtotal: 16
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 is required for all transfer students in place of NEW 101.
- Select your career interest area and play me3@ASU

\begin{tabular}{|c|c|c|c|}
\hline Peace Studies Concentration Course & 3 & C & \multirow[t]{2}{*}{- Explore an internship, study abroad, or IGLE experience.} \\
\hline Historical Awareness (H) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 5 63-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 2 HRC 310: Social and Cultural Studies: Method and Theory (C) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- HRC 310 (C) fulfills 3 credit hours of the New College Language and Cultures requirement. \\
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Develop your professional online presence
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Peace Studies Concentration Course
\end{tabular} & 6 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Peace Studies Concentration Course
\end{tabular} & 6 & C & - Use Handshake to research employment opportunities \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline Upper Division Peace Studies Concentration Course & 3 & C & \\
\hline Upper Division Elective OR HRC 484: Internship & 3 & & \\
\hline \multicolumn{3}{|l|}{Elective} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HRC 480: Capstone: Practices and Approaches (L) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Peace Studies Concentration Course
\end{tabular} & 6 & C & \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- For Area of Concentration, students will choose eight (8) courses (24 credit hours).

Hide Course List(s)/Track Group(s)
Peace Studies Concentration
AMS 276: U.S. Women's Movements (H \& C) or WST 276: U.S. Women's Movements (H \& C)

ASB 339: Grassroots Social Movements (SB)
or SBS 339: Grassroots Social Movements
(SB) or SOC 339: Grassroots Social
Movements (SB)

ENG 312: English in its Social Setting (L or HU or SB)

ENG 456: Studies in Forensic Linguistics or PAX 456: Studies in Forensic Linguistics or FOR 456: Studies in Forensic Linguistics

HST 454: History of Genocide (G \& H)
IAP 307: Art and War (HU \& G)
IAS 406: Moral Dilemmas (L or HU) or PHI 406: Moral Dilemmas (L or HU)

PAX 230: Introduction to Peace Studies (G)
PHI 306: Applied Ethics (HU)
POS 480: Global Justice (G) or SBS 480:
Global Justice (G)
REL 381: Religion and Moral Issues (L or \(\mathrm{HU})\)

SOC 241: Modern Social Problems (SB)

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ Total College Residency Hrs: 12 minimum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Social and Cultural Analysis (Queer and Sexuality Studies), BA
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASSCAQSBA
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
(1. ENG 105: Advanced First-Year Composition OR

ENG 107 or ENG 108: First-Year Composition
MAT 142: College Mathematics (MA)
NEW 101: The ASU New College Experience
Computer/Statistics/Quantitative Applications (CS)
Global Awareness (G)
3
C

Elective
3
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 is required for all transfer students in place of NEW 101
- Select your career interest area and play me3@ASU.

\begin{tabular}{|c|c|c|c|}
\hline 4.1 Queer and Sexuality Studies Concentration Course & 3 & C & \multirow[t]{2}{*}{- Explore an internship, study abroad, or IGLE experience.} \\
\hline Historical Awareness (H) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline H HRC 310: Social and Cultural Studies: Method and Theory (C) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- HRC 310 (C) fulfills 3 credit hours of th New College Language and Cultures requirement. \\
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Queer and Sexuality Studies Concentration Course
\end{tabular} & 6 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Queer and Sexuality Studies Concentration Course
\end{tabular} & 6 & C & - Use Handshake to research employment opportunities \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division
\end{tabular}} & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Queer and Sexuality Studies Concentration Course & 3 & C & \\
\hline Upper Division Elective OR HRC 484: Internship & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete 3 courses: \\
Elective
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline H HRC 480: Capstone: Practices and Approaches (L) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Queer and Sexuality Studies Concentration Course
\end{tabular} & 6 & C & \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- For Area of Concentration, students will choose eight (8) courses (24 credit hours).

Hide Course List(s)/Track Group(s)
Queer and Sexuality Studies Concentration
AMS 276: U.S. Women's Movements (H \& C) or WST 276: U.S. Women's Movements (H \& C)

HST 363: Sex and Society in Early Modern
Europe ((HU or SB) \& H)

SWU 180: Introduction to Lesbian, Gay,
Bisexual and Transgender (LGBT) Studies
(SB \& C)

WST 100: Women, Gender, and Society (SB
\& C) or WST 300: Women and Gender in
Contemporary Society (SB \& C)
WST 333: Critical Perspectives on Sexuality (SB \& C)

WST 376: Feminist Theory (H \& C)
WST 380: Race, Gender, and Class (SB \& C)
WST 385: Psychology of Gender (SB)
WST 444: Gender, Health, and Bodies (SB)
WST 449: Hate Speech, Manifestos, and
Radical Writings (SB \& C)
WST 469: Abject Bodies and the Politics of Trash (SB \& C)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Social and Cultural Analysis (Women and Gender Studies), BA
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASSCAWSBA

```
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
(1. ENG 105: Advanced First-Year Composition OR

ENG 107 or ENG 108: First-Year Composition
MAT 142: College Mathematics (MA)
NEW 101: The ASU New College Experience
3
C
\(1 .\).
Computer/Statistics/Quantitative Applications (CS) 3
Global Awareness (G) 3
Elective 3
Term hours subtotal: 16
- An SAT, ACT, Accuplacer, ILETS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 is required for all transfer students in place of NEW 101.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - WST 100 suggested, as it is the prerequisite to many concentration \\
\hline AMS 201: Introduction to American Studies (L \& C) OR ETH 100: Ethnic and Indigenous Lives (SB \& C) OR PAX 230: Introduction to Peace Studies (G) OR WST 100: Women, Gender, and Society (SB \& C) & 3 & C & - Students may elect to take AMS 201, ETH 100, PAX 230, or WST 100 in term 3 depending on course availability. Please speak with academic advisor. \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline HRC 200: Introduction to Social and Cultural Analysis (SB \& C) & 3 & C & \multirow{3}{*}{- Develop your skills} \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline 4. Complete AMS 201 OR ETH 100 OR PAX 230 OR WST 100 course(s). & & & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline \multicolumn{3}{|l|}{Complete First-Year Composition requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4 Women and Gender Studies Concentration Course & 3 & C & \multirow[t]{2}{*}{- Explore an internship, study abroad, or IGLE experience.} \\
\hline Historical Awareness (H) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% HRC 310: Social and Cultural Studies: Method and Theory (C) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- HRC 310 (C) fulfills 3 credit hours of the New College Language and Cultures requirement. \\
- IAS 300 (3 credit hours) is required for all transfer students. \\
- Develop you professional online presence.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Women and Gender Studies Concentration Course
\end{tabular} & 6 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) OR IAS 300: Adult Career Development (L or SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Women and Gender Studies Concentration Course
\end{tabular} & 6 & C & - Use Handshake to research employment opportunities \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete 2 courses:
\[
6
\] \\
Upper Division Elective
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) \\
AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division Women and Gender Studies Concentration Course & 3 & C & \\
\hline Upper Division Elective OR HRC 484: Internship & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete 3 courses: \\
Elective
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline H HRC 480: Capstone: Practices and Approaches (L) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Women and Gender Studies Concentration Course
\end{tabular} & 6 & C & \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- For Area of Concentration, students will choose eight (8) courses (24 credit hours).


\section*{General University Requirements Legend}

General Studies Core Requirements:
\begin{tabular}{ll} 
Cumulative GPA: 2.00 minimum & \(\bullet\) Literacy and Critical Inquiry (L) \\
Total hrs at ASU: 30 minimum & \(\bullet\) Mathematical Studies (MA) \\
Hrs Resident Credit for & \(\bullet\) Computer/Statistics/Quantitative Applications (CS) \\
Academic Recognition: 56 minimum & \(\bullet\) Humanities, Arts and Design (HU) \\
Total Community College Hrs: 64 maximum & \(\bullet\) Social-Behavioral Sciences (SB) \\
Total College Residency Hrs: 12 minimum & \(\bullet\) Natural Science - Quantitative (SQ) \\
& \(\bullet\) Natural Science - General (SG)
\end{tabular}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Sociology, BA}

School/College: New College of Interdisciplinary Arts and Sciences Location: West campus, ASU@Lake Havasu
ASSOCBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. SOC 101: Introductory Sociology (SB) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & - ASU 101 or college-specific equivalent First-Year Seminar required of all freshman \\
\hline Elective & 3 & & students. NEW 101 satisfies this requirement. \\
\hline Term hours subtotal: & 13 & & \begin{tabular}{l}
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 13-29 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline 4 SOC Elective & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline
\end{tabular}

Term hours subtotal: 16

\begin{tabular}{|c|c|c|c|}
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4. Related Area Course & 3 & C & \multirow[t]{2}{*}{- Explore an internship, IGLE international experience, or ASU study abroad.} \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline Related Area Course & 3 & C \\
\hline Complete 2 courses: SOC Upper Division Elective & 6 & C \\
\hline
\end{tabular}

Upper Division Language and Cultures: Requirement satisfied through the following:
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies

3 C requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Upper Division Elective
3

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
Term 7 90-105 Credit Hours Necessary course signified by

- For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.
- A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{Sociology, BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASSOCBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. SOC 101: Introductory Sociology (SB) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline NEW 101: The ASU New College Experience & 1 & & First-Year Seminar required of all freshman \\
\hline Elective & 3 & & students. NEW 101 satisfies this requirement. \\
\hline Term hours subtotal: & 13 & & \begin{tabular}{l}
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 213-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) SOC Elective & 3 & C & \multirow{7}{*}{- For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \multicolumn{3}{|l|}{(4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. Related Area Course & 3 & C & \multirow[t]{5}{*}{- Develop your skills.} \\
\hline Historical Awareness (H) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{(1) Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{(4) Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) Complete 2 courses: Related Area Course & 6 & C & - Explore an internship, IGLE international experience, or ASU study abroad. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Global Awareness (G) & 3 & 3 \\
\hline Elective & 3 & 3 \\
\hline & Term hours subtotal: 15 & 5 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- IAS 300 (3 credit hours) is required for all transfer students.
- For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.
- A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.
- Develop your professional online presence.
\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SBS 302: Qualitative Methods & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS. \\
- A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
SOC Upper Division Elective
\end{tabular} & 6 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies
\end{tabular} & 3 & C & \\
\hline
\end{tabular}
- Use Handshake to research employment opportunities. or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
Elective

3

Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). Term hours subtotal:

15
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline S SOC Upper Division Elective & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS. \\
- A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.
\end{tabular}} \\
\hline Related Area Course & 3 & C & \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular} & 3 & C & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline Term hours subtotal: & : 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

SOC 483: History of Social Thought (SB) OR SOC 486:
Contemporary Theory (SB)
SOC Upper Division Elective
3
- For SOC electives, in addition to the SOC prefix, other relevant courses may be chosen
Upper Division Elective OR SOC 484: Internship
Complete 2 courses:
Elective
Hide Course List(s)/Track Group(s)
Related Area Courses
ASB Elective
JHR Elective
POS Elective
PSY Elective
SBS Elective
SOC Elective
with advisor approval from the following prefixes: ASB, JHR, POS, PSY and SBS.
- A maximum of 6 credit hours of SOC 484 or SOC 499 can be used for SOC electives.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASSPABA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. SPA 102: Elementary Spanish & 4 & C & - An SAT, ACT, Accuplacer, IELTS, or TOEFL \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & score determines placement into first-year \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & composition courses. \\
\hline ENG 107 or ENG 108: First-Year Composition & & & - Mathematics Placement Assessment score \\
\hline MAT 142: College Mathematics (MA) & 3 & C & determines placement in mathematics course. \\
\hline NEW 101: The ASU New College Experience & 1 & & \begin{tabular}{l}
- ASU 101 or college-specific equivalent \\
First-Year Seminar required of all freshman
\end{tabular} \\
\hline Natural Science - Quantitative (SQ) & 4 & & students. NEW 101 satisfies this requirement. \\
\hline Term hours subtotal: & 15 & & - IAS 300 ( 3 credits) is required for all transfer students in place of NEW 101. \\
\hline & & & - SPA 101 is for true beginners, is considered introductory, does not count toward the major, and taking it will extend the amount of time to degree completion. See an academic advisor for more information. \\
\hline & & & - Select your career interest area and play me3@ASU. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 215-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) SPA 201: Intermediate Spanish (G) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline (4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 331-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) SPA 202: Intermediate Spanish (G) & 4 & C & - Develop your skills. \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline (4) Complete First-Year Composition requirement. & & & \\
\hline (4) Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline (-) SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Spanish Conversation and Composition for Bilinguals (C) & 3 & C \\
\hline Related Area Elective & 3 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
Term 5 60-75 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|}
\hline Wpper Division Spanish Culture and Civilization Course & 3 C \\
\hline Wpper Division Spanish Literature Course & C \\
\hline Related Area Elective & 3 C \\
\hline Upper Division Elective & 3 \\
\hline Elective & 3 \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & \\
\hline
\end{tabular}
- Explore an internship or IGLE international experience.
all transfer students
Develop your professional online presence.
- Use Handshake to research employment opportunities.
Term 790 - 105 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
Term 8 105-120 Credit Hours Necessary course signified by
Hewrs
Minimum
Grade
- \(\quad\) Literature: choose 12 hours (four courses)
- Culture and Civilization: choose 9 hours (three courses). Courses taught in English will require all written work in Spanish for major credit.
- Related Area Electives: total of 12 hours (4 courses). Choose from SPA, LAS or Related Area Electives List. Other courses must be approved by an academic advisor.
- No course may be used to satisfy more than one of these requirements. Other courses must be approved by an academic advisor.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Related Area Electives & \multirow[t]{2}{*}{Upper Division Spanish Culture and Civilization} & Upper Division Spanish Literature \\
\hline \multirow[t]{2}{*}{AMS 428: Chicano Cultures in the Southwest (SB)} & & LAS 340: Latin American Women Write \\
\hline & \multirow[t]{2}{*}{LAS 355: Contemporary Mexican Cinema: Changing Cartographies} & LAS 351: Cityscapes: Urban Mexican \\
\hline \multirow[t]{3}{*}{ASB 356: Central American Studies (SB \& G) or GCU 356: Central American Studies (SB \& G) or SBS 356: Central American Studies (SB \& G) or SOC 356: Central American Studies (SB \& G) or POS 354: Central American Studies (SB \& G)} & & Literature and Culture \\
\hline & LAS 471: Treaties and Cultural Production in Spain and the Americas & SPA 425: Foundational Texts of Spain (HU) \\
\hline & LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU) & SPA 426: Literature and Society in Modern Spain (HU) \\
\hline \multirow[t]{2}{*}{ENG 334: The American Southwest in Literature and Film ((L or HU) \& C)} & \multirow[t]{2}{*}{LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU \& G)} & SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) \\
\hline & & SPA 428: Foundational Texts of Latin \\
\hline \multirow[t]{2}{*}{ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C)} & \multirow[t]{2}{*}{\begin{tabular}{l}
SPA 471: Civilization of the \\
Indohispanomexicano Southwest ((L or HU) \& C)
\end{tabular}} & American Literature Since Modernismo ((L or HU) \& G) \\
\hline & & SPA 429: Writing Mexico: Major Texts ((L or \\
\hline \multirow[t]{2}{*}{ENG 460: Ethnic Women Writers or WST 467: Ethnic Women Writers (HU \& C)} & \multirow[t]{2}{*}{SPA 472: Latin American Society: Five Case Studies (HU \& H \& G)} & \[
\mathrm{HU}) \& \mathrm{G})
\] \\
\hline & & SPA 434: Drama of the Golden Age \\
\hline HST 305: Studies in Latin American History (SB \& H) & \multirow[t]{2}{*}{SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) \& G)} & SPA 464: Jait \(\tilde{A}^{3} n\) Works in Chicano/a \\
\hline HST 375: Colonial Latin America (SB \& H) & & Literature ((HU or SB) \& C) \\
\hline HST 376: Modern Latin America (SB \& H) & SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) \& G) & SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C) \\
\hline HST 404: Conquest and Encounters in Colonial Latin America (L \& G) & & \\
\hline HST 418: The Hispanic Southwest (SB) & & \\
\hline HST 419: 20th Century Chicano/a History (C) & & \\
\hline HST 447: Modern Mexico (SB \& H) & & \\
\hline LAS 205: Deep Roots: Latin America (HU \& G) & & \\
\hline \multirow[t]{2}{*}{LAS 206: Locating Latin America:Interdisciplinary Methods} & & \\
\hline & & \\
\hline LAS 340: Latin American Women Writers & & \\
\hline LAS 350: The Construction of a Nation: Chile in the 20th/21st Century & & \\
\hline \multirow[t]{2}{*}{LAS 351: Cityscapes: Urban Mexican Literature and Culture} & & \\
\hline & & \\
\hline LAS 355: Contemporary Mexican Cinema: Changing Cartographies & & \\
\hline
\end{tabular}

LAS 471: Treaties and Cultural Production in Spain and the Americas

LAS 480: Current Trends in Theatre and New Media in Latin America and Spain (HU)

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (HU \& G) POS 351: Democratization (SB \& G) POS 438: Latino Politics (SB \& C) POS 453: Latin America (SB \& G)

POS 454: Mexico (SB \& G)

SPA 412: Advanced Conversation and Composition (G)

SPA 413: Advanced Spanish Grammar (G)

SPA 431: Prose of Golden Age (L or HU)

SPA 456: 20th-Century Spanish American Fiction

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) \& C)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Statistics, BS}

School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASSTABS
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (1) MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline NEW 101: The ASU New College Experience & 1 & \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Term hours subtot & 14 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 ( 3 credit hours) is required for all transfer students in place of NEW 101.
- Select career interest area and play me3@ASU.

\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-44 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1 ACO 101: Introduction to Computer Science (CS) & 3 & C & \multirow[t]{7}{*}{- Develop your research skills.} \\
\hline 1. MAT 272: Calculus with Analytic Geometry III (MA) & 4 & C & \\
\hline 4 STP 280: Probability and Statistics for Researchers (CS) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline 4. Complete First-Year Composition requirement. & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
ACO 102: Object-Oriented Programming (CS) OR Upper Division
\begin{tabular}{|c|c|c|}
\hline STP 427: Mathematical Statistics & 3 & C \\
\hline STP 485: Statistics Capstone & 3 & C \\
\hline Upper Division Statistics Course & 3 & C \\
\hline Focus Area Course & 3 & C \\
\hline Upper Division Cultural Diversity in the U.S. (C) OR Upper Division Global Awareness (G) OR Upper Division Elective & 3 & C \\
\hline
\end{tabular}
- Focus areas are courses in related disciplines in the New College of Interdisciplinary Arts and Sciences. Please consult with your academic advisor to select the proper courses for the desired related field.
- If student completes ACO 101 and ACO 102 (which completes the New College Language and Cultures requirement), an
elective may be taken in place of the upper division C or G requirement.
- \(\quad\) Focus areas courses are in related disciplines in the New College of Interdisciplinary Arts and Sciences. Please consult with your academic advisor to select the proper courses for the desired related field.
- Students attending graduate school are recommended to enroll in MAT 272, MAT 371, MAT 421 and MAT 450.
\begin{tabular}{|c|c|}
\hline Hide Course List(s)/Track Group(s) & \multirow[b]{2}{*}{Statistics Course} \\
\hline Focus Area Course & \\
\hline \multirow[t]{2}{*}{ACO 201: Data Structures and Algorithms (CS)} & STP 450: Nonparametric Statistics \\
\hline & STP 451: Quality Improvement \\
\hline ACO 320: Database Systems & \multirow[b]{2}{*}{STP 452: Multivariate Statistics} \\
\hline \multirow[t]{2}{*}{ACO 350: Systems Programming (CS)} & \\
\hline & \multirow[t]{2}{*}{STP 460: Categorical Data Analysis} \\
\hline CHM 113: General Chemistry I (SQ) & \\
\hline CHM 116: General Chemistry II (SQ) & \\
\hline CHM 233: General Organic Chemistry I & \\
\hline MAT 243: Discrete Mathematical Structures & \\
\hline MAT 300: Mathematical Structures (L) & \\
\hline MAT 371: Advanced Calculus I & \\
\hline MAT 421: Applied Computational Methods (CS) & \\
\hline MAT 450: Mathematical Models in Biology & \\
\hline MAT 472: Intermediate Real Analysis I & \\
\hline
\end{tabular}

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Women and Gender Studies, BS
School/College: New College of Interdisciplinary Arts and Sciences
Location: West campus
ASWSTBS
Term 10 - 17 Credit Hours Critical course signified by 1 Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- Student should consult an advisor on (MA) course selection to ensure pre-requisites for selected Statistics or Quantitative Methods requirement are met.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. NEW 101 satisfies this requirement.
- IAS 300 (3 credits) is required for all transfer students in place of NEW 101.
- Select your career interest area and play me3@ASU.

\begin{tabular}{|c|c|c|c|}
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Grade & Notes \\
\hline (4.)WST 276: U.S. Women's Movements (H \& C) & 3 & C & \multirow{5}{*}{- Explore an internship or IGLE international experience.} \\
\hline (4) Women and Gender Studies Elective & 3 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline HRC 310: Social and Cultural Studies: Method and Theory (C) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- IAS 300 ( 3 credit hours) is required for all transfer students; elective credit hours may need adjustment. If transfer student, please see your academic advisor. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline \begin{tabular}{l}
\(\leftrightharpoons\) Complete 2 courses: \\
Upper Division Women and Gender Studies Elective
\end{tabular} & 6 & C & \\
\hline Statistics or Quantitative Methods Electives & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) OR IAS 300: Adult Career Development (L or SB) & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & \begin{tabular}{c|c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Women and Gender Studies Elective
\end{tabular} & 9 & C & \multirow[t]{5}{*}{- Use Handshake to research employment opportunities.} \\
\hline \begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have Global Awareness (G) or Cultural Diversity (C) designation, in additio to the courses used to meet the University General Studies requirement or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper divisio hours is required if lower division courses are used.
\end{tabular} & \(\begin{array}{ll}\text { a } \\ \\ \text { a } & \\ & 3 \\ & \\ \end{array}\) & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) \\
AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hour & rs \(\quad\)\begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Women and Gender Studies Elective
\end{tabular} & 6 & C & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Upper Division Language and Cultures: Requirement satisfied through the following: \\
* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.
\end{tabular}} & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Divisio Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 8105 -120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- For Women and Gender Studies Electives, students must choose courses from the Women and Gender Studies Electives course list. Other courses must be approved by an academic advisor before enrollment. No course may be used to satisfy more than one requirement in the major.

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REL 390: Women, Gender and Religion (HU
\& G) or WST 390: Women, Gender and
Religion (HU \& G)
SBS 301: Cultural Diversity ((L or SB) \& C)
SOC 426: Social Inequality (SB)
WST 330: Women, Film, and Culture (SB \&
C)
WST 333: Critical Perspectives on Sexuality
(SB \& C)
WST 370: Chronicling Women's Lives (HU \&
C)
WST 376: Feminist Theory (H \& C)
WST 380: Race, Gender, and Class (SB \& C)
WST 385: Psychology of Gender (SB)
WST 430: Gender on the Borderlands (SB \&
G)
WST 444: Gender, Health, and Bodies (SB)
WST 449: Hate Speech, Manifestos, and
Radical Writings (SB \& C)
WST 469: Abject Bodies and the Politics of
Trash (SB \& C)

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Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Digital Audiences, BS
School/College: Walter Cronkite School of Journalism \& Mass Comm
Location: Online
CSDIGABS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 MCO 120: Media and Society (SB) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- ASU 101 or College specific equivalent First Year Seminar required of all freshman
\end{tabular}} \\
\hline ASU 101-UC: The ASU Experience & 1 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Term hours subtotal: & 7 & & - Select your career interest area and play me3@ASU \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 1-B 7-13 Credit Hours & Hours & Minimum Grade \\
\hline MAT 142: College Mathematics (MA) OR Mathematics (MA) & \multicolumn{2}{|l|}{3} \\
\hline Humanities, Arts and Design (HU) & \multicolumn{2}{|l|}{3} \\
\hline Term hours sub & 6 & \\
\hline
\end{tabular}
- View ASU Online first-time freshman registration information here.
- Mathematics Placement Assessment score determines placement in mathematics course
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 13-19 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Create a first draft resume \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2 - B 19-25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{4. Complete ENG 101 or ENG 105 or ENG 107 course(s).} \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-A 25-32 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Lower Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 32-38 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline Mass Communication Elective & 3 & C & \\
\hline Historical Awareness (H) & 3 & & \\
\hline
\end{tabular}


Term hours subtotal:
6
\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § MCO 438: Digital Audience Analysis & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 93-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \multirow{3}{*}{- Gather professional references} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% MCO 439: Digital Audience Growth & 3 & C & \multirow[t]{3}{*}{- Apply for full-time career opportunities} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline U Upper Division Mass Communication Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Mass Communication Elective & 3 & C & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}
Hide Course List(s)/Track Group(s)
Mass Communication Electives
MCO 240: Media Issues in American Pop
Culture
MCO 302: Media Research Methods
MCO 418: History of Mass Communication
(SB \& H)
MCO 425: Digital Media Literacy I
MCO 430: International Mass Communication
(G)

MCO 435: Social Media
MCO 450: Visual Communication (HU)
MCO 456: Political Communication (SB)

MCO 460: Race, Gender, and Media (C)
MCO 465: Sports and Media
MCO 473: Sex, Love, and Romance in the Mass Media (SB)

MCO 494: Special Topics

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\author{
Journalism and Mass Communication, BA \\ School/College: Walter Cronkite School of Journalism \& Mass Comm Location: Downtown Phoenix campus \\ CSJMCBA
}
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4. JMC 101: Grammar for Journalists & 1 & B- & \multirow{9}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determined placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman and transfer students \\
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students should take a placement exam.
\end{tabular}} \\
\hline (1) JMC 110: Principles and History of Journalism (SB) & 3 & C & \\
\hline ASU 101-CS: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline JMC 102: Coding for Journalists & 1 & C & \\
\hline MAT 142: College Mathematics (MA) OR Mathematics (MA) & 3 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

JMC 201: News Reporting and Writing (L)
3
C
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3
ENG 107 or ENG 108: First-Year Composition
JMC 305: Multimedia Journalism
3
Computer/Statistics/Quantitative Applications (CS) AND Statistics Course

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
1. Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal:
16
- Select your career interest area and play me3@ASU
- Develop your professional online presence
\begin{tabular}{|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L) & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & \\
\hline POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB) & 3 & \\
\hline Philosophy Course AND Humanities, Arts and Design (HU) & 3 & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}

\section*{Notes}

JMC 301: Intermediate Reporting and Writing (L) OR JMC 315:
Intermediate Reporting and Writing (Broadcast) (L)
ECN 211: Macroeconomic Principles (SB) OR ECN 212:
Microeconomic Principles (SB)
POS 110: American Government and Politics (SB) OR POS 310:
American National Government (SB)
Philosophy Course AND Humanities, Arts and Design (HU)

4
C
* Completion of a language course at the intermediate level (202 or
- Students interested in Public Relations should enroll in JMC 301
- Courses you are taking now will impact your eligibility for certain Professional Programs. Please consult with your academic adviser to make sure you are on the right track to achieve your goal.

4
Complete First-Year Composition requirement.
4. Complete Mathematics (MA) requirement.

Minimum 2.50 GPA ASU Cumulative.
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 448-64 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) JMC 313: Introduction to Editing OR JMC 345: Videography & 3 & c & \multirow{5}{*}{\begin{tabular}{l}
- Related Area courses must be approved \\
by an academic adviser \\
- Explore an internship
\end{tabular}} \\
\hline JMC 366: Journalism Ethics and Diversity & 3 & c & \\
\hline SOC 101: Introductory Sociology (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & & \\
\hline Related Area Course & 3 & c & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. \\
AND \\
Global Awareness (G)
\end{tabular} & 4 & C & \\
\hline \multicolumn{4}{|l|}{(4) Complete JMC 305 AND JMC 366 course(s).} \\
\hline \multicolumn{4}{|l|}{(-) Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 564-80 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline JMC OR MCO Upper Division Elective & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Students interested in Public Relations should enroll in JMC 310. Review course recommendations with academic adviser. \\
- Complete an in person or virtual practice interview
\end{tabular}} \\
\hline U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \multicolumn{4}{|l|}{\& Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 680-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- Advanced Skills course should be selected in consultation with academic adviser
- Students following PR track should enroll in JMC 436; all others should enroll in JMC 473
- Related Area courses must be approved
by an academic adviser

\section*{Natural Science - General (SG) OR Natural Science - Quantitative} (SQ)
\(\leadsto\) Complete Cultural Diversity in the U.S. (C) AND Historical
Awareness (H) AND Global Awareness (G) course(s).
Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal:
16
Term 79-108 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c|cc} 
Minimum \\
Grade
\end{tabular} Notes

- Professional Programs require placement and can be completed in fall or spring. Consult with your academic adviser to review your eligibility for certain programs.
- Related Area courses must be approved by an academic adviser
- Gather professional references
\begin{tabular}{|c|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline § Upper Division Advanced Skills Course & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- Students interested in additional Professional Program credit can apply it toward their Upper Division Advanced Skills Course credit. Consult with your academic adviser for more information \\
- Related Area courses must be approved by an academic adviser
\end{tabular}} \\
\hline MCO Upper Division Elective & 3 & C & \\
\hline Related Area Course & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline  & 12 & & \\
\hline
\end{tabular}
- Advanced Skills course should be selected in consultation with academic adviser
\begin{tabular}{|c|c|c|}
\hline Statistics (CS) & Philosophy & U.S. History \\
\hline \multirow[t]{2}{*}{JUS 302: Statistical Analysis for Justice Studies (CS)} & HON 171: The Human Event (L or HU) & \multirow[t]{2}{*}{HST 109: United States to 1865 ((HU or SB) \& H)} \\
\hline & & \\
\hline \multirow[t]{2}{*}{SOC 390: Social Statistics I (CS)} & & \multirow[t]{3}{*}{HST 306: Studies in United States History ((HU or SB) \& H)} \\
\hline & PHI 103: Principles of Sound Reasoning (L or & \\
\hline STP 226: Elements of Statistics (CS) & \(\mathrm{HU})\) & \\
\hline \multirow[t]{8}{*}{SWU 321: Statistics for Social Workers (CS)} & PHI 105: Intro to Ethics (HU) & HST 314: American Cultural History Since 1865 ((HU or SB) \& H) \\
\hline & PHI 306: Applied Ethics (HU) & HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H) \\
\hline & & HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H) \\
\hline & & HST 334: African American History Since 1865 ((HU or SB) \& C \& H) \\
\hline & & HST 337: American Indian History to 1900 ((HU or SB) \& C \& H) \\
\hline & & HST 338: American Indian History since 1900 ((HU or SB) \& C \& H) \\
\hline & & HST 110: United States Since 1865 (SB \& H) \\
\hline & & HST 325: Immigration and Ethnicity in the United States (SB \& H \& C) \\
\hline Related Area Courses & Advanced Skills Courses & Professional Program \\
\hline ACC Elective & JMC 320: Newscast Producing & JMC 476: Public Relations Laboratory \\
\hline ASB Elective & JMC 330: Television Reporting & JMC 477: New Media Innovation and \\
\hline & Academic Catalog Archive 2018-2019 & Entrepreneurship Lab
\[
3196
\] \\
\hline
\end{tabular}
ASM Elective
COM Elective
JMC 333: Advanced Bilingual Broadcast
Reporting JMC 478: Cronkite News - Phoenix

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Journalism and Mass Communication, BA}

School/College: Walter Cronkite School of Journalism \& Mass Comm
Location:
CSJMCBA
and
Graphic
Information
Technology,
BS
Ira A. Fulton Schools of Engineering
TSGITBS
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (4) GIT 135: Graphic Communications & 3 & C \\
\hline (4. JMC 101: Grammar for Journalists & 1 & Y \\
\hline 4. JMC 110: Principles and History of Journalism (SB) & 3 & C \\
\hline ASU 101-CS: The ASU Experience & 1 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline JMC 102: Coding for Journalists & 1 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
1. Minimum 2.50 GPA ASU Cumulative.



- For Focus Area Courses, students must select one of the following focus areas:
- Web Design and Development
- 2D-3D Gaming Animation
- Digital Design, Print and Publishing
- Commercial Photography and Video

All 12 hours of focus area courses must be taken from the same focus area.

Hide Course List(s)/Track Group(s)
Philosophy
HON 171: The Human Event (L or HU)
PHI 101: Introduction to Philosophy (HU)
PHI 103: Principles of Sound Reasoning (L or
PHI 105: Intro to Ethics (HU)
PHI 306: Applied Ethics (HU)
U.S. History Course
HST 327: Women in U.S. History, 1600 to
1880 ((HU or SB) \& C \& H)
HST 328: Women in U.S. History, 1880-1980
((HU or SB) \& C \& H)
HST 334: African American History Since
1865 ((HU or SB) \& C \& H)
HST 337: American Indian History to 1900
((HU or SB) \& C \& H)
HST 338: American Indian History since 1900
((HU or SB) \& C \& H)
Academic Catalog Archive 2018-2019

Academic Catalog Archive 2018-2019
Journalism \& Mass Communication Upper Division Major Elective

JMC 451: Photojournalism II
JMC 455: Digital Media Entrepreneurship
JMC 460: Advanced Online Media
MCO 425: Digital Media Literacy
GIT Focus Area: Web Design and
Development
GIT 237: Web Content Design
GIT 340: Information Design and Usability
GIT 402: New Media Internet Technologies
GIT 414: Web Site Design and Internet/Web
Technologies
GIT 417: Advanced Web Markup and
Scripting
GIT 418: Multimedia Authoring, Scripting
and Production
GIT 435: Website and E-Commerce Strategies
GIT 450: Digital Workflow in Graphic
Industries
GIT 494: Special Topics
GIT 450: Digital Workflow in Graphic
Industries
GIT 494: Special Topics
GIT Focus Area: Commercial Photography
and Video
GIT 295: Introduction to Technical Imaging
GIT 315: Digital Video Techniques
GIT 230

\section*{GIT Focus Area: 2D-3D Gaming Animation GIT Focus Area: Digital Design, Print and Publishing}

GIT 333: Printing Technology GIT 334: Image Editing and Manipulation GIT 437: Color Reproduction Systems GIT 450: Digital Workflow in Graphic Industries GIT 494: Special Topics

TWC 411: Principles of Visual Communication (L)

Total Hours: 132
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Journalism and Mass Communication, BA}

School/College: Walter Cronkite School of Journalism \& Mass Comm
Location:
CSJMCBA
and
Geography
(Meteorology-Climatology),
BS
College of Liberal Arts and Sciences
LAGCUMBS
\begin{tabular}{|l|l|l|l|}
\hline Term 10-17 Credit Hours Critical course signified by \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline JMC 101: Grammar for Journalists & 1 & B- \\
\hline JMC 110: Principles and History of Journalism (SB) & 3 & C \\
\hline MAT 170: Precalculus (MA) & 3 & C \\
\hline ASU 101-CS: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline
\end{tabular}

JMC 102: Coding for Journalists \(\quad 1 \quad\) C
JMC 120: Studio Production \(\quad 1 \quad\) C
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.
. Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal:
17

\begin{tabular}{|c|c|c|}
\hline 4. JMC 305: Multimedia Journalism & 3 & C \\
\hline 4 . MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C \\
\hline PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) & 4 & C \\
\hline JMC 366: Journalism Ethics and Diversity & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline \multicolumn{3}{|l|}{1 . Complete First-Year Composition requirement.} \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline
\end{tabular} Term hours subtotal: 18
\begin{tabular}{|c|c|c|c|}
\hline Term 453-71 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 JMC 315: Intermediate Reporting and Writing (Broadcast) (L) & 3 & C & \multirow[t]{5}{*}{- Students should consult with an academic adviser to determine a journalism path and appropriate course selections for JMC Advanced Skill courses.} \\
\hline . MAT 272: Calculus with Analytic Geometry III (MA) & 4 & C & \\
\hline PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) & 4 & C & \\
\hline JMC 345: Videography & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent). \\
AND \\
Global Awareness (G)
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 18 & & \\
\hline Term 571-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline JMC 330: Television Reporting & 3 & C & \multirow[t]{3}{*}{- GPH 409 is offered once every two years--during the Fall semester of odd-numbered years (so it may be a Term 7 course)} \\
\hline JMC 473: The Business and Future of Journalism & 3 & C & \\
\hline GPH 212: Introduction to Meteorology (SQ) & 3 & C & \\
\hline GPH 314: Global Change (HU \& G) OR Upper Division CLAS Science and Society Elective & 3 & & \begin{tabular}{l}
- The Science and Society list is found here. \\
- Explore an internship
\end{tabular} \\
\hline
\end{tabular}

Term hours subtotal: 16
Term 6 87-103 Credit Hours Necessary course signified by
- The Science and Society list is found here.
Term 7 103 - 121 Credit Hours Necessary course signified by
- Advanced Skills course should be selected in consultation with academic advisor.

The Science and Society list is found athttps://clas.asu.edu/advising-and-academic-services/science-and-society.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline Philosophy & U.S. History \\
\hline HON 171: The Human Event (L or HU) & \multirow[t]{2}{*}{HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H)} \\
\hline PHI 101: Introduction to Philosophy (HU) & \\
\hline PHI 103: Principles of Sound Reasoning (L or HU) & HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H) \\
\hline PHI 105: Intro to Ethics (HU) & HST 334: African American History Since 1865 ((HU or SB) \& C \& H) \\
\hline PHI 306: Applied Ethics (HU) & HST 337: American Indian History to 1900 ((HU or SB) \& C \& H) \\
\hline & \begin{tabular}{l}
HST 338: American Indian History since 1900 ((HU or SB) \& C \& H) \\
Academic Catalog Archive 2018-2019
\end{tabular} \\
\hline
\end{tabular}

\section*{Advanced Skills Courses}

JMC 320: Newscast Producing
JMC 325: Breaking News Multimedia Reporting

JMC 351: Photojournalism I
JMC 414: Digital Graphic Design
JMC 430: Sports Marketing and Campaigns
JMC 437: Documentary Production

JMC 451: Photojournalism II
JMC 452: Visual Storytelling
JMC 453: Reporting on Business and the
Economy
JMC 455: Digital Media Entrepreneurship
JMC 457: Advanced Radio Reporting
JMC 460: Advanced Online Media
JMC 465: Telling Stories with Data
JMC 470: Depth Reporting
JMC 477: New Media Innovation and
Entrepreneurship Lab
JMC 478: Cronkite News: Los Angeles
JMC 478: Cronkite News: Phoenix Bureau
JMC 479: Cronkite News: Washington Bureau
JMC 480: Cronkite News: Phoenix Sporn
Bureau
JMC 481: Cronkite News: Los Angelan
Bureau

JMC 485: Television Magazine

Total Hours: 139
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Journalism and Mass Communication, BA}

School/College: Walter Cronkite School of Journalism \& Mass Comm
Location:
CSJMCBA
and
Transborder
Chicana/o
and
Latina/o
Studies (US
and
Mexican
Regional
Immigration
Policy and
Economy),
BA
College of Liberal Arts and Sciences
LATCLUBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4. JMC 101: Grammar for Journalists & 1 & B- & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
\end{tabular}} \\
\hline (1) JMC 110: Principles and History of Journalism (SB) & 3 & C & \\
\hline ASU 101-CS: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline JMC 102: Coding for Journalists & 1 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course. \\
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
\end{tabular}} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline (1) Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) JMC 201: News Reporting and Writing (L) & 3 & C & \multirow[b]{2}{*}{- Select your career interest area and play me3@ASU} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & - Develop your professional online \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline JMC 305: Multimedia Journalism & 3 & C \\
\hline STP 226: Elements of Statistics (CS) & 3 & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{3}{|l|}{1. Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 16 & \\
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4. JMC 366: Journalism Ethics and Diversity & 3 & C \\
\hline TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU \& C) & 3 & C \\
\hline PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) & 3 & \\
\hline U.S. and Mexican Regional Immigration Policy and Economy Track Course & 3 & C \\
\hline Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). & 4 & C \\
\hline \multicolumn{3}{|l|}{4 Complete First-Year Composition requirement.} \\
\hline \multicolumn{3}{|l|}{4 Complete Mathematics (MA) requirement.} \\
\hline ¢. Minimum 2.50 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

\section*{Term hours subtotal:}

16


- Students must complete 15 credit hours from the U.S.and Mexican Regional Immigration Policy and Economy Track.

Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Hide Course List(s)/Track Group(s)
U.S. and Mexican Regional Immigration Policy and Economy Track
\begin{tabular}{|c|c|c|}
\hline HON 171: The Human Event (L or HU) & \multirow[t]{2}{*}{TCL 305: Transborder Practicum and Field Research.} & JMC 320: Newscast Producing \\
\hline PHI 101: Introduction to Philosophy (HU) & & JMC 325: Breaking News Multimedia \\
\hline PHI 103: Principles of Sound Reasoning (L or & TCL 314: Transborder Latin American & Reporting \\
\hline \(\mathrm{HU})\) & Migration to the U.S. ((L or SB) \& H \& C) & JMC 330: Television Reporting \\
\hline PHI 105: Intro to Ethics (HU) & TCL 315: Chicana/o and Latina/o Family & JMC 333: Advanced Bilingual Broadcast \\
\hline PHI 306: Applied Ethics (HU) & & Reporting \\
\hline & TCL 327: Health and Migration (SB) & JMC 351: Photojournalism I \\
\hline & TCL 331: Mexican American History to 1900 (SB \& H \& C) & JMC 413: Advanced Editing \\
\hline & & JMC 414: Digital Graphic Design \\
\hline & and the Law & JMC 430: Sports Marketing and Campaigns \\
\hline & TCL 340: Chicana/o and Latina/o Politics and & JMC 437: Documentary Production \\
\hline & Policy (L \& C) & JMC 440: Magazine Writing \\
\hline & TCL 341: Policy Issues in Chicana/o and Latina/o Urban Settings (C) & JMC 455: Digital Media Entrepreneurship \\
\hline & TCL 342: Social Demographics of Latino & JMC 460: Advanced Online Media \\
\hline & Populations (SB \& C) & JMC 465: Telling Stories with Data \\
\hline & TCL 443: Political Ecology of the Border (SB \& G) & JMC 477: New Media Innovation and Entrepreneurship Lab \\
\hline & TCL 444: The Ethnography of Mexico and the Borderlands (SB \& G) & JMC 478: Cronkite News: Phoenix Bureau \\
\hline & TCL 484: Internship & JMC 478: Cronkite News: Los Angeles \\
\hline & & JMC 479: Cronkite News: Washington Bureau \\
\hline & & JMC 485: Television Magazine \\
\hline Professional Program Courses & & \\
\hline JMC 477: New Media Innovation and Entrepreneurship Lab & & \\
\hline JMC 478: Cronkite News - Phoenix Bureau & & \\
\hline JMC 478: Cronkite News: Los Angeles & & \\
\hline JMC 479: Cronkite News: Washington Bureau & & \\
\hline JMC 485: Television Magazine & & \\
\hline
\end{tabular}

Total Hours: 129
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Journalism and Mass Communication, BA}

School/College: Walter Cronkite School of Journalism \& Mass Comm
Location:
CSJMCBA
and
Transborder
Chicana/o
and Latina/o
Studies
(Transborder
Community
Development
and Health),
BA
College of Liberal Arts and Sciences
LATCLTBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4. JMC 101: Grammar for Journalists & 1 & B- & \multirow[b]{9}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
- Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course. \\
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
\end{tabular}} \\
\hline (1) JMC 110: Principles and History of Journalism (SB) & 3 & C & \\
\hline ASU 101-CS: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline JMC 102: Coding for Journalists & 1 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline (1) Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (-) JMC 201: News Reporting and Writing (L) & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Select your career interest area and play me3@ASU \\
- Develop your professional online presence
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline JMC 305: Multimedia Journalism & 3 & C & \\
\hline STP 226: Elements of Statistics (CS) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate \\
level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline \multicolumn{4}{|l|}{(4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{4}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 332-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1) JMC 366: Journalism Ethics and Diversity & 3 & C & \multirow[t]{2}{*}{- Network in your career interest area} \\
\hline TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU \& C) & 3 & C & \\
\hline \begin{tabular}{l}
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory \\
Sociology (SB)
\end{tabular} & 3 & & \\
\hline Transborder Community Development and Health Track Course & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline \multicolumn{4}{|l|}{(4) Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{4}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 48-65 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline (4. JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L) & 3 & C & \multirow[t]{3}{*}{- Complete Spanish language proficiency by end of semester 4 - for the college requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) general studies requirement.} \\
\hline TCL 202: Transborder Society and Culture II: Contemporary Issues (SB \& C) & 3 & C & \\
\hline JMC 313: Introduction to Editing OR JMC 345: Videography & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & - Students should consult with an academic advisor to determine a journalism path and \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation.
\end{tabular} & 4 & C & appropriate course selections for Professional Program Courses and JMC Advanced Skill courses. \\
\hline
\end{tabular}

\section*{- Minimum 2.50 GPA ASU Cumulative.}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Term hours subtotal: 17} \\
\hline Term 565-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NMC 473: The Business and Future of Journalism & 3 & C & \\
\hline TCL 303: Transborder Theory (SB) & 3 & C & \\
\hline JMC 435: Latino and Transnational Issues & 3 & C & \\
\hline TCL 332: Mexican American History Since 1900 (SB \& H \& C) OR HST 332: Mexican American History Since 1900 (SB \& H \& C) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 681-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Students must complete 15 credit hours from the Transborder Community Development and Health track.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{lll} 
Philosophy Course & JMC Advanced Skills Course & \\
\hline HON 171: The Human Event (L or HU) & JMC 320: Newscast Producing & Transborder Community Development and \\
\hline PHI 101: Introduction to Philosophy (HU) & JMC 325: Breaking News Multimedia & TCL 305: Transborder Practicum and Field \\
\hline PHI 103: Principles of Sound Reasoning (L or & Reporting & Research. \\
HU) & JMC 330: Television Reporting & TCL 315: Chicana/o and Latina/o Family
\end{tabular} \\
\hline
\end{tabular}
PHI 306: Applied Ethics (HU) \begin{tabular}{l} 
JMC 333: Advanced Bilingual Broadcast \\
Reporting \\
JMC 351: Photojournalism I \\
JMC 413: Advanced Editing \\
JMC 414: Digital Graphic Design \\
JMC 430: Sports Marketing and Campaigns \\
JMC 437: Documentary Production \\
JMC 440: Magazine Writing \\
JMC 455: Digital Media Entrepreneurship \\
JMC 460: Advanced Online Media \\
JMC 465: Telling Stories with Data \\
JMC 477: New Media Innovation and \\
Entrepreneurship Lab
\end{tabular}

Professional Program Courses
JMC 477: New Media Innovation and
Entrepreneurship Lab
JMC 478: Cronkite News - Phoenix Bureau
JMC 478: Cronkite News: Los Angeles
JMC 479: Cronkite News: Washington Bureau
JMC 485: Television Magazine

TCL 321: Transborder Community

Development and Health

TCL 323: Latino Health Issues (SB \& C)
TCL 326: Health of Chicanas and Latinas (SB \& C)

TCL 327: Health and Migration (SB)

TCL 342: Social Demographics of Latino Populations (SB \& C)

TCL 410: Race, Medicine, and the Body (L)
TCL 422: U.S.-Mexico Border Health

TCL 424: Theory and Practice of Community Development and Health (SB)

TCL 443: Political Ecology of the Border (SB \& G)

TCL 447: Gender, Culture, and Development \(((\mathrm{L}\) or SB\() \& \mathrm{G})\)

TCL 484: Internship (

Total Hours: 129
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Journalism and Mass Communication, BA}

School/College: Walter Cronkite School of Journalism \& Mass Comm
Location:
CSJMCBA
and
Transborder
Chicana/o
and
Latina/o
Studies
(Media and
Expressive
Culture),
BA
College of Liberal Arts and Sciences
LATCLMBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline (1. JMC 101: Grammar for Journalists & 1 & B- & \multirow[b]{9}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
- Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course. \\
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
\end{tabular}} \\
\hline 1. JMC 110: Principles and History of Journalism (SB) & 3 & C & \\
\hline ASU 101-CS: The ASU Experience & 1 & & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline JMC 102: Coding for Journalists & 1 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). & 4 & C & \\
\hline 4. Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
Term 2 16-32 Credit Hours Critical course signified by 1. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). & 4 & C & \\
\hline \multicolumn{4}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{4}{|l|}{1 Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline JMC 366: Journalism Ethics and Diversity & 3 & C & \multirow[b]{2}{*}{- Network in your career interest area} \\
\hline TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU \& C) & 3 & C & \\
\hline PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) & 3 & & \\
\hline Media and Expressive Culture Track Course & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline (1) Complete First-Year Composition requirement. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-65 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L) & 3 & C & - Complete Spanish language proficiency by end of semester 4 - for the college \\
\hline TCL 202: Transborder Society and Culture II: Contemporary Issues (SB \& C) & 3 & C & requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global \\
\hline JMC 313: Introduction to Editing OR JMC 345: Videography & 3 & C & Awareness (G) general studies requirement. \\
\hline Natural Science - Quantitative (SQ) & 4 & & - Students should consult with an academic \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..
\end{tabular} & 4 & C & appropriate course selections for Professional Program Courses and JMC Advanced Skill courses. \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 565-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline JMC 473: The Business and Future of Journalism & \[
3
\] & C & \multirow[t]{3}{*}{- Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC} \\
\hline & 3 & C & \\
\hline JMC 435: Latino and Transnational Issues & 3 & C & \\
\hline TCL 332: Mexican American History Since 1900 (SB \& H \& C) OR HST 332: Mexican American History Since 1900 (SB \& H \& C) & 3 & C & Advanced Skill courses. \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 681-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline JMC 402: Mass Communication Law & 3 & C & \multirow{9}{*}{- Explore an internship} \\
\hline \(\bigcirc\) TCL 304: Transborder Research Methods (SB \& C) & 3 & C & \\
\hline JMC 470: Depth Reporting & 3 & C & \\
\hline POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB) & 3 & & \\
\hline SPA Upper Division Elective & 3 & C & \\
\hline Media and Expressive Culture Track Course & 3 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s). & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 18 & & \\
\hline Term 799-114 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TCL 305: Transborder Practicum and Field Research. & 3 & C & \multirow[t]{7}{*}{- Gather professional references} \\
\hline JMC 484: Internship & 3 & Y & \\
\hline Upper Division JMC Advanced Skills Course & 3 & C & \\
\hline Philosophy Course AND Humanities, Arts and Design (HU) & 3 & & \\
\hline Media and Expressive Culture Track Course & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & ............ & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8114-129 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \% TCL 498: Pro-Seminar & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Professional programs require placement. Please consult your academic advisor. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Media and Expressive Culture Track Course
\end{tabular} & 6 & C & \\
\hline Professional Program Course & 3 & C & \\
\hline \begin{tabular}{l}
Minimum 2.50 GPA ASU Cumulative. \\
Term hours subtotal:
\end{tabular} & 15 & ......... & \\
\hline
\end{tabular}
- Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Students must complete 15 credit hours from the Media and Expressive Culture Track.

Hide Course List(s)/Track Group(s)

Philosophy Course
HON 171: The Human Event (L or HU)
PHI 101: Introduction to Philosophy (HU)

\section*{Professional Program Courses}

JMC 477: New Media Innovation and Entrepreneurship Lab

JMC Advanced Skills Course
JMC 320: Newscast Producing
JMC 325: Breaking News Multimedia Reporting

PHI 103: Principles of Sound Reasoning (L or
HU)

PHI 105: Intro to Ethics (HU)

PHI 306: Applied Ethics (HU)

JMC 478: Cronkite News: Los Angeles JMC 479: Cronkite News: Washington Bureau JMC 485: Television Magazine

JMC 330: Television Reporting
JMC 333: Advanced Bilingual Broadcast Reporting

JMC 351: Photojournalism I
JMC 413: Advanced Editing
JMC 414: Digital Graphic Design
JMC 430: Sports Marketing and Campaigns
JMC 437: Documentary Production

JMC 440: Magazine Writing

JMC 455: Digital Media Entrepreneurship

JMC 460: Advanced Online Media

JMC 465: Telling Stories with Data

JMC 477: New Media Innovation and Entrepreneurship Lab

JMC 478: Cronkite News: Phoenix Bureau

JMC 478: Cronkite News: Los Angeles

JMC 479: Cronkite News: Washington Bureau

JMC 485: Television Magazine

Media and Expressive Culture Track

TCL 211: Transborder Chicano/a and Latino/a Poetry (HU \& C)

TCL 220: Transborder Latina/o Expressive
Culture ((L or HU or SB) \& C)
TCL 305: Transborder Practicum and Field Research.

TCL 310: Transborder Chicano/a and Latino/a Folklore of Southwest North America (HU \& C)

TCL 328: U.S. Latino Religion and Culture (HU \& C)

TCL 331: Mexican American History to 1900 (SB \& H \& C)

TCL 335: Historical Studies in Race, Crime, and the Law

TCL 350: Transborder Mexican and Chicano/a Artistic Production (HU \& C \& G)

TCL 351: Transborder Chicano/a and Latino/a Art (HU \& C)

TCL 352: Chicana/o Film (C)

> TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C) TCL 364: Transborder Mexican Literature Before 1917 (L) TCL 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU) TCL 380: Race and Gender in American Film (HU \& C) TCL 445: Transborder Latin American Short Story (L or HU) TCL 446: Comparative Bilingual Latina/o Poetics ((L or HU) \& C) TCL 464: Latina/o Literature ((L or HU) \& C) TCL 465: Chicana/o and Latina/o History on Film (HU \& C) TCL 466: Constructing the Border on Film (C) TCL 470: Race, Sex, and Identity Online (HU) TCL 490: Transborder Queer Performativity (HU \& C) TCL 471: Latinos In Hollywood (HU \& C) TCL \(484:\) Internship TCL 485: Chicana and Latina Writers ((L or HU C) TC 488: Border Global Narratives (L \& C) T:

Total Hours: 129
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Mass Communication and Media Studies, BA
School/College: Walter Cronkite School of Journalism \& Mass Comm
Location: Online
CSMCMSTBA
FT
Fast Track Options: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. MCO 120: Media and Society (SB) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- ASU 101 or College specific equivalent First Year Seminar required of all freshman
\end{tabular}} \\
\hline ASU 101-UC: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108. Fin....................................................... & & & \\
\hline Term hours subtotal: & 7 & & - Select your career interest area and play me3@ASU \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{MAT 142: College Mathematics (MA) OR Mathematics (MA) 3}

Humanities, Arts and Design (HU) 3
Term hours subtotal:
6
- View ASU Online first-time freshmen registration information here.
- Mathematics Placement Assessment score determines placement in mathematics course
- Create a first draft resume
Term 2-A 13-19 Credit Hours \(\quad\) Hours \begin{tabular}{c|c|c|}
\hline Minimum \\
Grade
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3
ENG 107 or ENG 108: First-Year Composition
Humanities, Arts and Design (HU)
Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Historical Awareness (H) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 25-32 Credit Hours & Hours & Minimum Grade & Notes \\
\hline MCO Elective & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & Develop your sk \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 81-87 Credit Hours & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 87-93 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 93-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division Mass Communication Elective & 3 & C & \multirow[t]{3}{*}{- Gather professional references} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ......................................................................... & 3 & C & \multirow[t]{3}{*}{- Apply for full-time career opportunities} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § Upper Division Mass Communication Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division Mass Communication Elective & 3 & C & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
Mass Communication Elective
MCO 240: Media Issues in American Pop Culture

MCO 302: Media Research Methods
MCO 307: The Digital Audience
```

MCO 418: History of Mass Communication
(SB \& H)
MCO 425: Digital Media Literacy
MCO 430: International Mass Communication
(G)
MCO 435: Social Media
MCO 436: Audience Research and Behavior
MCO 437: Audience Acquisition and
Engagement
MCO 438: Digital Audience Analysis
MCO 439: Digital Audience Growth
MCO 450: Visual Communication (HU)
MCO 455: War and Mass Media
MCO 456: Political Communication (SB)
MCO 460: Race, Gender, and Media (C)
MCO 465: Sports and Media
MCO 473: Sex, Love, and Romance in the
Mass Media (SB)
MCO 494: Special Topics

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Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{2018-2019 Major Map} \\
\hline \multicolumn{4}{|l|}{Sports Journalism, BA} \\
\hline School/College: Walter Cronkite School of Journalism \& Mass Comm Location: Downtown Phoenix campus CSSPJBA & & & \\
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4. JMC 101: Grammar for Journalists & 1 & B- & An SAT, ACT, IELTS, Accuplacer, or \\
\hline 4. JMC 110: Principles and History of Journalism (SB) & 3 & C & TOEFL score determined placement into \\
\hline ASU 101-CS: The ASU Experience & 1 & & first-year composition courses \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \begin{tabular}{l}
determines placement in mathematics course \\
- ASU 101 or college-specific equivalent
\end{tabular} \\
\hline JMC 102: Coding for Journalists & 1 & C & First-Year Seminar required of all \\
\hline MAT 142: College Mathematics (MA) OR Mathematics (MA) & 3 & & freshman and transfer students \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & beginners are eligible for 101-level courses. All other students should take a placement exam. \\
\hline \multicolumn{4}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 16} \\
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) JMC 201: News Reporting and Writing (L) & 3 & C & - Select your career interest area and play \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR & 3 & C & \begin{tabular}{l}
me3@ASU \\
- Develop your professional online
\end{tabular} \\
\hline ENG 107 or ENG 108: First-Year Composition & & & presence \\
\hline JMC 305: Multimedia Journalism & 3 & C & \\
\hline Statistics Course AND Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{4}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{4}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 332-49 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (-) JMC 302: Sports Reporting & 3 & C & \\
\hline \begin{tabular}{l}
POS 110: American Government and Politics (SB) OR POS 310: \\
American National Government (SB)
\end{tabular} & 3 & & eligibility for certain Professional Programs. Please consult with your academic adviser to \\
\hline \begin{tabular}{l}
PSY 101: Introduction to Psychology (SB) OR SOC 101: \\
Introductory Sociology (SB)
\end{tabular} & 3 & & make sure you are on the right track to achieve your goal \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline
\end{tabular}
```

4. Complete First-Year Composition requirement.
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Minimum 2.50 GPA ASU Cumulative.

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Term hours subtotal: 17
\begin{tabular}{|c|c|c|c|}
\hline Term 449-65 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) JMC 346: Sports Videography OR JMC 352: Sports Photojournalism & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Students interested in JMC 481 Cronkite News - Los Angeles Sports Bureau should enroll in JMC 346. \\
- Related Area courses must be approved by an academic adviser. \\
- Explore an internship
\end{tabular}} \\
\hline JMC 367: Ethics and Diversity in Sports Journalism & 3 & C & \\
\hline U.S. History Course AND Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Related Area Course & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline
\end{tabular}

AND
Global Awareness (G)
1. Complete JMC 305 AND JMC 367 course(s)
4. Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16
\begin{tabular}{|c|c|c|}
\hline Term 565-80 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline Wpper Division Sports Advanced Skills Course & 3 & C \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & \\
\hline Philosophy Course AND Humanities, Arts and Design (HU) & 3 & \\
\hline Related Area Course & 3 & C \\
\hline Cultural Diversity in the U.S. (C) & 3 & \\
\hline \multicolumn{3}{|l|}{\% Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours sub & 15 & \\
\hline
\end{tabular}
Term 6 80-96 Credit Hours Necessary course signified by

JMC 402: Mass Communication Law
3
C

\begin{tabular}{|c|c|c|}
\hline Term 8 108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline JMC OR MCO Upper Division Elective & 3 & C \\
\hline MCO Upper Division Elective & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & \multicolumn{2}{|l|}{3} \\
\hline Related Area Course & 3 & C \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Term hours subtot & 12 & \\
\hline
\end{tabular}
- Advanced Skills course should be selected in consultation with academic advisor

Hide Course List(s)/Track Group(s)
\begin{tabular}{ll} 
Statistics (CS) & Philosophy \\
\hline ECN 221: Business Statistics (CS) & HON 171: The Human Event (L or HU) \\
JUS 302: Statistical Analysis for Justice & PHI 101: Introduction to Philosophy (HU) \\
Studies (CS) & PHI 103: Principles of Sound Reasoning (L or \\
PSY 230: Introduction to Statistics (CS) & HU) \\
SOC 390: Social Statistics I (CS) & PHI 105: Intro to Ethics (HU) \\
STP 226: Elements of Statistics (CS) & PHI 306: Applied Ethics (HU)
\end{tabular}
Sports Advanced Skills Courses
JMC 331: Television Sports Reporting
JMC 430: Sports Marketing and Campaigns

SWU 321: Statistics for Social Workers (CS)

\section*{Sports Advanced Skills Courses}

JMC 430: Sports Marketing and Campaigns

\section*{Advanced Skills Courses}

JMC 320: Newscast Producing

JMC 331: Television Sports Reporting
- Professional Programs require placement and can be completed in fall or spring. Consult with your academic adviser to review your eligibility for certain programs
- Related Area courses must be approved by an academic adviser.
- Gather professional references
- Students interested in additional Professional Program credit can apply it toward their JMC or MCO Upper Division Elective. Consult with your academic adviser for more information.
- Related Area courses must be approved by an academic adviser

\section*{U.S. History}

HST 109: United States to 1865 ((HU or SB) \& H)

HST 110: United States Since 1865 (SB \& H)

HST 306: Studies in United States History (( HU or SB ) \& H)

HST 314: American Cultural History Since 1865 ((HU or SB) \& H)

HST 325: Immigration and Ethnicity in the United States (SB \& H \& C)

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H)

HST 334: African American History Since 1865 ((HU or SB) \& C \& H)

HST 337: American Indian History to 1900 ((HU or SB) \& C \& H)

HST 338: American Indian History since 1900 ((HU or SB) \& C \& H)

\section*{Professional Program}

JMC 480: Cronkite News: Phoenix Sports Bureau
ASC

JMC 333: Advanced Bilingual Broadcast Reporting

JMC 481: Cronkite News: Los Angeles Sports Bureau

JMC 413: Advanced Editing
JMC 414: Digital Graphic Design
JMC 430: Sports Marketing and Campaigns
JMC 437: Documentary Production
JMC 440: Magazine Writing
JMC 451: Photojournalism II
JMC 452: Visual Storytelling
JMC 455: Digital Media Entrepreneurship
JMC 457: Advanced Radio Reporting
JMC 460: Advanced Online Media
JMC 465: Telling Stories with Data

JMC 470: Depth Reporting

JMC 477: New Media Innovation and Entrepreneurship Lab

JMC 478: Cronkite News - Phoenix JMC 479: Cronkite News: Washington Bureau JMC 485: Television Magazine

REL Elective
POS Elective

SOC Elective

THE Elective

THP Elective

WST Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Actuarial Science, BS}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAACTBS
\begin{tabular}{|l|l|l|l|l|}
\hline Term 10-14 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & B \\
\hline 4 . MAT 270: Calculus with Analytic Geometry I (MA) & 4 & B \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline Maintain 3.50 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}

Term hours subtotal:
14
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- It is suggested that students complete both ECN 211 and 212 to satisfy the SB general studies requirement as well as the VEE Requirement sequence for Economics by the Society of Actuaries (SOA), Casualty Actuarial Society (CAS), and Canadian Institute of Actuaries (CIA).
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{(6)}\) & Hours & Minimum Grade & Notes \\
\hline ACT 201: Introduction to Elements and Techniques of Actuarial Science & 3 & B & \multirow[t]{2}{*}{- Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation.} \\
\hline (4) MAT 271: Calculus with Analytic Geometry II (MA) & 4 & B & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & - It is suggested that students complete both ECN 211 and 212 to satisfy the SB general studies \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & 211 and 212 to satisfy the SB general studies \\
\hline ENG 107 or ENG 108: First-Year Composition & & & equirement as well as the VEE Requirement \\
\hline Literacy and Critical Inquiry (L) & 3 & & sequence for Economics by the Society of Actuaries (SOA), Casualty Actuarial Society \\
\hline Social-Behavioral Sciences (SB) & 3 & & (CAS), and Canadian Institute of Actuaries \\
\hline (4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & (CIA). \\
\hline Maintain 3.50 GPA in Critical Tracking Courses. & & & Literacy and Critical Inquiry ("L") general \\
\hline Term hours subtotal: & 16 & & studies requirement. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 330-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) MAT 272: Calculus with Analytic Geometry III (MA) & 4 & B & \multirow[t]{5}{*}{- Meet with your academic advisor to discuss summer internship and Research Opportunities for Undergraduates (REU).} \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline (4) Complete First-Year Composition requirement. & & & \\
\hline
\end{tabular}

Maintain 3.50 GPA in Critical Tracking Courses.
Term hours subtotal: \(\quad 17\)
\begin{tabular}{|c|c|c|}
\hline Term 4-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (1. ACT 310: Mathematics of Finance & 4 & B \\
\hline (1) MAT 343: Applied Linear Algebra & 3 & B \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Elective & 3 & \\
\hline Maintain 3.50 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}

Term hours subtotal: 14
\begin{tabular}{|c|c|c|c|}
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ACT 415: Probability for Risk Management & 3 & B \\
\hline M MAT 300: Mathematical Structures (L) & 3 & C \\
\hline 3 STP 420: Introductory Applied Statistics (CS) & 3 & B \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline Maintain 3.00 GPA in Major Courses. & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ACT 301: Risk Management and Insurance (SB) & 3 & B \\
\hline 5 ACT 430: Mathematics of Financial Derivatives & 3 & B \\
\hline MAT 371: Advanced Calculus I & 3 & C \\
\hline STP 427: Mathematical Statistics & 3 & B \\
\hline Upper Division CLAS Science and Society Elective & 3 & C \\
\hline
\end{tabular}Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Maintain 3.00 GPA in Major Courses.
Term hours subtotal: 15
Term 7 91-107 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|}
\hline ACT 441: Long-Term Actuarial Mathematics II & 3 & C \\
\hline ACT 451: Actuarial Models and Modeling II & 3 & C \\
\hline If ACT 491: Actuarial Exam Preparation Seminar & 1 & Y \\
\hline ACT 420: Ratemaking and Reserving & 3 & B \\
\hline Elective & 3 & \\
\hline \multicolumn{3}{|l|}{Maintain 3.00 GPA in Major Courses.} \\
\hline & 13 & \\
\hline
\end{tabular}
- Meet with your academic advisor for final degree check and apply for graduation through your My ASU.
- Students seeking VEE Accreditation, select elective from course list in note below.
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

The object of the degree is to prepare students to sit for exams to gain certification as an actuary. One of the optional certifications that individuals may pursue is completion of the VEE requirements from the Society of Actuaries or the Casualty Actuarial Society. This certification requires additional experience not covered in the maximum credits allowed for the degree. However, students may decide to include these additional courses in their 12 hours of elective credit. ASU courses that meet VEE requirements include:
- ACT 435 - requirement for Mathematical Statistics (Prerequisite(s) with B or better: MAT 342 or 343; STP 420)
- ECN 211 and ECN 212 - sequence requirement for Economics
- FIN 300 - requirement for Accounting and Finance (Prerequisite(s) with C or better: ACC 231, 232 or 261; ECN 212; ECN 221, ECN 231, IEE 380 or STP 280; MAT 211, 266 or 271; Non-Business min. 2.5 GPA and min. 56 hours; Pre- or corequisite: ACC 241, 242 or 271; Credit for only FIN 300, 302 or 303)

\section*{Hide Course List(s)/Track Group(s)}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\footnotetext{
General Studies Awareness Requirements:
}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{African and African American Studies - African Diaspora Studies, BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAAFRBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 1. AFR 200: Introduction to Africana Studies (SB \& G \& H) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}

\section*{Notes}
- An ACT, SAT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college specific equivalent First Year Seminar required of all freshmen
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Create a first draft resume \\
\hline Related Area Courses & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S.
(C)

3

Natural Science - Quantitative (SQ) 4
Elective 3
4. Complete First-Year Composition requirement.
1. Complete Mathematics (MA) requirement.
\begin{tabular}{|c|c|c|c|}
\hline Term 44-61 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Hide Course List(s)/Track Group(s)
Related Area Courses
AFR 202: Immigration and Ethnic Relations in
the U.S. (SB \& C)
AFR 301: Race and Racism in Africa/African
Diaspora (SB \& G)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
\begin{tabular}{ll} 
Cumulative GPA: 2.00 minimum & \(\bullet\) Literacy and Critical Inquiry (L) \\
Total hrs at ASU: 30 minimum & \(\bullet\) Mathematical Studies (MA) \\
Hrs Resident Credit for & \(\bullet\) Computer/Statistics/Quantitative Applications (CS) \\
Academic Recognition: 56 minimum & \(\bullet\) Humanities, Arts and Design (HU) \\
Total Community College Hrs: 64 maximum & \(\bullet\) Social-Behavioral Sciences (SB) \\
Total College Residency Hrs: 12 minimum & \(\bullet\) Natural Science - Quantitative (SQ) \\
& \(\bullet\) Natural Science - General (SG)
\end{tabular}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{African and African American Studies - African Studies, BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAAFRBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] \\
\hline 1. AFR 200: Introduction to Africana Studies (SB \& G \& H) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}

\section*{Notes}
- An ACT, SAT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college specific equivalent First Year Seminar required of all freshmen
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Related Area Courses & 3 & C & - Explore an internship \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AFR 301: Race and Racism in Africa/African Diaspora (SB \& G) & 3 & C & \\
\hline AFR 300: Precolonial Africa (SB \& G \& H) OR AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB \& H) OR AFR 340: The Making of Modern Africa (SB \& G \& H) & 3 & C & \\
\hline Upper Division African Studies Courses & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective OR AFR 484: Internship & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline AFR 300: Precolonial Africa (SB \& G \& H) OR AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB \& H) OR AFR 340: The Making of Modern Africa (SB \& G \& H) & 3 & C & \begin{tabular}{l}
- Gather professional references \\
- Use Handshake to research \\
employment opportunities
\end{tabular} \\
\hline Upper Division African Studies Courses & 3 & C & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Elective
\end{tabular} & 9 & & \\
\hline \multicolumn{4}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \multicolumn{4}{|l|}{\begin{tabular}{l}
Complete 2 courses: \\
Upper Division African Studies Courses \\
6 \\
C \\
- Apply for full-time career opportunities
\end{tabular}} \\
\hline Upper Division Related Area Courses & 3 & C & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § AFR 498: Pro-Seminar (L) & 3 & C & \\
\hline Upper Division African Studies Courses & 3 & C & \\
\hline Upper Division Related Area Courses & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline
\end{tabular}
- African Studies and Related Area Courses: To see a complete list of available courses schedule an appointment with an advisor in the School of Social Transformation. The following is a sample of the courses that will qualify for these areas.
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Related Area Courses & African Studies Courses \\
\hline AFR 202: Immigration and Ethnic Relations in the U.S. (SB \& C) & AFR 330: Survey of African American Politics (SB \& H) \\
\hline AFR 210: Introduction to African American Studies (C) & AFR 332: Life and Death in Ancient Egypt \\
\hline AFR 215: Bob Marley and Reggae: Lyrics of Resistance (HU \& G) & \begin{tabular}{l}
AFR 353: African American Literature: \\
Beginnings through the Harlem Renaissance ((L or HU) \& C)
\end{tabular} \\
\hline AFR 300: Precolonial Africa (SB \& G \& H) & \multirow[t]{2}{*}{AFR 366: African Archaeology: Precolonial Urban Culture (SB \& H)} \\
\hline \multirow[t]{2}{*}{AFR 304: Islands of Globalization: Caribbean Politics and Political Economy (SB \& G \& H)} & \\
\hline & AFR 372: Islam and Islamic Societies in \\
\hline \multirow[t]{2}{*}{AFR 330: Survey of African American Politics (SB \& H)} & Africa: Social and Political History (G) \\
\hline & \multirow[t]{2}{*}{AFR 466: Peoples and Cultures of Africa (SB \& G)} \\
\hline AFR 332: Life and Death in Ancient Egypt & \\
\hline AFR 335: Historical Studies in Race, Crime, and the Law & \\
\hline AFR 336: African Art (HU \& G) & \\
\hline AFR 350: Inequality and Diversity in Education (L \& C) & \\
\hline \begin{tabular}{l}
AFR 354: African American Literature: \\
Harlem Renaissance to the Present ((L or HU) \& C)
\end{tabular} & \\
\hline AFR 364: African American History Since 1865 ((HU or SB) \& C \& H) & \\
\hline AFR 365: Unruly Voices: Black Women and Cultural Narratives (HU \& C) & \\
\hline AFR 370: Family, Ethnic and Cultural Diversity (SB \& C) & \\
\hline AFR 372: Islam and Islamic Societies in Africa: Social and Political History (G) & \\
\hline AFR 375: Race, Gender and Sport (SB \& C) & \\
\hline AFR 383: Blacks in Science, Medicine and Public Health & \\
\hline AFR 420: Race Ethnicity and Politics in the African Diaspora (SB \& G) & \\
\hline AFR 428: Critical Race Theory & \\
\hline AFR 465: Harlem Renaissance: a Cultural History: 1877-1945 & \\
\hline AFR 470: Women's International Human Rights & \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{American Indian Studies, BS}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAAISBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1 AIS 180: Introduction to American Indian Studies (C) & 3 & C & \multirow[b]{12}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
- Select your career interest and play me3@ASU \\
Notes \\
Students are encouraged to consult with their academic advisor regarding the possibility of using elective hours toward completion of a certificate, minor or concurrent major that may complement the B.S. in American Indian Studies. Join a student club or professional organization
\end{tabular}} \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & \\
\hline 4 AIS 280: American Indian Sovereignty and the Courts (H \& C) & 3 & C & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Complete 2 courses:
Elective & 6 & & \\
\hline
\end{tabular} Elective

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal: 15
\begin{tabular}{|c|c|c|c|}
\hline Term 331-47 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline AIS Emphasis Area Course & 3 C \\
\hline Natural Science - Quantitative (SQ) & 4 \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 \\
\hline
\end{tabular}

Complete First-Year Composition requirement.
1. Complete Mathematics (MA) requirement.

Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 47-63 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline 1. AIS 285: Federal Indian Policy ( H \& C) & 3 & C & \multirow[t]{3}{*}{- Create a first draft resume.} \\
\hline 4. AIS Emphasis Area Course & 3 & C & \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline
\end{tabular}

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Students in the B.S. American Indian Studies choose 18 hours in one of two emphasis areas shown in the track groups below. At least 12 hours must be taken at the upper division level.


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Anthropology, BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAASBBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline ASB 102: Introduction to Cultural Anthropology (SB \& G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes \(((\mathrm{HU}\) or SB\() \& \mathrm{H})\) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) \& G \& H) & 3-4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Maintain 2.00 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Students must take ASB 102 and ASM 104. They will choose either ASB 222 or ASB 223.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU.
- Create a first draft resume.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ASB 102: Introduction to Cultural Anthropology (SB \& G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) \& H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) \& G \& H) & 3-4 & C & \begin{tabular}{l}
- Network in your career interest area. \\
- Join a student club or professional organization.
\end{tabular} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Elective & 2 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Maintain 2.00 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 16-17 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASB 102: Introduction to Cultural Anthropology (SB \& G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) \& H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) \& G \& H)
- Secure a part-time job or volunteer experience
- Develop your skills.
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) \({ }^{\text {C) }}\)} & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{Elective 3} & \\
\hline \multicolumn{4}{|l|}{4 Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{4}{|l|}{Maintain 2.00 GPA in Critical Tracking Courses.} \\
\hline \multirow[t]{2}{*}{Term hours subtotal:} & \multicolumn{2}{|l|}{14-13} & \\
\hline & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \multicolumn{3}{|l|}{STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR ASM 465: Quantification and Analysis for Anthropologists (CS)} & - Explore an internship. \\
\hline Humanities, Arts and Design (HU) & \multicolumn{2}{|l|}{3} & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.00 GPA in Critical Trackin..........................................................} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline . & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Field school opportunities (archaeological and physical) can count toward major degree requirements. Talk with your advisor about available opportunities. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Complete 3 courses: Elective & 9 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \% Upper Division Anthropology Practicum & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Research employment opportunities. \\
- Complete an in person or virtual practice interview.
\end{tabular}} \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Complete 3 courses: Upper Division Elective & 9 & & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & \multicolumn{2}{|l|}{} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § Upper Division Physical Anthropology Course & 3 & C & - Gather professional references. \\
\hline ASB OR ASM Upper Division Elective & 3 & C & - Apply for full-time career opportunities. \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}



ASB 395: Social Networks and Health (SB \& G)

ASB 395: Topics in Comparative Culture (SB
\& G)
ASB 402: Visual Anthropology
ASB 412: History of Anthropology (L or SB)

ASB 417: Political Anthropology (L)

ASB 421: Education and Society (SB)

ASB 430: Social Simulation (CS)

ASB 443: Cross-Cultural Studies in Global
Health ((L or SB) \& G)
ASB 452: Community Partnerships for Global
Health (SB)

ASB 455: Practicum for Social Sciences

ASB 462: Medical Anthropology: Culture and
Health (SB \& C)
ASB 463: Political Ecology of the Border (SB \& G)

ASB 464: The Ethnography of Mexico and the Borderlands (SB \& G)

ASB 466: Peoples and Cultures of Africa (SB \& G)

ASB 471: Introduction to Museums (L)
ASB 480: Principles of Linguistics
ASB 483: Sociolinguistics and the
Ethnography of Communication (SB)
ASB 485: U.S.-Mexico Border in Comparative Perspective

ASM 414: Urban and Environmental Health (SB)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ - Humanities, Arts and Design (HU) \\ Total Community College Hrs: 64 maximum \\ - Social-Behavioral Sciences (SB) \\ Total College Residency Hrs: 12 minimum \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences
Location: Online
LAASBBA
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ASB 102: Introduction to Cultural Anthropology (SB \& G) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) \& H) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) & 3-4 & C & - An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses. \\
\hline ASU 101-UC: The ASU Experience & 1 & & - Mathematics Placement Assessment \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR & 3 & C & score determines placement in mathematics course. \\
\hline ENG 107 or ENG 108: First-Year Composition & & & - ASU 101 or college-specific equivalent \\
\hline Term hours subtotal: & 7-8 & & \begin{tabular}{l}
First-Year Seminar is required for all freshman students. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-12 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - View ASU Online first-time freshmen registration information here. \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 5 & & \\
\hline Term 2-A 12-19 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASB 102: Introduction to Cultural Anthropology (SB \& G) OR ASB
222: Buried Cities and Lost Tribes ((HU or SB) \& H) OR ASM 104: 3-4 C
Bones, Stones, and Human Evolution (SB or SG)
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.
\[
\text { Term hours subtotal: } \quad 7-8
\]
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-26 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- Network in your career interest area.
\end{tabular}} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-A 26-34 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ASB 102: Introduction to Cultural Anthropology (SB \& G) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) \& H) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) & 4-3 & C & - Students must take both ASB 102 and ASM 104. They will choose either ASB 222 or ASB 223. \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4 C
C
- Join a student club or professional organization.

Term hours subtotal:
8-7
\begin{tabular}{|c|c|c|c|c|}
\hline Term 3-B 34-41 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & \multicolumn{2}{|r|}{Hours} & & Notes \\
\hline \multicolumn{5}{|l|}{\begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular}} \\
\hline \multicolumn{5}{|l|}{Elective 3} \\
\hline \multicolumn{5}{|l|}{1 Complete First-Year Composition requirement.} \\
\hline \multicolumn{5}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{5}{|c|}{Term hours subtotal: 7} \\
\hline Term 4-A 41-47 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & & & Notes \\
\hline
\end{tabular}

STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS)
Elective 3
Term hours subtotal:
6
- Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Secure a part-time job or volunteer experience.
\begin{tabular}{|c|c|c|c|}
\hline Term 4-B 47-54 Credit Hours & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-A 54-60 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Literacy and Critical Inquiry (L) & 3 & & \multirow[t]{3}{*}{- Develop your skills.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 60-66 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Sociocultural Course & 3 & C & \multirow[t]{3}{*}{- Explore an internship.} \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S.
(C) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 66-72 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & \multicolumn{2}{|l|}{3} & \multirow[t]{3}{*}{- Develop your professional online presence.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 72-78 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W Upper Division Anthropology Practicum & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Elective 3} & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7 - A 78-84 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \multirow{3}{*}{- Research employment opportunities.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 84-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Uper Division Physical Anthropology Course & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 90-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ASB OR ASM Upper Division Elective & 3 & C & \multirow{3}{*}{- Complete an in person or virtual practice interview.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 96-102 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 102-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I Upper Division Archaeology Course & 3 & C & \multirow[t]{3}{*}{- Gather professional references.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 108-114 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 114-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline A ASB OR ASM Upper Division Elective & 3 & C & - Apply for full-time career opportunities. \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}

\section*{Hide Course List(s)/Track Group(s)}

Physical Anthropology Courses
ASB 301: Global History of Health (SB \& G \(\quad\) ASB 395: Social Networks and Health
\& H)
ASM 345: Disease and Human Evolution \begin{tabular}{l} 
ASM 414: Urban and Environmental Health \\
\hline
\end{tabular}

ASB 301: Global History of Health (SB \& G \& H)

ASB 335: Ancient Ruins of the Southwest (SB \& H \& C)

ASB 337: Pyramids and Hieroglyphs: Life in Ancient Mesoamerica ((HU or SB) \& G \& H)

Sociocultural Courses

ASB 300: Food and Culture ((L or SB) \& C)

ASB 305: Poverty and Global Health ((L or
SB) \& G)
ASB 316: Money and Culture (L or SB)

ASB 327: Disaster! ((L or SB) \& C)

ASB 378: McGlobalization: Migration, Mass
Media and McDonald's ((L or SB) \& C)

ASB 395: Social Networks and Health (SB \&
G)

ASB 395: Topics in Comparative Culture (SB \& G)

ASB 462: Medical Anthropology: Culture and Health (SB \& C)

ASM 414: Urban and Environmental Health (SB)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Anthropology, BS}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAASBBS
\begin{tabular}{|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline ASB 102: Introduction to Cultural Anthropology (SB \& G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes \(((\mathrm{HU}\) or SB) \& H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) \& G \& H) & 3-4 & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Elective & 3 & \\
\hline Maintain 2.00 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}

Term hours subtotal:
13-14
\begin{tabular}{|c|c|c|c|}
\hline Term 2 13-30 Credit Hours Critical course signified by \({ }^{\text {P }}\) & Hours & Minimum Grade & Notes \\
\hline ASB 102: Introduction to Cultural Anthropology (SB \& G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes \(((\mathrm{HU}\) or SB\() \& \mathrm{H})\) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) \& G \& H) & 4-3 & & \multirow[t]{8}{*}{\begin{tabular}{l}
- Network in your career interest area. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline MAT 251: Calculus for Life Sciences (MA) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline 1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Maintain 2.00 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 17-16 & & \\
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ASB 102: Introduction to Cultural Anthropology (SB \& G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) \& H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) \& G \& H) & 3-4 & & \begin{tabular}{l}
- Secure a part-time job or volunteer experience. \\
- Develop your skills.
\end{tabular} \\
\hline ASB OR ASM Elective & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline
\end{tabular}

ASB 102: Introduction to Cultural Anthropology (SB \& G) OR ASM104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes \(((\mathrm{HU}\) or SB\() \& \mathrm{H})\) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) \& G \& H)

ASB OR ASM Elective 3
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course. Students who do not test into the MAT 251 course must take the math they do place into in the first term. Do not take MAT 142 as it is not a prerequisite to MAT 251.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Students must take ASB 102 and ASM 104. They will choose between ASB 222 and ASB 223.
- Select your career interest area and play me3@ASU
- Create a first draft resume.

\begin{tabular}{|c|c|c|}
\hline ASM 300: Anthropological Sciences Seminar & 3 & C \\
\hline 3 ASM Upper Division Elective & 3 & C \\
\hline Upper Division CLAS Science and Society Elective & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & \\
\hline
\end{tabular}
- Field school opportunities (archaeological or physical) can count toward major degree requirements. Talk to your advisor for available opportunities.
- Develop your professional online presence.

Term hours subtotal: 15
\begin{tabular}{|c|c|c|c|}
\hline Term 6 75-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASM 465: Quantification and Analysis for Anthropologists (CS) OR
 BIO 415: Biometry (CS) OR SOC 390: Social Statistics I (CS)

3-4 C

3

C

ASB OR ASM Upper Division Elective
Upper Dive........................................................................................................................................................

Complete 2 courses:

6

ElectiveComplete Global Awareness (G) AND Cultural Diversity in the U.S.
(C) AND Historical Awareness (H) course(s)

Term hours subtotal:
15-16
\begin{tabular}{|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline \% ASM Upper Division Elective & 3 & C \\
\hline ASB OR ASM Upper Division Elective & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline Upper Division Elective OR ASB 484: Internship & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Research employment opportunities.
- Complete an in person or virtual practice interview.
\begin{tabular}{|c|c|c|c|}
\hline Term 8 105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\footnotetext{
Complete 2 courses:
}

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

\section*{Hide Course List(s)/Track Group(s)}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Mathematics for Life and Social Sciences, BS}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAAMLBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA) & 3 & C \\
\hline BIO 181: General Biology I (SQ) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C \\
\hline Minimum 2.00 GPA in STP and MAT. & & \\
\hline Term hours sub & 15 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course and eligibility for AML 100
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Select your career interest area and play me3@ASU.
- Create a first draft resume.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS) & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. \\
- Use the SB course in this term as a prerequisite for upper division work in the Social Science track. Recommended courses are found in track list below. \\
- Network in your career interest area. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C & \\
\hline BIO 182: General Biology II (SG) & 4 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA in STP and MAT. & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{(\%)}\) & Hours & Minimum Grade & Notes \\
\hline MAT 272: Calculus with Analytic Geometry III (MA) & 4 & C & \multirow{9}{*}{\begin{tabular}{l}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. \\
- Secure a part-time job or volunteer experience. \\
- Develop your skills.
\end{tabular}} \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Minimum 2.00 GPA in STP and MAT. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}


AML 406: Directed Reading and Research in Applied Mathematics for the Life and Social Sciences

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
Recommended SB courses
ASB 102: Introduction to Cultural
Anthropology (SB \& G)
CDE 232: Human Development (SB)
JUS 105: Introduction to Justice Studies (SB)
POS 110: American Government and Politics
(SB)
PSY 101: Introduction to Psychology (SB)
SOC 101: Introductory Sociology (SB)

Upper Division Applied Mathematics
AML 441: Mathematical Concepts and Tools in Sustainability

MAT 300: Mathematical Structures (L)
Upper Division Life Science
BIO 320: Fundamentals of Ecology
BIO 321: Introductory Ecology Laboratory
BIO 406: Computer Applications in Biology
BIO 410: Techniques in Conservation Biology
and Ecology (L)
BIO 411: Quantitative Methods in
Conservation and Ecology
BIO 415: Biometry (CS)
BIO 417: Experimental Design
BIO 423: Population and Community Ecology
BIO 424: Dynamic Modeling in Social and
Ecological Systems
BIO 455: Introduction to Comparative
Genomics

Upper Division Social Science

ASB 430: Social Simulation (CS)

ASM 345: Disease and Human Evolution ASM 465: Quantification and Analysis for Anthropologists (CS) GCU 496: Geographic Research Methods (L)

GIS 341: Introduction to Cartography and Georepresentation (CS) GIS 470: Statistics for Geographers (CS) GIS 471: Spatial Statistics for Geography and Planning JUS 301: Research in Justice Studies (SB) JUS 302: Statistical Analysis for Justice Studies (CS)

POS 301: Empirical Political Inquiry (SB) POS 401: Political Statistics (CS) POS 485: Political Economy (SB) SOC 331: Environmental Sociology (SB \& G) SOC 390: Social Statistics I (CS) SOC 391: Research Methods (L or SB) SOC 443: Sociology of Corporations (SB \& G)

SOC 448: Epidemics and Society (SB \& G)

MAT 343: Applied Linear Algebra
MAT 351: Mathematical Methods for Genetic
Analysis (CS)
MAT 355: Introduction to Computational
Molecular Biology (CS)
MAT 362: Advanced Mathematics for
Engineers and Scientists
MAT 371: Advanced Calculus I

MAT 451: Mathematical Modeling (CS)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAHSTEABA
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{\boldsymbol{4}}\) & Hours & Minimum Grade \\
\hline \begin{tabular}{l}
HST 111: Introduction to Asia (HU \& H \& G) OR REL 111: \\
Introduction to Asia (HU \& H \& G)
\end{tabular} & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Chinese, Japanese, or Korean language course at the intermediate level (202 or equivalent).
\end{tabular} & 5 & C \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman students
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Except for courses marked "critical" or "necessary," the sequence of required and elective courses will vary with each student \\
\hline Across Asia Course & 3 & C & according to individual choices and the \\
\hline Second Language: Requirement satisfied through the following: * Completion of Chinese, Japanese, or Korean language course at the intermediate level (202 or equivalent). & 5 & C & \begin{tabular}{l}
schedule of classes. \\
- Join a student club or professional organization.
\end{tabular} \\
\hline Natural Science - Quantitative (SQ) & 4 & & - If interested in law school, review the Pre-Law at ASU website. \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Outside East Asia Course & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Chinese, Japanese, or Korean language course at the intermediate level (202 or equivalent).
\end{tabular} & 5 & C & \begin{tabular}{l}
course that also satisfies the Cultural \\
Diversity (C) requirement is recommended. \\
- Some General Studies requirements can
\end{tabular} \\
\hline Literacy and Critical Inquiry (L) & 3 & & overlap with major courses, leaving more \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & room for electives. Consult an academic advisor to select the best courses for your \\
\hline Elective & 1 & & - Explore opportunities to study abroad. \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. East Asia Concentration Course & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking. \\
- If interested in law school, make an appointment with the pre-law advisor.
\end{tabular}} \\
\hline Across Asia Course & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Chinese, Japanese, or Korean language course at the intermediate level ( 202 or equivalent).
\end{tabular} & 5 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Wpper Division East Asia Concentration Course & 3 & C & \multirow{6}{*}{- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies.} \\
\hline Upper Division East Asia Elective & 3 & C & \\
\hline Outside East Asia Course & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Wpper Division East Asia Concentration Course & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Explore graduate school opportunities. \\
- If planning on law school, prepare to take the LSAT. \\
- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor.
\end{tabular}} \\
\hline Upper Division East Asia Elective & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective OR HST 484: Internship & 3 & & \\
\hline \begin{tabular}{l}
\(\approx\) Complete Cultural Diversity in the U.S. (C) AND Global \\
Awareness (G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division East Asia Concentration Course & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Use Handshake to research employment opportunities. \\
- Attend career fairs, workshops and related events offered by Career and Professional Development Services.
\end{tabular}} \\
\hline Upper Division Outside East Asia Course & 3 & C & \\
\hline East Asia Elective & 3 & C & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline H HST 496: South, Southeast, and East Asia in the Global Matrix & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- HST 496 is the required capstone course for the major and is only offered in spring terms. \\
- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters. \\
- Apply for career opportunities.
\end{tabular}} \\
\hline Upper Division East Asia Concentration Course & 3 & C & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Elective
\end{tabular} & 9 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.

Students must choose an East Asia Concentration of either China or Japan. Please refer to the appropriate list below.

For the East Asia Electives requirement, in addition to the courses shown in the East Asia Electives list, students may choose more courses from the concentration list or the area not chosen as concentration (i.e., students completing the Chinese concentration may use courses from the Japanese list and/or additional courses from the Chinese list as East Asia Electives).

Hide Course List(s)/Track Group(s)

\begin{tabular}{|c|c|}
\hline REL 347: Peace and Conflict in India ((L or HU) \& G) & \\
\hline \multicolumn{2}{|l|}{REL 348: Religion and Culture in Southeast} \\
\hline \multicolumn{2}{|l|}{Asia} \\
\hline \multicolumn{2}{|l|}{REL 350: Hinduism ((L or HU) \& G)} \\
\hline \multicolumn{2}{|l|}{REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) \& G)} \\
\hline \multicolumn{2}{|l|}{REL 364: Islam in Eurasia and Central Asia} \\
\hline \multicolumn{2}{|l|}{REL 365: Islamic Civilization (HU \& H)} \\
\hline \multicolumn{2}{|l|}{REL 366: Islam in the Modern World (HU \& G)} \\
\hline East Asia Concentration - Japan & East Asia Concentration - China \\
\hline ARS 473: Art of Japan (HU) & ARS 472: Art of China (HU) \\
\hline HST 108: Introduction to Japan (SB \& G \& H) & ARS 475: Chinese Painting (HU) \\
\hline HST 303: History of Religions in Japan (SB \& H), Technology, Culture \& Society in Modern Japan (SB \& H), WWII in Asia: Cultures of War (SB \& H) & CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU) \\
\hline HST 387: Japan ((L or SB) \& H) & CHI 307: Introduction to Literary Chinese I (HU) \\
\hline HST 388: Japan (SB \& G \& H) & CHI 308: Classical Chinese II (HU) \\
\hline HST 389: Japan Society and Values/Premod & CHI 321: Chinese Literature (HU) \\
\hline \multirow[t]{2}{*}{JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)} & CHI 322: Chinese Literature (HU \& G) \\
\hline & CHI 345: Chinese Film and Civilization \\
\hline \multirow[t]{2}{*}{JPN 315: The Language of Japanese Popular Culture I: Gender and Onomatopoeia/Mimesis (G)} & CHI 348: Pathways into Chinese Culture \\
\hline & CHI 430: Readings in Chinese Religions (HU \\
\hline \multirow[t]{2}{*}{JPN 316: The Language of Japanese Popular Culture II: Honorifics and Dialects (G)} & \& G) \\
\hline & CHI 450: Classical Prose \\
\hline JPN 401: Reading Modern Japanese Texts I ((L or HU\() \& \mathrm{G})\) & CHI 461: Readings in Traditional Chinese Literature I \\
\hline JPN 414: Introduction to Classical Japanese & \multirow[t]{2}{*}{CHI 462: Readings in Traditional Chinese Literature II} \\
\hline JPN 415: Advanced Classical Japanese & \\
\hline JPN 485: Literary Translation: Theory and Practice & CHI 470: Modern Chinese Literature and Culture \\
\hline \multirow[t]{2}{*}{REL 344: Religion and Values in Japanese Life (HU \& G)} & GCU 432: Geography of China (SB \& G) \\
\hline & HST 303: History of Modern China: From \\
\hline REL 355: Japanese Cities and Cultures to 1800 (HU) & \begin{tabular}{l}
Taiping to Tiananmen (SB \& H), Modern \\
China: Personal Narratives and Histories (SB \\
\& H), Modern China: Violence (SB \& H), The
\end{tabular} \\
\hline SLC 421: Japanese Literature in Translation ((L or HU) \& G) & Family in Modern China (SB \& H) \\
\hline & HST 383: China (SB \& H) or CHI 333: China (SB \& H) or SLC 333: China (SB \& H) \\
\hline
\end{tabular}
\begin{tabular}{|c|}
\hline HST 385: History of Chinese Medicine (HU \& H \& G) or CHI 335: History of Chinese Medicine (HU \& H \& G) or SLC 335: History of Chinese Medicine (HU \& H \& G) \\
\hline HST 386: Interpreting China's Classics ((L or HU) \& H) or CHI 336: Interpreting China's Classics ((L or HU) \& H) or SLC 336: Interpreting China's Classics ((L or HU) \& H) \\
\hline HST 451: Chinese Cultural History I ((HU or SB) \& H) or CHI 451: Chinese Cultural History I ((HU or SB) \& H) or SLC 451: Chinese Cultural History I ((HU or SB) \& H) \\
\hline HST 452: Chinese Cultural History II (SB \& G \& H) or CHI 452: Chinese Cultural History II (SB \& G \& H) or SLC 452: Chinese Cultural History II (SB \& G \& H) \\
\hline HST 453: The People's Republic of China (SB \& G \& H) \\
\hline POS 452: China (SB \& G) \\
\hline REL 338: The Daoist Bible: Daode jing (HU \& L) or CHI 338: The Daoist Bible: The Daode jing (HU \& L) \\
\hline REL 343: Daoism ((L or HU) \& G \& H) or CHI 343: Daoism ((L or HU) \& G \& H) \\
\hline REL 346: Chinese Religions or CHI 346: Chinese Religions \\
\hline SGS 311: Urbanization in China \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAHSTSABA
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline HST 111: Introduction to Asia (HU \& H \& G) OR REL 111: Introduction to Asia (HU \& H \& G) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Hindi language course(s) at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C \\
\hline Elective & 2 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman students
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to ensure the course level is appropriate. Students who are already proficient in a second language may take a proficiency exam.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Except for courses marked "critical" or "necessary," the sequence of required and \\
\hline Across Asia course & 3 & C & according to individual choices and the \\
\hline Second Language: Requirement satisfied through the following: * Completion of Hindi language course(s) at the intermediate level (202 or equivalent). & 4 & C & \begin{tabular}{l}
schedule of classes. \\
- Join a student club or professional organization.
\end{tabular} \\
\hline Natural Science - Quantitative (SQ) & 4 & & - If interested in law school, review the Pre-Law at ASU website. \\
\hline \multicolumn{4}{|l|}{4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). \(\quad\) Pre-Law at ASU website.} \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 3 30-46 Credit Hours Critical course signified by \({ }^{\text {P }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

HST 245: Introduction to South Asia (HU \& H \& G) or POS 245: Introduction to South Asia (HU \& H \& G) or REL 245: Introduction to South Asia (HU \& H \& G) or SGS 245: Introduction to South Asia 3
G) OR South Asia Concentration Course

Second Language: Requirement satisfied through the following:
* Completion of Hindi language course(s) at the intermediate level (202 or equivalent).

Computer/Statistics/Quantitative Applications (CS)
3
Literacy and Critical Inquiry (L)
3
Social-Behavioral Sciences (SB)
3
- Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Explore opportunities to study abroad.

Complete Mathematics (MA) requirement.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 46-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Outside South Asia course & 3 & C \\
\hline Across Asia course & 3 & C \\
\hline Second Language: Requirement satisfied through the following: * Completion of Hindi language course(s) at the intermediate level (202 or equivalent). & 4 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.
- If interested in law school, make an appointment with the pre-law advisor.
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division South Asia Concentration course & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended. \\
- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor.
\end{tabular}} \\
\hline Upper Division South Asia Elective course & 3 & C & \\
\hline Outside South Asia course & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective OR HST 484: Internship & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Upper Division South Asia Concentration course & 3 & C & \multirow[t]{3}{*}{- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious} \\
\hline Upper Division South Asia Elective course & 3 & C & \\
\hline South Asia Elective course & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \begin{tabular}{l}
Studies. \\
- Explore graduate school opportunities.
\end{tabular} \\
\hline Humanities, Arts and Design (HU) & 3 & & - If planning on law school, prepare to take \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division South Asia Concentration course & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Use Handshake to research employment opportunities. \\
- Attend career fairs, workshops and related events offered by Career and Professional Development Services.
\end{tabular}} \\
\hline Upper Division Outside South Asia course & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Complete 2 courses: & & & \\
\hline
\end{tabular}
\[
\text { Term hours subtotal: } \quad 15
\]
Term 8 105-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(|\)

\footnotetext{
Complete 3 courses:
}
- HST 496 is the required capstone course for the major and is only offered in spring terms.

- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.
- Apply for career opportunities.
- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.

For the South Asia Electives requirement, in addition to the courses shown in the South Asia Electives list, students may take any courses in the South Asia Concentration list that were not used to fulfill the concentration.
\begin{tabular}{|c|c|}
\hline Across Asia Courses & South Asia Concentration \\
\hline ARS 201: Art of Asia (HU \& H \& G) & \multirow[t]{2}{*}{ARS 444: Films of India or FMS 426: Films of India} \\
\hline GCU 326: Geography of Asia (SB \& G) & \\
\hline HST 106: Asian Civilizations ((HU or SB) \& G \& H) & \multirow[t]{3}{*}{HST 245: Introduction to South Asia (HU \& H \& G) or POS 245: Introduction to South Asia (HU \& H \& G) or REL 245: Introduction to South Asia (HU \& H \& G) or SGS 245: Introduction to South Asia (HU \& H \& G) or SLC 245: Introduction to South Asia (HU \& H \& G)} \\
\hline HST 107: Asian Civilizations (SB \& G \& H) & \\
\hline HST 201: Historical Themes in Asia & \\
\hline \multirow[t]{2}{*}{HST 303: ASIA: Women in Asia (SB \& H), Film and Politics in Colonial Asia (SB \& H), The British Empire in Asia (SB \& H), WWII in Asia: Cultures of War (SB \& H)} & HST 392: Modern India \\
\hline & HST 459: Gandhi and the Politics of Nonviolence \\
\hline POS 468: Comparative Asian foreign Policies (SB \& G) & POS 357: South Asia Politics (SB \& G) \\
\hline REL 345: Asian Religious Traditions (HU \& G) & REL 347: Peace and Conflict in India ((L or HU) \& G) \\
\hline REL 351: Buddhism ((L or HU) \& G) & REL 350: Hinduism ((L or HU) \& G) \\
\hline Outside South Asia & \\
\hline ARS 472: Art of China (HU) & \\
\hline ARS 473: Art of Japan (HU) & \\
\hline ARS 475: Chinese Painting (HU) & \\
\hline ASB 325: Peoples of Southeast Asia (G) & \\
\hline CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU) & \\
\hline CHI 205: Chinese Calligraphy & \\
\hline CHI 321: Chinese Literature (HU) & \\
\hline CHI 322: Chinese Literature (HU \& G) & \\
\hline CHI 345: Chinese Film and Civilization & \\
\hline GCU 432: Geography of China (SB \& G) & \\
\hline
\end{tabular}

\section*{South Asia Electives}

DCE 114: Dances of India I
HST 302: Women, War and Peace ((HU or SB) \& G \& H)

POS 468: Comparative Asian foreign Policies (SB \& G)

REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) \& G)

REL 365: Islamic Civilization (HU \& H)

REL 366: Islam in the Modern World (HU \& G)

GCU 433: Geography of Southeast Asia
HST 108: Introduction to Japan (SB \& G \& H)
HST 240: Introduction to Southeast Asia ((HU or SB) \& G) or ASB 240: Introduction to Southeast Asia ((HU or SB) \& G) or GCU 240: Introduction to Southeast Asia ((HU or SB) \& G) or POS 240: Introduction to Southeast Asia ((HU or SB) \& G) or REL 240: Introduction to Southeast Asia ((HU or SB) \& G) or SGS 240: Introduction to Southeast Asia ((HU or SB) \& G)

HST 303: China,Japan \& East Asia in World History (SB \& H), History of Modern China: From Taiping to Tiananmen (SB \& H), History of Religions in Japan (SB \& H), Modern China: Personal Narratives and Histories (SB \& H), Modern China: Violence (SB \& H), Technology, Culture \& Society in Modern Japan (SB \& H), The Family in Modern China (SB \& H)

HST 383: China (SB \& H) or CHI 333: China (SB \& H) or SLC 333: China (SB \& H)

HST 384: Modern China: 1700 to the Present (SB \& G \& H)

HST 385: History of Chinese Medicine (HU \& H \& G) or CHI 335: History of Chinese Medicine (HU \& H \& G) or SLC 335: History of Chinese Medicine (HU \& H \& G)

HST 386: Interpreting China's Classics ((L or HU) \& H) or CHI 336: Interpreting China's Classics ((L or HU) \& H) or SLC 336: Interpreting China's Classics ((L or HU) \& H) HST 387: Japan ((L or SB) \& H)

HST 388: Japan (SB \& G \& H)
HST 389: Japan Society and Values/Premod
HST 391: Modern Southeast Asia (SB \& G \& H) or SGS 381: Modern Southeast Asia (SB \& G \& H)

HST 451: Chinese Cultural History I ((HU or SB) \& H) or CHI 451: Chinese Cultural History I ((HU or SB) \& H) or SLC 451: Chinese Cultural History I ((HU or SB) \& H) HST 452: Chinese Cultural History II (SB \& G \& H) or CHI 452: Chinese Cultural History II (SB \& G \& H) or SLC 452: Chinese Cultural History II (SB \& G \& H)

HST 453: The People's Republic of China (SB \& G \& H) HST 456: The Vietnam War (SB \& G \& H)

JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)

KOR 250: Korean Culture and Society (HU \& G)

KOR 321: Modern Korean Literature or SLC
321: Modern Korean Literature

KOR 347: Korean Film and Literature (HU)

KOR 350: Women of Korea (H)

KOR 457: Premodern Korea in a Global
Context or SLC 457: Premodern Korea in a Global Context

MUP 489: Gamelan

POS 358: Southeast Asia (SB \& G)

POS 451: China, Japan, and the Koreas (SB \& G)

POS 452: China (SB \& G)

REL 338: The Daoist Bible: Daode jing (HU
\& L) or CHI 338: The Daoist Bible: The Daode jing (HU \& L)

REL 343: Daoism ((L or HU) \& G \& H) or CHI 343: Daoism ((L or HU) \& G \& H)

REL 344: Religion and Values in Japanese Life (HU \& G)

REL 346: Chinese Religions or CHI 346: Chinese Religions

REL 348: Religion and Culture in Southeast
Asia

REL 352: Modern Buddhism

REL 354: Religions of Korea (HU) or KOR
354: Religions of Korea (HU)

REL 355: Japanese Cities and Cultures to 1800 (HU)

REL 364: Islam in Eurasia and Central Asia

SGS 311: Urbanization in China

SLC 421: Japanese Literature in Translation
((L or HU) \& G)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAHSTSEABA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Introduction to Asia (HU \& H \& G) & 3 & C \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline Second Language: Requirement satisfied through the following * Completion of Southeast Asian language course(s) (Thai, Vietnamese, or Indonesian) at the intermediate level (202 or equivalent). & 5 & C \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman students
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to ensure the course level is appropriate. Students who are already proficient in a second language may take a proficiency exam.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Except for courses marked "critical" or "necessary," the sequence of required and elective courses will vary with each student according to individual choices and the schedule of classes. \\
- Join a student club or professional organization. \\
- If interested in law school, review the Pre-Law at ASU website.
\end{tabular}} \\
\hline Across Asia Course & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Southeast Asian language course(s) (Thai, Vietnamese, or Indonesian) at the intermediate level (202 or equivalent).
\end{tabular} & 5 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{(4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 330-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASB 240: Introduction to Southeast Asia ((HU or SB) \& G) or GCU
240: Introduction to Southeast Asia ((HU or SB) \& G) or HST 240:
4. Introduction to Southeast Asia \(((\mathrm{HU}\) or SB) \& G) or POS 240: Introduction to Southeast Asia ((HU or SB) \& G) or REL 240: Introduction to Southeast Asia ((HU or SB) \& G) or SGS 240: Introduction to Southeast Asia ((HU or SB) \& G)
Second Language: Requirement satisfied through the following:
* Completion of Southeast Asian language course(s) (Thai,

Vietnamese, or Indonesian) at the intermediate level (202 or equivalent).
- Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Explore opportunities to study abroad.


Complete Cultural Diversity in the U.S. (C) AND Global
Awareness (G) AND Historical Awareness (H) course(s).
Term hours subtotal:
15
Term 7 90-105 Credit Hours Necessary course signified by
Hours
Minimum
Grade
- Use Handshake to research employment opportunities.
- Attend career fairs, workshops and related events offered by Career and Professional Development Services.
\begin{tabular}{|c|c|c|c|}
\hline Term 8 105-120 Credit Hours Necessary course signified by & Hours & Grade & Notes \\
\hline HST 496: South, Southeast, and East Asia in the Global Matrix & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- HST 496 is the required capstone course for the major and is only offered in spring terms. \\
- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters. \\
- Apply for career opportunities.
\end{tabular}} \\
\hline Upper Division Southeast Asia concentration & 3 & C & \\
\hline Complete 3 courses: Upper Division Elective & 9 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.

For the Southeast Asia Electives requirement, in addition to the courses shown in the Southeast Asia Electives list, students may take any courses in the Southeast Asia Concentration list that were not used to fulfill the concentration.
Hide Course List(s)/Track Group(s)
Across Asia
ARS 201: Art of Asia (HU \& H \& G)
GCU 326: Geography of Asia (SB \& G)
HST 106: Asian Civilizations ((HU or SB) \&
G \& H)
HST 107: Asian Civilizations (SB \& G \& H)
HST 201: Historical Themes in Asia
HST 303: ASIA: Women in Asia (SB \& H)
HST 303: Film and Politics in Colonial Asia
(SB \& H)
HST 303: The British Empire in Asia (SB \&
H)
ARS 475: Chinese Painting (HU)
ARS 472: Art of China (HU)
AST 303: WWII in Asia: Cultures of War (SB
\& H)
India
POS 473: Art of Japan (HU)
REL 358: Comparative Asian Foreign Policies
(SB \& G)
REL 345: Asian Religious Traditions (HU \&
G)
REL 350: Hinduism ((L or HU) \& G)
AR
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CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)

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CHI 205: Chinese Calligraphy

CHI 321: Chinese Literature (HU)

CHI 322: Chinese Literature (HU \& G)

CHI 345: Chinese Film and Civilization

DCE 114: Dances of India I

GCU 432: Geography of China (SB \& G)
HST 108: Introduction to Japan (SB \& G \& H)
HST 245: Introduction to South Asia (HU \& H \& G) or POS 245: Introduction to South Asia (HU \& H \& G) or REL 245: Introduction to South Asia (HU \& H \& G) or SGS 245: Introduction to South Asia (HU \& H \& G) or SLC 245: Introduction to South Asia (HU \& H \& G)

HST 302: Women, War and Peace ((HU or SB) \& G \& H)

HST 303: China,Japan \& East Asia in World History (SB \& H)

HST 303: History of Modern China: From Taiping to Tiananmen (SB \& H)

HST 303: History of Religions in Japan (SB \& H)

HST 303: Modern China: Personal Narratives and Histories (SB \& H)

HST 303: Modern China: Violence (SB \& H)

HST 303: Technology, Culture \& Society in Modern Japan (SB \& H)

HST 303: The Family in Modern China (SB \& H)

HST 383: China (SB \& H) or CHI 333: China
(SB \& H) or SLC 333: China (SB \& H)

HST 384: Modern China: 1700 to the Present (SB \& G \& H)

HST 385: History of Chinese Medicine (HU \& H \& G) or CHI 335: History of Chinese Medicine (HU \& H \& G) or SLC 335: History of Chinese Medicine (HU \& H \& G)

HST 386: Interpreting China's Classics ((L or HU) \& H) or CHI 336: Interpreting China's Classics ((L or HU) \& H) or SLC 336:
Interpreting China's Classics ((L or HU) \& H)

HST 387: Japan ((L or SB) \& H)

HST 388: Japan (SB \& G \& H)
HST 389: Japan Society and Values/Premod HST 392: Modern India

HST 451: Chinese Cultural History I ((HU or SB) \& H) or CHI 451: Chinese Cultural History I ((HU or SB) \& H) or SLC 451: Chinese Cultural History I ((HU or SB) \& H)

HST 452: Chinese Cultural History II (SB \& G \& H) or CHI 452: Chinese Cultural History II (SB \& G \& H) or SLC 452: Chinese Cultural History II (SB \& G \& H)

HST 453: The People's Republic of China (SB \& G \& H)

HST 459: Gandhi and the Politics of Nonviolence JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G) KOR 250: Korean Culture and Society (HU \& G)

KOR 321: Modern Korean Literature or SLC 321: Modern Korean Literature

KOR 347: Korean Film and Literature (HU)
KOR 350: Women of Korea (H)
KOR 457: Premodern Korea in a Global Context or SLC 457: Premodern Korea in a Global Context POS 357: South Asia Politics (SB \& G)

POS 451: China, Japan, and the Koreas (SB \& G)

POS 452: China (SB \& G)

REL 338: The Daoist Bible: Daode jing (HU \& L) or CHI 338: The Daoist Bible: The Daode jing (HU \& L)

REL 343: Daoism ((L or HU) \& G \& H) or CHI 343: Daoism ((L or HU) \& G \& H)

REL 344: Religion and Values in Japanese Life (HU \& G)

REL 346: Chinese Religions or CHI 346: Chinese Religions

REL 347: Peace and Conflict in India ((L or HU) \& G)

REL 350: Hinduism ((L or HU) \& G)
REL 354: Religions of Korea (HU) or KOR 354: Religions of Korea (HU)

REL 355: Japanese Cities and Cultures to 1800
(HU)
REL 364: Islam in Eurasia and Central Asia
REL 365: Islamic Civilization (HU \& H)
REL 366: Islam in the Modern World (HU \&
G)

SGS 311: Urbanization in China
SLC 421: Japanese Literature in Translation
((L or HU\() \& \mathrm{G})\)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Asian Languages (Chinese), BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LACHIBA
\begin{tabular}{l} 
Term 10 - 15 Credit Hours Critical course signified by 4 \\
(4. SLC 201: Introduction to Linguistics (HU or SB) \\
\hline CHI 101: First-Year Chinese I (G) \\
\hline ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition \\
Grade
\end{tabular}

Term hours subtotal: \(\quad 15-18\)
\begin{tabular}{|l|l|l|l|}
\hline Term 2 2 15- \(\mathbf{3 0}\) Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

CHI 102: First-Year Chinese II (G) \(\quad 5-8 \quad\) C
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR 3

C ENG 107 or ENG 108: First-Year Composition Computer/Statistics/Quantitative Applications (CS) Elective 4 Maintain 2.33 GPA in Critical Tracking Courses.
!. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
15-18
\begin{tabular}{|c|c|c|}
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline 4. CHI 120: Introduction to Chinese Culture (L or HU) & 3 & C \\
\hline CHI 201: Second-Year Chinese I (G) & 5-8 & C \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}
4. Complete First-Year Composition requirement.
1. Complete Mathematics (MA) requirement.

Maintain 2.33 GPA in Critical Tracking Courses.

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- ASU Language Placement: Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language are required to take a language placement test.
- Learn about Chinese language intensive courses.
- Learn about the Chinese Language Flagship Program.
- Engage in Chinese at ASU.
- Students interested in the Chinese Flagship Program should meet with a Flagship representative.
- Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
- Attend a Financing Your Study Abroad Program Workshop.
- Join a student club or professional organization.
\begin{tabular}{|c|c|c|c|}
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Grade & Notes \\
\hline (1) SLC 202: Introduction to Literary and Cultural Theory & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- A Chinese Flagship representative can provide you information about opportunities available to students in the program. \\
- Explore your career interest area.
\end{tabular}} \\
\hline CHI 202: Second-Year Chinese II (G) & 5-8 & C & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.33 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 15-18 & & \\
\hline Term 560-74 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CHI 301: Third-Year Chinese I (G) & 5 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses. \\
- Learn about national scholarships, fellowships and research opportunities.
\end{tabular}} \\
\hline CHI 321: Chinese Literature (HU) OR CHI 322: Chinese Literature (HU \& G) & 3 & C & \\
\hline China Related Area & 3 & C & \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 674-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CHI 302: Third-Year Chinese II (G) & 5 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses. \\
- Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad. \\
- Use Handshake to research employment opportunities
\end{tabular}} \\
\hline CHI 321: Chinese Literature (HU) OR CHI 322: Chinese Literature (HU \& G) & 3 & C & \\
\hline China Related Area & 3 & C & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Upper Division Elective & 2 & & \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 790 \text { - } 105 \text { Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline ¢ CHI 308: Classical Chinese II (HU) & 3 & C \\
\hline 4** SLC Required Culture Course Option & 3 & C \\
\hline China Related Area & 3 & C \\
\hline Upper Division Chinese Language, Literature, and Linguistics Elective Courses & 3 & C \\
\hline Upper Division Elective OR SLC 484: Internship & 3 & \\
\hline Term hours subto & 15 & \\
\hline
\end{tabular}

\section*{Notes}
- Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses.
- Apply for full-time career opportunities.
- Select 9 hours from the Upper Division Chinese Language, Linguistics, or Literature Courses listed. Students who desire a linguistics emphasis select CHI 482 plus 3 units of language courses. Students who emphasize literature select 9 units of literature courses. All students must take at least 6 of Chinese elective units at the 400 level or above. SLC 400-Level Language courses may not be used to satisfy the SLC 400-Level Required Course Option.


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Asian Languages (Chinese) - Chinese Flagship, BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LACHIBA
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 4. SLC 201: Introduction to Linguistics (HU or SB) & 3 & C \\
\hline CHI 101: First-Year Chinese I (G) & 5-8 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & \multicolumn{2}{|l|}{1} \\
\hline Term hours sub & 15-18 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in Mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Learn about Chinese intensive language courses. Students may opt to take CHI 110, (equivalent to CHI 101 and CHI 102) in term one.
ASU Language Placement: Only true beginners are eligible for 101-level language courses. Students with previous experience in the language are required to take a language placement test.
- Engage in Chinese at ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline CHI 102: First-Year Chinese II (G) & 5-8 & C & \multirow[b]{3}{*}{- Newly accepted Flagship students should schedule a meeting with an academic advisor and a Flagship coordinator to create a semester-by-semester plan of study for all required courses for graduation.} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \begin{tabular}{l}
- Explore your career interest area. \\
- Attend a Financing Your Study Abroad
\end{tabular} \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & Program workshop. \\
\hline (1) Maintain 2.33 GPA in Critical Tracking Courses. & & & - Explore your career interest area. \\
\hline Term hours subtotal: & 15-18 & & take CHI 210 (equivalent to CHI 201 and CHI 202) in term 2. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Summer 2 Session 130-35 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline CHI 201: Second-Year Chinese I (G) & 5-8 & C & \multirow[b]{3}{*}{- To remain on track for graduation, Flagship students are expected to participate in a Flagship approved language program away from ASU in Summer 2.} \\
\hline \multicolumn{3}{|l|}{(7) Milestone: Take CHI 200-level or CHI 300-level language course} & \\
\hline Term hours subtotal: & 5-8 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Summer 2 Session 2 35-40 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline CHI 202: Second-Year Chinese II (G) & 5-8 & C & \\
\hline
\end{tabular}

Milestone: Take CHI 200-level or CHI 300-level language course
\[
\text { Term hours subtotal: } \quad 5-8
\]
- To remain on track for graduation, Flagship students are expected to participate in a Flagship approved language program away from ASU in Summer 2.


Term hours subtotal: 15

\begin{tabular}{|c|c|c|c|}
\hline Term 684-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- Enroll in Study Abroad Program credits or listed courses.
- Learn about national scholarships, fellowships, and research opportunities.
- Attend an ASU Career Services workshop or job fair.
- Use Handshake to research employment opportunities
\(\begin{array}{l}\text { Term } 7 \text { 96-108 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Upper Division China Related Content Courses & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
abroad participating in a Flagship approved program at Beijing Union University or Nanjing University. \\
- China related content courses must be taught in Chinese. \\
- Gather professional references.
\end{tabular}} \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 12 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ¢ CHI 408: Chinese for Academic and Professional Purposes II (G) & 3 & C & - All Flagship students must spend their final \\
\hline 3 SLC 498: Pro-Seminar & 3 & C & terms 7 and 8 in China for their capstone year \\
\hline Elective OR SLC 484: Internship & 3 & & abroad participating in a Flagship approved program at Beijing Union University or \\
\hline Elective & 3 & & \\
\hline
\end{tabular}
- Flagship students are required to complete two China Related Area "Content Courses" taught in the Chinese language. Students are required to take a one-credit Chinese Writing Module to accompany China Related Area "Content Courses" that are taught in English. See department advisor or Flagship program director for additional course offerings.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline China Related Courses & Chinese Literature and Linguistics Courses \\
\hline ARS 201: Art of Asia (HU \& H \& G) & CHI 321: Chinese Literature (HU) \\
\hline ARS 472: Art of China (HU) & CHI 322: Chinese Literature (HU \& G) \\
\hline CHI 333: China (SB \& H) & CHI 336: Interpreting China's Classics ((L or \\
\hline \multirow[t]{2}{*}{CHI 335: History of Chinese Medicine (HU \& H \& G)} & HU) \& H) \\
\hline & CHI 338: The Daoist Bible: The Daode jing (HU \& L) \\
\hline \multirow[t]{2}{*}{CHI 336: Interpreting China's Classics ((L or HU) \& H)} & \\
\hline & CHI 348: Pathways into Chinese Culture \\
\hline CHI 338: The Daoist Bible: The Daode jing (HU \& L) & CHI 430: Readings in Chinese Religions (HU \& G) \\
\hline CHI 343: Daoism ((L or HU) \& G \& H) & CHI 461: Readings in Traditional Chinese \\
\hline CHI 345: Chinese Film and Civilization & Literature I \\
\hline CHI 348: Pathways into Chinese Culture & CHI 462: Readings in Traditional Chinese Literature II \\
\hline CHI 394: Special Topics & CHI 470: Modern Chinese Literature and \\
\hline \multirow[t]{2}{*}{CHI 451: Chinese Cultural History I ((HU or SB) \& H)} & Culture \\
\hline & CHI 482: History of the Chinese Language \\
\hline CHI 452: Chinese Cultural History II (SB \& G \& H) & \\
\hline CHI 494: Special Topics & \\
\hline HST 384: Modern China: 1700 to the Present (SB \& G \& H) & \\
\hline REL 345: Asian Religious Traditions (HU \& G) & \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Asian Languages (Japanese), BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAJPNBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) SLC 201: Introduction to Linguistics (HU or SB) & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline JPN 101: First-Year Japanese I (G) & 5-8 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & - ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
\hline MAT 142: College Mathematics (MA) & 3 & C & - ASU Language Placement: Only true \\
\hline 4. Maintain 2.33 GPA in Critical Tracking Courses. & & & beginners are eligible for 101-level courses. \\
\hline Term hours subtotal: & 15-18 & & \begin{tabular}{l}
language are required to take a language placement test. \\
- Learn about Japanese intensive language courses. \\
- Engage in Japanese at ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Start planning your study abroad experience. Meet with a SILC advisor to learn about \\
\hline JPN 102: First-Year Japanese II (G) & 5-8 & C & Japan. \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & - Attend a Financing Your Study Abroad \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 4 & & \begin{tabular}{l}
Program Workshop. \\
- Explore your career interest area.
\end{tabular} \\
\hline
\end{tabular}

\section*{1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). \\ 1. Maintain 2.33 GPA in Critical Tracking Courses.}

Term hours subtotal: \(15-18\)

\begin{tabular}{|c|c|c|c|}
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Grade & Notes \\
\hline 4. JPN 202: Second-Year Japanese II (G) & 5 & C & \multirow{4}{*}{- Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.} \\
\hline SLC 202: Introduction to Literary and Cultural Theory & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline
\end{tabular}

Term hours subtotal: 15
\begin{tabular}{|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline § JPN 301: Third-Year Japanese I (G) & 3 & C \\
\hline SLC 420: Foreign Literature in Translation (HU \& G) OR CHI OR KOR Elective & 3 & C \\
\hline SLC 421: Japanese Literature in Translation ((L or HU) \& G) & 3 & C \\
\hline Related Area Course & 3 & C \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}

\section*{Notes}
- Enroll in listed courses or participate in a School of International Letters and Cultures endorsed program abroad for your major.
- Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.
- Learn about internship, scholarship and award opportunities for language and culture majors.
Term 6 75-90 Credit Hours Necessary course signified by
Term 7 90-105 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|}
\hline 4** JPN Elective & 3 & C \\
\hline 5 Upper Division JPN Restricted Electives & 3 & C \\
\hline 4** SLC Required Culture Course Option & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{6} \\
\hline & 15 & \\
\hline
\end{tabular}
- Attend a Career Services workshop or Job Fair.
- SLC Language and/or translation courses may not be used for the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)
\begin{tabular}{l} 
Upper-division JPN Restricted Electives \\
\hline SLC 400-Level Required Culture Course \\
JPN 309: Japanese Oral Communication I
\end{tabular} \begin{tabular}{l} 
Option
\end{tabular}

\section*{Related Area Course}

ARS 472: Art of China (HU)
ARS 473: Art of Japan (HU)
ARS 475: Chinese Painting (HU)

JPN 4** Elective
JPN 415: Advanced Classical Japanese

JPN 445: Readings in Modern Japanese
Letters and Culture
JPN 484: Internship
JPN 485: Literary Translation: Theory and Practice

JPN 492: Honors Directed Study
JPN 494: Special Topic

CHI 120: Introduction to Chinese Culture (L or HU )

CHI 333: China (SB \& H)
CHI 335: History of Chinese Medicine (HU \& H \& G)

CHI 336: Interpreting China's Classics ((L or HU) \& H)

CHI 338: The Daoist Bible: The Daode jing (HU \& L)

CHI 343: Daoism ((L or HU) \& G \& H)
CHI 345: Chinese Film and Civilization
CHI 451: Chinese Cultural History I ((HU or SB) \& H)

CHI 452: Chinese Cultural History II (SB \& G \& H)

GCU 326: Geography of Asia (SB \& G)
GCU 432: Geography of China (SB \& G)
HST 106: Asian Civilizations ((HU or SB) \& G \& H)

HST 107: Asian Civilizations (SB \& G \& H)
HST 108: Introduction to Japan (SB \& G \& H)
HST 384: Modern China: 1700 to the Present (SB \& G \& H)

HST 387: Japan ((L or SB) \& H)
HST 388: Japan (SB \& G \& H)
HST 389: Japan Society and Values/Premod
HST 453: The People's Republic of China (SB \& G \& H)

KOR 250: Korean Culture and Society (HU \& G)

KOR 321: Modern Korean Literature
KOR 347: Korean Film and Literature (HU)
KOR 350: Women of Korea (H)
KOR 354: Religions of Korea (HU)
KOR 394: Special Topics
KOR 457: Premodern Korea in a Global Context

POS 451: China, Japan, and the Koreas (SB \& G) POS 452: China (SB \& G)

POS 468: Comparative Asian Foreign Policies
(SB \& G)
REL 344: Religion and Values in Japanese
Life (HU \& G)
REL 351: Buddhism ((L or HU) \& G)
REL 483: Religion and Science
SLC 420: Foreign Literature in Translation
(HU \& G)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Asian Pacific American Studies, BA}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAAPABA
Term 10-14 Credit Hours Critical course signified by 4 Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
(4) \begin{tabular}{l} 
APA 200: Introduction to Asian Pacific American Studies ((HU or \\
SB) \& C)
\end{tabular}
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned
- Create your Handshake account.
- Select your career interest area and play me3@asu.edu.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline (1. Related Area Courses & 3 & C & \multirow{9}{*}{- Create a first draft resume} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \multicolumn{3}{|l|}{1 ( Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline (1) APA Elective & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline 4. Complete First-Year Composition requirement. & & & \\
\hline
\end{tabular}


Hide Course List(s)/Track Group(s)
Related Area Courses
AFR 370: Family, Ethnic and Cultural
Diversity (SB \& C)

\section*{APA Elective}

ASB 202: Immigration and Ethnic Relations in the U.S. (SB \& C)

COM 371: Language, Culture, and
Communication (SB \& C \& G)
ENG 333: American Ethnic Literature ((L or HU) \& C)

ENG 460: Ethnic Women Writers

FMS 470: Race, Sex, and Identity Online
HST 325: Immigration and Ethnicity in the United States (SB \& H \& C)

HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) \& H \& C)

JUS 320: Community and Social Justice (SB \& C)

JUS 325: Globalization and Socio-Economic Justice (SB \& G)

JUS 350: Immigration and Justice (SB \& C)
JUS 405: Inequality, Economy and Justice ((L or SB) \& G)

JUS 432: Racial Justice (L)
POS 439: Minority Group Politics in America (SB \& C)

SBS 301: Cultural Diversity ((L or SB) \& C)
SBS 339: Grassroots Social Movements (SB)
SBS 410: Topics in Identity/Difference
TCL 327: Health and Migration (SB)
TCL 410: Race, Medicine, and the Body (L)

WST 378: Global Feminist Theory (L \& G)
WST 380: Race, Gender, and Class (SB \& C)

WST 420: Women of Color in Film (HU \& C)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Biochemistry, BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LABCHBA

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\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

CHM 117: General Chemistry for Majors I (SQ) AND CHM 111
1. General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)

MAT 251: Calculus for Life Sciences (MA)
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
LIA 101: Student Success in the College of Liberal Arts and Sciences 1
Social-Behavioral Sciences (SB) AND Global Awareness (G) 3
Term hours subtotal: 14
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Students considering advanced science degrees and those who plan to take advanced math courses should take MAT 270 in place of MAT 251.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 214-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1) BIO 181: General Biology I (SQ) & 4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. \\
- Research the timeline for health careers and professional program admissions preparation.
\end{tabular}} \\
\hline CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{(4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) CHM 233: General Organic Chemistry I & 3 & C & \multirow[b]{4}{*}{- Students who are interested in graduate degrees in natural sciences or health-related professional degrees should take PHY 111 and PHY 113 instead of PHY 101 in this term. Then, complete PHY 112 and PHY 114 in the next term.} \\
\hline (1) CHM 237: General Organic Chemistry Laboratory I & 1 & C & \\
\hline 4 PHY 101: Introduction to Physics (SQ) & 4 & C & \\
\hline BIO 182: General Biology II (SG) & 4 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \begin{tabular}{l}
in the next term. \\
- Research admission requirements for health-related professional schools.
\end{tabular} \\
\hline Complete First-Year Composition requirement. Complete Mathematics (MA) requirement. & & & School of Molecular Sciences advisor or an International Coordinator. \\
\hline
\end{tabular}

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Complete 3 courses: 9

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Upper Division Elective
- With prior approval of an academic advisor in the School of Molecular Sciences, \(\hat{A}_{i}\) other courses may be used to satisfy the Advanced BIO Elective requirement.

Hide Course List(s)/Track Group(s)
Advanced BIO Elective
BIO 201: Human Anatomy and Physiology I
(SG)
BIO 302: Cancer--Mother of All Diseases (L)
BIO 325: Oceanography or CHM 385:
Oceanography
BIO 340: General Genetics or MBB 347:
Molecular Genetics: From Genes to Proteins

BIO 351: Developmental Biology

BIO 353: Cell Biology

BIO 360: Animal Physiology
BIO 431: Genes, Development, and Evolution (L)

BIO 455: Introduction to Comparative
Genomics

MIC 205: Microbiology (SG)

MIC 206: Microbiology Laboratory (SG)

MIC 220: Biology of Microorganisms

MIC 461: Geomicrobiology

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

\section*{Total College Residency Hrs: 12 minimum}
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Biochemistry, BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LABCHBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) & 4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
- Select your career interest area and play me3@ASU
\end{tabular}} \\
\hline (1) MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) BIO 181: General Biology I (SQ) & 4 & C & \multirow{6}{*}{- Research timeline for health careers and professional program admissions preparation.} \\
\hline CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C & \\
\hline (1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 30-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) CHM 233: General Organic Chemistry I & 3 & C & \multirow{9}{*}{\begin{tabular}{l}
- Research admission requirements for health-related professional schools. \\
- Discuss study abroad opportunities with a School of Molecular Sciences advisor or an International Coordinator.
\end{tabular}} \\
\hline (1) CHM 237: General Organic Chemistry Laboratory I & 1 & C & \\
\hline (4) PHY 111: General Physics (SQ) & 3 & C & \\
\hline PHY 113: General Physics Laboratory (SQ) & 1 & C & \\
\hline BIO 182: General Biology II (SG) & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline (4) Complete First-Year Composition requirement. & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) PHY 112: General Physics (SQ) & 3 & C & \\
\hline PHY 114: General Physics Laboratory (SQ) & 1 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline CHM 234: General Organic Chemistry II & 3 & C \\
\hline CHM 238: General Organic Chemistry Laboratory II & 1 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline Elective & 1 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Due to lower division pre-requisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and CLAS Science and Society courses.
- Explore internship opportunities in industry and health fields.
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BCH 341: Physical Chemistry with a Biological Focus & 3 & C & \multirow[t]{6}{*}{- Create a first draft resume.} \\
\hline BCH 461: General Biochemistry & 3 & C & \\
\hline Advanced BIO Elective & 3-4 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15-16 & & \\
\hline
\end{tabular}
Term 6 75-90 Credit Hours Necessary course signified by \begin{tabular}{c|c|c|c|}
\hline & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline BCH 462: General Biochemistry & 3 & C \\
\hline BCH 463: Biophysical Chemistry & 3 & C \\
\hline Advanced BIO Elective & 3-4 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline Term hours subtotal: & 15-16 & \\
\hline
\end{tabular}
- This is an ideal semester to study abroad. BCH courses may be taken in final two terms.
- Connect with a Career Advisor by registering for a Handshake account.
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I BCH 467: Analytical Biochemistry Laboratory (L) & 3 & C & \multirow[t]{3}{*}{- Apply for full-time career opportunities.} \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Upper Division Elective OR BCH 484: Internship & 3 & & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline
\end{tabular}

15
Term 8 105-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be
upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

\section*{Hide Course List(s)/Track Group(s)}

\section*{Advanced BIO Elective}

BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

BIO 302: Cancer--Mother of All Diseases (L)

BIO 325: Oceanography or CHM 385:
Oceanography

BIO 340: General Genetics or MBB 347:
Molecular Genetics: From Genes to Proteins
BIO 351: Developmental Biology

BIO 353: Cell Biology

BIO 360: Animal Physiology

BIO 440: Functional Genomics

BIO 446: Principles of Human Genetics (L)

BIO 450: Advanced Developmental Biology

BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging

BIO 455: Introduction to Comparative
Genomics

BIO 465: Neurophysiology

MBB 343: Genetic Engineering and Society
(L)

MBB 350: Applied Genetics
MIC 205: Microbiology (SG)

MIC 206: Microbiology Laboratory (SG)

MIC 220: Biology of Microorganisms

MIC 360: Bacterial Physiology

MIC 379: Medical Bacteriology

MIC 461: Geomicrobiology

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that
guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ Total College Residency Hrs: 12 minimum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Biochemistry, BS
School/College: College of Liberal Arts and Sciences.
Location: Online
LABCHBS

In order to complete the requirements of this program some laboratory courses will be completed in-person at the Tempe Campus.
These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.
Term 1-A 0-7 Credit Hours \(\quad\) Hours \begin{tabular}{c|c|c}
\begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ASU 101-UC: The ASU Experience

1

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Social-Behavioral Sciences (SB) AND Cultural Diversity in the 3 U.S. (C)

Term hours subtotal: 7
\begin{tabular}{|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] \\
\hline 4 MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline Term hours subto & 6 & \\
\hline
\end{tabular}
Term 2-A 13-20 Credit Hours Critical course signified by 4. Hours \(\left.\begin{array}{c|c|c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|}
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline MAT 266: Calculus for Engineers II (MA) & 3 & C \\
\hline & 7 & \\
\hline
\end{tabular}
- SAT, ACT, Accuplacer, IETLS or TOEFL score determines placement into first-year composition courses.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 20-27 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 CHM 116: General Chemistry II (SQ) & 4 & C & \multirow[t]{4}{*}{- If interested in health-related professional programs, research timeline for admissions preparation and general admission requirements.} \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline 4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-A 27-34 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4.1 PHY 111: General Physics (SQ) & 3 & C & \multirow[t]{5}{*}{- Review the Career Guide for ASU Online students to learn about available career planning resources.} \\
\hline PHY 113: General Physics Laboratory (SQ) & 1 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline 4 Complete First-Year Composition requirement. & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 34-41 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Term hours subtotal: 7
\begin{tabular}{|c|c|c|c|}
\hline Term 4-A 41-47 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. CHM 233: General Organic Chemistry I & 3 & C & \multirow{3}{*}{- Register for a Handshake account and participate in virtual career advising.} \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 47-53 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Minimum & Hotes & Hours & \begin{tabular}{c} 
Grade
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline CHM 237: General Organic Chemistry Laboratory I & 1 & C \\
\hline CHM 238: General Organic Chemistry Laboratory II & 1 & C \\
\hline
\end{tabular}
- ASU Online students will complete all experiments for the Organic labs at the Tempe Campus of ASU during a one-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term.
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 55-62 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline B BIO 181: General Biology I (SQ) & 4 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Due to lower division pre-requisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and CLAS Science and Society courses. \\
- If interested in health-related professional programs, use ASU's Health Professions Advising to prepare for application.
\end{tabular}} \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-B 62-69 Credit Hours & Hours & Minimum Grade & Notes \\
\hline BIO 182: General Biology II (SG) & 4 & C & \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 6-A 69-75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{c|c} 
Minimum \\
Grade \\
\hline
\end{tabular} & Notes \\
\hline BCH 341: Physical Chemistry with a Biological Focus & 3 & C & \multirow[t]{3}{*}{- Network in your career interest area.} \\
\hline \multicolumn{3}{|l|}{Social-Behavioral Sciences (SB)} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 6-B 75-81 Credit Hours Necessary course signified by & Hours & \[
\begin{array}{|c|c}
\hline \text { Minimum } \\
\text { Grade } \\
\hline
\end{array}
\] & Notes \\
\hline BCH 463: Biophysical Chemistry & 3 & C & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & 3309 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Upper Division Elective & 3 & & \multirow[t]{3}{*}{- Create a first draft resume.} \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-A 81-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § BCH 461: General Biochemistry & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 87-93 Credit Hours & Hours & Minimum Grade & Notes \\
\hline BCH 462: General Biochemistry & 3 & C & \multirow{3}{*}{- View career webinars offered by Career and Professional Development Center.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 93-99 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Advanced BIO Elective & 3-4 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtota & 6-7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline Term 8-B 99-105 Credit Hours & & Hours & Minimum Grade & Notes \\
\hline Advanced BIO Elective & & 3-4 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- Plan for in-person laboratory attendance in Summer. Talk with your academic advisor. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline Upper Division Elective & & 3 & & \\
\hline & Term hours subtotal: & 6-7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Summer 8105-108 Credit Hours & Hours & Minimum Grade & Notes \\
\hline BCH 467: Analytical Biochemistry Laboratory (L) & 3 & C & \\
\hline Term hours subtotal: & 3 & & - ASU Online students will complete all experiments for the Analytical Biochemistry lab at the Tempe Campus of ASU during a two-week session in summer. Lab reports will be completed in subsequent weeks during the same summer term. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 108-114 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline B BCH OR CHM Upper Division Elective & 3 & C & \multirow[t]{3}{*}{- Upper Division BCH or CHM Elective cannot be met with BCH 361, BCH 367, BCH 371, BCH 372, CHM 341, CHM 460, nor CHM 480.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 114-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtota & 6 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/advising-and-academic-services/science-and-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

With prior approval of an academic advisor in the School of Molecular Sciences, other courses may be used to satisfy the Advanced BIO Elective requirement.

Hide Course List(s)/Track Group(s)
Advanced BIO Elective
BIO 201: Human Anatomy and Physiology I
(SG)
BIO 202: Human Anatomy and Physiology II
(SG)
BIO 340: General Genetics
BIO 351: Developmental Biology
BIO 353: Cell Biology
BIO 360: Animal Physiology
MIC 220: Biology of Microorganisms or MIC
206: Microbiology Laboratory (SG)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Biochemistry (Medicinal Chemistry), BS}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LABCHMBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ) & 4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
- Select your career interest area and play me3@ASU
\end{tabular}} \\
\hline (1) MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. BIO 181: General Biology I (SQ) & 4 & C & \multirow{6}{*}{- Research timeline for health careers and professional program admissions preparation.} \\
\hline CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C & \\
\hline (1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 30-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) CHM 233: General Organic Chemistry I & 3 & C & \multirow{9}{*}{\begin{tabular}{l}
- Research admission requirements for health-related professional schools. \\
- Create a first draft resume.
\end{tabular}} \\
\hline (1) CHM 237: General Organic Chemistry Laboratory I & 1 & C & \\
\hline (4. PHY 111: General Physics (SQ) & 3 & C & \\
\hline PHY 113: General Physics Laboratory (SQ) & 1 & C & \\
\hline BIO 182: General Biology II (SG) & 4 & & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline (4) Complete First-Year Composition requirement. & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) PHY 112: General Physics (SQ) & 3 & C & \\
\hline PHY 114: General Physics Laboratory (SQ) & 1 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline CHM 234: General Organic Chemistry II & 3 & C \\
\hline CHM 238: General Organic Chemistry Laboratory II & 1 & C \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 4 & \\
\hline
\end{tabular}

Term hours subtotal: 15

\begin{tabular}{|c|c|c|}
\hline BCH 341: Physical Chemistry with a Biological Focus & 3 & C \\
\hline CHM 343: Elementary Physical Chemistry Laboratory & 1 & C \\
\hline BCH 461: General Biochemistry & 3 & C \\
\hline BIO 353: Cell Biology & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline
\end{tabular}
Upper Division Elective2Term hours subtotal: 15

\begin{tabular}{|c|c|c|}
\hline BCH 462: General Biochemistry & 3 & C \\
\hline BCH 463: Biophysical Chemistry & 3 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}
- Connect with a Career Advisor by registering for a Handshake account.

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).
Term 790 - 105 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
Term 8 105-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

\footnotetext{
Hide Course List(s)/Track Group(s)
}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Biological Sciences, BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LABSCBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline BIO 281: Conceptual Approaches to Biology for Majors I (SQ) & 4 & C \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline STP 231: Statistics for Life Science (CS) & 3 & C \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Join a student organization
- Create a resume \& Handshake account with the Career \& Professional Development Center
- Explore research opportunities
\begin{tabular}{|c|c|c|}
\hline Term 446-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline (4) BIO 345: Organic Evolution & 3 & C \\
\hline Additional Major Requirement Course & 3-4 & C \\
\hline
\end{tabular}

Mathematics Placement Assessment score determines placement in mathematics and science courses
- LIA 101 or other First-Year Seminar required of all freshman students
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Select your career interest area and play me3@ASU

\begin{tabular}{|c|c|c|}
\hline Term 2 15-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline BIO 282: Conceptual Approaches to Biology for Majors II & 4 & C \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 251: Calculus for Life Sciences (MA) & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline 4. Complete BIO 281 AND BIO 282 course(s). & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & \\
\hline Term hours subtotal: & 17 & \\
\hline Term 3 32-46 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade \\
\hline (1. BIO 340: General Genetics & 4 & C \\
\hline CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) & 4 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} \\
\hline 4 Complete Mathematics (MA) requirement. & & \\
\hline
\end{tabular}

Term hours subtotal: 14
- Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235. See the pre-health website for more information
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a Study Abroad 101 Session
\begin{tabular}{|c|c|}
\hline Literacy and Critical Inquiry (L) & 3 \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 \\
\hline Elective & 3 \\
\hline Term hours subtota & 5-16 \\
\hline
\end{tabular}

See the pre-health website for more information
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
- Explore or pursue internship opportunities
- Meet with the Career \& Professional Development Center to learn how to develop skills
\begin{tabular}{|c|c|c|}
\hline Term 561-75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline M Major Laboratory/Research Course & 1-4 & C \\
\hline PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & 4 & C \\
\hline Upper Division Additional Major Requirement Course & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Upper Division Elective OR BIO 484: Internship OR MIC 484: Internship OR MBB 484: Internship & 3 & \\
\hline
\end{tabular}

Term hours subtotal: 14-17
Term 6 75-91 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 791-106 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline U Upper Division Additional Major Requirement Course & 3-4 & C \\
\hline U Upper Division Major Elective Course & 3 & C \\
\hline Upper Division CLAS Science and Society Elective & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline Term hours subtotal: & 15-16 & \\
\hline
\end{tabular}
Term 8106 - 120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- Some upper division track courses require prerequisites not required for this degree. Students may wish to use elective hours to complete those prerequisites.

All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline Major Laboratory/Research Courses & Major Elective Courses \\
\hline BIO 308: Plant Physiology & \multirow[t]{2}{*}{BCH 361: Advanced Principles of Biochemistry} \\
\hline BIO 321: Introductory Ecology Laboratory & \\
\hline & BIO 304: Plants and Civilization \\
\hline & \multirow[b]{2}{*}{BIO 313: The Flora of Arizona} \\
\hline BIO 343: Genetic Engineering and Society (L) & \\
\hline BIO 352: Laboratory in Vertebrate Developmental Anatomy & BIO 316: History of Biology: Conflicts and Controversies (H) \\
\hline BIO 354: Cell Biology Laboratory & BIO 318: History of Medicine ( \(\mathrm{HU} \& \mathrm{H}\) ) or HPS 331: History of Medicine (HU \& H) \\
\hline BIO 361: Animal Physiology Laboratory & BIO 322: Conservation of Biodiversity \\
\hline BIO 386: General Entomology & \multirow[t]{2}{*}{BIO 323: Ecosystem Restoration and Management} \\
\hline BIO 435: Research Techniques in Animal & \\
\hline Behavior & BIO 325: Oceanography \\
\hline BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging & BIO 346: The Darwinian Revolution \\
\hline BIO 453: Animal Histology & \multirow[t]{2}{*}{BIO 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)} \\
\hline BIO 471: Ornithology & \\
\hline BIO 472: Mammalogy & BIO 406: Computer Applications in Biology \\
\hline BIO 474: Herpetology & BIO 412: Conservation in Practice \\
\hline BIO 495: Undergraduate Research & BIO 415: Biometry (CS) \\
\hline MBB 343: Genetic Engineering and Society (L) & BIO 416: Biomedical Research Ethics (L) \\
\hline MBB 350: Applied Genetics & BIO 423: Population and Community Ecology \\
\hline \multirow[t]{6}{*}{MIC 302: Advanced Bacteriology Laboratory (L)} & BIO 427: Fire (H) \\
\hline & BIO 431: Genes, Development, and Evolution (L) \\
\hline & BIO 436: Sociobiology and Behavioral Ecology \\
\hline & BIO 440: Functional Genomics or MBB 440: Functional Genomics \\
\hline & BIO 446: Principles of Human Genetics (L) \\
\hline & Academic Catalog Archive 2018-2019 \\
\hline
\end{tabular}

Additional Major Requirements Courses BIO 303: Plant Diversity and Evolution (L or SG)

BIO 312: Bioethics (HU)
BIO 320: Fundamentals of Ecology
BIO 331: Animal Behavior

BIO 351: Developmental Biology

BIO 353: Cell Biology

BIO 360: Animal Physiology
BIO 370: Vertebrate Zoology
MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)
BIO 455: Introduction to Comparative
Genomics
BIO 461: Comparative Animal Physiology
BIO 462: Endocrine Physiology
BIO 467: Neurobiology
CHM 435: Medicinal Chemistry
HPS 322: History of Science (HU \& H)
HPS 323: History of Science (HU \& H)
Controversies (H)
MIC 360: Bacterial Physiology
MIC 420: Immunology: Molecular and
Cellular Foundations
MIC 485: General Virology
PLB 407: Plant Fossils and Evolution

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Biological Sciences, BS
School/College: College of Liberal Arts and Sciences.
Location:
LABSCBS
and
Secondary
Education,
BAE
Mary Lou Fulton Teachers College
TESEDBAE


Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 3 32-49 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline (1. BIO 340: General Genetics & 4 & C \\
\hline CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) & 4 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) ( GCU 113 recommended) & 3 & \\
\hline
\end{tabular}

Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
\begin{tabular}{|c|c|c|c|}
\hline Term 44-64 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4. BIO 345: Organic Evolution & 3 & C & \multirow[t]{7}{*}{- Apply for Identity Verified Print (IVP) DPS fingerprint clearance card.} \\
\hline EDP 313: Childhood and Adolescence (SB) & 3 & C & \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C & \\
\hline Additional Major Requirement Course & 3-4 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline (4) Milestone: Intent to Progress Online Form. & & & \\
\hline Term hours subtotal: & 15-16 & & \\
\hline Term 564-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Major Elective Course & 3 & C & \multirow[b]{4}{*}{- Meet with Teachers College advisor to complete paperwork needed to start education program. Call 480.965.5555 to schedule appointment by recommended deadline of September 15.} \\
\hline M Major Laboratory/Research Course & 1-4 & C & \\
\hline PHY 101: Introduction to Physics (SQ) & 4 & C & \\
\hline Upper Division Additional Major Requirement Course & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & - Pre-health students should take PHY 111 and \\
\hline Term hours subtotal: & 11-14 & & \begin{tabular}{l}
PHY 113 instead of PHY 101 in this term. See the pre-health website for more information. \\
- A total of 2 Laboratory/Research Courses are required for graduation. \\
- Join a student club or professional organization
\end{tabular} \\
\hline
\end{tabular}
Term 6 75 91 Credit Hours Necessary course signified by
Term 8 107-122 Credit Hours Necessary course signified by \(\quad\) Hours \(\left.\begin{array}{l}\text { Minimum } \\ \text { Grade }\end{array}\right]\)
- Some upper division track courses require prerequisites not required for this degree. Students may wish to use elective hours to complete those prerequisites.

All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
Major Laboratory/Research Courses
BIO 308: Plant Physiology
BIO 321: Introductory Ecology Laboratory
BIO 342: General Genetics Laboratory
BIO 343: Genetic Engineering and Society (L)
BIO 352: Laboratory in Vertebrate
Developmental Anatomy
BIO 361: Animal Physiology Laboratory
BIO 386: General Entomology
BIO 435: Research Techniques in Animal
Behavior
BIO 451: Cell Biotechnology: Cell Culture,
Immunocytochemistry and Bioimaging
BIO 453: Animal Histology
BIO 471: Ornithology
BIO 472: Mammalogy
BIO 474: Herpetology
BIO 495: Undergraduate Research
(1)
\begin{tabular}{|c|c|}
\hline Major Elective Courses & Non-Teacher Certification Track \\
\hline BCH 361: Advanced Principles of & ECS Upper Division Elective \\
\hline Biochemistry & EDP Upper Division Elective \\
\hline BIO 304: Plants and Civilization (L) & \multirow[b]{2}{*}{EDT Upper Division Elective} \\
\hline & \\
\hline BIO 313: The Flora of Arizona & \multirow[b]{2}{*}{SCN Upper Division Elective} \\
\hline & \\
\hline HPS 331: History of Medicine (HU \& H) & SED Upper Division Elective \\
\hline BIO 322: Conservation of Biodiversity & SPE Upper Division Elective \\
\hline BIO 323: Ecosystem Restoration and & SPF Upper Division Elective \\
\hline Management & TEL Upper Division Elective \\
\hline BIO 325: Oceanography & USL Upper Division Elective \\
\hline BIO 346: The Darwinian Revolution & \\
\hline BIO 355: Introduction to Computational & \\
\hline Molecular Biology (CS) or MBB 355: & \\
\hline Introduction to Computational Molecular & \\
\hline Biology (CS) & \\
\hline BIO 406: Computer Applications in Biology & \\
\hline BIO 415: Biometry (CS) & \\
\hline BIO 416: Biomedical Research Ethics (L) & \\
\hline Academic Catalog Archive 2018-2019 & 3322 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{MBB 343: Genetic Engineering and Society (L)} & BIO 423: Population and Community Ecology \\
\hline & BIO 427: Fire (H) \\
\hline MBB 350: Applied Genetics & \\
\hline \multirow[t]{15}{*}{MIC 302: Advanced Bacteriology Laboratory (L)} & (L) \\
\hline & BIO 436: Sociobiology and Behavioral Ecology \\
\hline & BIO 440: Functional Genomics or MBB 440: Functional Genomics \\
\hline & BIO 446: Principles of Human Genetics (L) \\
\hline & BIO 455: Introduction to Comparative Genomics \\
\hline & BIO 461: Comparative Animal Physiology \\
\hline & BIO 462: Endocrine Physiology \\
\hline & BIO 467: Neurobiology \\
\hline & HPS 322: History of Science (HU \& H) \\
\hline & HPS 323: History of Science (HU \& H) \\
\hline & HPS 330: History of Biology: Conflicts and Controversies (H) \\
\hline & MIC 360: Bacterial Physiology \\
\hline & MIC 420: Immunology: Molecular and Cellular Foundations \\
\hline & MIC 485: General Virology \\
\hline & PLB 407: Plant Fossils and Evolution \\
\hline Additional Major Requirements Courses & \\
\hline BIO 303: Plant Diversity and Evolution (L or SG) & \\
\hline BIO 312: Bioethics (HU) & \\
\hline BIO 320: Fundamentals of Ecology & \\
\hline BIO 331: Animal Behavior & \\
\hline BIO 351: Developmental Biology & \\
\hline BIO 353: Cell Biology & \\
\hline BIO 360: Animal Physiology & \\
\hline BIO 370: Vertebrate Zoology & \\
\hline MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) & \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 122
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Biological Sciences, BS
School/College: College of Liberal Arts and Sciences.
Location: Online
LABSCBS

In order to complete the requirements of this program some laboratory courses will be completed in-person at the Tempe Campus.
These laboratory courses will be offered during summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline !. BIO 281: Conceptual Approaches to Biology for Majors I (SQ) & 4 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IETLS or TOEFL score determines placement into first-year composition courses. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-15 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline ASU 101-UC: The ASU Experience & 1 \\
\hline BIO 282: Conceptual Approaches to Biology for Majors II & 4 \\
\hline MAT 251: Calculus for Life Sciences (MA) & 3 C \\
\hline Term hours & 8 \\
\hline
\end{tabular}
- Mathematics Placement Assessment score determines placement in mathematics course.
- View ASU Online first-time freshmen registration information here.
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 15-22 Credit Hours & Hours & Minimum Grade & Notes \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C & \multirow[b]{2}{*}{- Select your career interest area and play me3@ASU.} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline
\end{tabular}

Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 22-29 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \multirow[b]{3}{*}{- If interested in health-related professional programs, research the timeline for admissions preparation and general admission requirements.} \\
\hline STP 231: Statistics for Life Science (CS) & 3 & C & \\
\hline 4. Complete BIO 181 AND BIO 182 or BIO 281 AND BIO 282 course(s). & & & \\
\hline
\end{tabular}
1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Term hours subtotal: \(\quad 7\)
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 29-35 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \multirow[t]{3}{*}{- Due to lower division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and CLAS Science and Society courses.} \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal & 6 & & \\
\hline
\end{tabular}
- Review the Career Guide for ASU Online students to learn about available career planning resources.
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 35-42 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. BIO 340: General Genetics & 4 & C & \\
\hline Literacy and Critical Inquiry (L) & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{4}{|l|}{4. Complete First-Year Composition requirement.} \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & : 7 & & \\
\hline Term 4-A 42-48 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1. BIO 345: Evolution & 3 & C & \multirow[t]{3}{*}{- Develop your professional online presence} \\
\hline CHM 231: Elementary Organic Chemistry (SQ) & 3 & C & \\
\hline Term hours subtotal: & : 6 & & \\
\hline Term 4-B 48-55 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Humanities, Arts and Design (HU) & 3 & & \multirow{3}{*}{- Plan for in-person laboratory attendance in Summer. Talk with your academic advisor.} \\
\hline Elective & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Summer 455-56 Credit Hours & Hours M & Minimum Grade & Notes \\
\hline CHM 235: Elementary Organic Chemistry Laboratory (SQ) & 1 & C & \multirow[b]{2}{*}{- ASU Online students will complete all experiments for the CHM 235 organic chemistry lab at the Tempe Campus of ASU during a one-week session in summer. Lab reports will be completed in later weeks during the same summer term.} \\
\hline Term hours subtotal: & 1 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 56-63 Credit Hours & Hours & Minimum Grade & Notes \\
\hline PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) & 4 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Due to lower division prerequisites, pre-health students are encouraged to choose upper division General Studies (HU or SB) and CLAS Science and Society courses. \\
- If interested in health-related professional programs, use ASU's Health Professions Advising to prepare for application.
\end{tabular}} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-B 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline A Additional Major Requirement Course & 3-4 & C & \multirow[t]{3}{*}{- Network in your career interest area.} \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S.
(C) & 3 & & \\
\hline Term hours subtotal: & 6-7 & & \\
\hline Term 6-A 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Upper Division Additional Major Requirement Course \\
Academic Catalog A
\end{tabular} & \begin{tabular}{l}
3 \\
Archive 20
\end{tabular} & \[
\begin{gathered}
C \\
18-2019
\end{gathered}
\] & 3326 \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W Major Laboratory Research Course & 1 & C & \\
\hline Upper Division Additional Major Requirement Course & 3 & C & \\
\hline Upper Division Elective & 2 & & \\
\hline
\end{tabular}

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 81-87 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Major Laboratory Research Course & 3 & C & \multirow[t]{2}{*}{- Create a first draft resume} \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & \multicolumn{2}{|l|}{3} & \\
\hline
\end{tabular}
Term 7 - B 87-93 Credit Hours Necessary course signified by
Hours
Minimum
Grade \(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 93-99 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \multirow[b]{3}{*}{- Explore other resources available through ASU's Career and Professional Development Center options} \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Term & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-B 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline In Upper Division Major Elective Course & 3 & C & \multirow[t]{3}{*}{- Gather professional references} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Additional Major Requirement Course & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 111-117 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} & \multirow{3}{*}{- Use Handshake to research employment opportunities} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 117-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{2}{|l|}{} & \\
\hline \multicolumn{3}{|c|}{Term hours subtotal: 3} \\
\hline \multicolumn{3}{|l|}{- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/advising-and-academic-services/science-and-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.} \\
\hline \multicolumn{3}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Laboratory Research Course & Major Electives & Additional Major Requirements Courses \\
\hline BIO 321: Introductory Ecology Laboratory & BIO 304: Plants and Civilization & BIO 320: Fundamentals of Ecology \\
\hline BIO 354: Cell Biology Laboratory & BIO 316: History of Biology: Conflicts and & BIO 331: Animal Behavior \\
\hline \multirow[t]{6}{*}{BIO 361: Animal Physiology Laboratory} & Controversies (H) & BIO 351: Developmental Biology \\
\hline & BIO 412: Conservation in Practice & BIO 353: Cell Biology \\
\hline & BIO 416: Biomedical Research Ethics (L) & BIO 360: Animal Physiology \\
\hline & CHM 435: Medicinal Chemistry & MIC 220: Biology of Microorganisms \\
\hline & HPS 322: History of Science (HU \& H) & \\
\hline & MIC 420: Immunology: Molecular and Cellular Foundations & \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Biological Sciences (Biology and Society), BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LABSCSBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline 1. LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline BIO 281: Conceptual Approaches to Biology for Majors I (SQ) & 4 & C \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline STP 231: Statistics for Life Science (CS) & 3 & C \\
\hline
\end{tabular}

Mathematics Placement Assessment score determines placement in mathematics and science course
- LIA 101 or other First Year Seminar required of all freshman students
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|}
\hline Term 2 15-32 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline BIO 282: Conceptual Approaches to Biology for Majors II & 4 & C \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline MAT 251: Calculus for Life Sciences (MA) & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline \begin{tabular}{l}
Complete BIO 281 AND BIO 282 course(s). \\
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
\end{tabular} & & \\
\hline
\end{tabular}

Term hours subtotal: 17
\begin{tabular}{|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (1. BIO 311: Biology and Society & 3 & C \\
\hline (1) BIO 340: General Genetics & 4 & C \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline Complete 2 courses: Elective & 6 & \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline
\end{tabular}

Term hours subtotal: 16
- Join a student organization
- Create a resume \& Handshake account with the Career \& Professional Development Center
- Explore Research Opportunities

\begin{tabular}{|c|c|}
\hline Literacy and Critical Inquiry (L) & 3 \\
\hline Social-Behavioral Sciences (SB) & 3 \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 \\
\hline
\end{tabular}
- Pre-health students should take CHM 234 and CHM 238 instead of the elective in this term.
See pre-health website for more information.
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
- Explore or pursue internship opportunities
- Meet with the Career \& Professional Development Center to learn how to develop skills
\begin{tabular}{|c|c|c|}
\hline Term 563-77 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline BIO 314: Research Colloquium in Biology and Society I (L) & 2 & C \\
\hline Upper Division Science in Contemporary Society Interface Course & 3 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}
- Pre-health students should take PHY 111 and 113 instead of PHY 101 this term. See the pre-health website for more information
- BIO 314 is recommended in this term, but can also be taken in Term 7
- Meet with your advisor to discuss ways to maximize your remaining time at ASU
- Some upper division Science in Contemporary Society Interface courses require lower division prerequisites which may be taken as electives
- BIO 314 is only taught in the Fall semester
\begin{tabular}{|c|c|c|c|}
\hline Term 677-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 2 Upper Division History and Philosophy of Science Interface Course & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Pre-health students should take PHY 112 and 114 this term. See the pre-health website for more information \\
- Research employment opportunities or graduate school programs
\end{tabular}} \\
\hline \% Upper Division Major Biological Sciences Elective & 3 & C & \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & .... & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 7 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 793-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- Meet with your advisor to verify remaining degree requirements have been met
- Explore or apply for full-time career opportunities or graduate school

Pre-health students should take PHY 112 and 114 this term. See the pre-health website for more information
- Research employment opportunities or graduate school programs

\begin{tabular}{|c|c|c|}
\hline Term 8107-120 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] \\
\hline BIO 414: Research Colloquium in Biology and Society II (L) & 1 & C \\
\hline BIO 484: Internship OR BIO 493: Honors Thesis (L) & 3 & C \\
\hline 5 Upper Division Major Biological Sciences Elective & 3 & C \\
\hline
\end{tabular}

\section*{Notes}
- BIO 414 is only taught in the Spring semester
- Students who complete less than 3 hours of BIO 484 or BIO 485 should plan to complete additional elective hours to reach the minimum 120 total hours required for this degree.

- BIO 484 or BIO 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are positions and research experience secured by the student on their own.
- Continue to apply for full-time career opportunities or graduate school
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
Science in Contemporary Society Interface
Courses

AFR 383: Blacks in Science, Medicine and Public Health

ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G)

BIO 302: Cancer--Mother of All Diseases (L)
BIO 304: Plants and Civilization
BIO 322: Conservation of Biodiversity
BIO 323: Ecosystem Restoration and Management

BIO 344: Origins, Evolution, and Creation or HPS 311: Origins, Evolution, and Creation

BIO 412: Conservation in Practice
BIO 427: Fire (H)
MIC 314: HIV/AIDS: Science, Behavior, and Society or PSY 427:
Immunoneuropsychology: Research Foundation

WST 360: Women as Healers (SB \& G)

\section*{Major Biological Sciences Elective Courses}

BIO 303: Plant Diversity and Evolution (L or SG)

BIO 308: Plant Physiology

BIO 309: Plant Anatomy

BIO 312: Bioethics (HU)

BIO 313: The Flora of Arizona

BIO 316: History of Biology: Conflicts and Controversies (H)

BIO 318: History of Medicine (H)

BIO 320: Fundamentals of Ecology

BIO 322: Conservation of Biodiversity
BIO 323: Ecosystem Restoration and Management

BIO 324: Environmental Ethics (HU)

BIO 331: Animal Behavior

BIO 343: Genetic Engineering and Society (L)
BIO 344: Origins, Evolution, and Creation
BIO 351: Developmental Biology
BIO 353: Cell Biology
BIO 355: Introduction to Computational Molecular Biology (CS)

BIO 360: Animal Physiology
BIO 370: Vertebrate Zoology
BIO 386: General Entomology

\section*{Additional Major Core Elective Courses}

BIO 302: Cancer--Mother of All Diseases (L)

BIO 304: Plants and Civilization

BIO 312: Bioethics (HU)

BIO 316: History of Biology: Conflicts and Controversies (H)

BIO 318: History of Medicine (HU \& H) or HPS 331: History of Medicine (HU \& H)

BIO 322: Conservation Biology and Ecological Sustainability I

BIO 323: Ecosystem Restoration and Management

BIO 324: Environmental Ethics (HU)
BIO 344: Origins, Evolution, and Creation
BIO 412: Conservation in Practice
BIO 416: Biomedical Research Ethics (L) or HPS 410: Biomedical Research Ethics (L) BIO 427: Fire (H)

HPS 313: Probability, Evidence, and Decision or PHI 313: Probability, Evidence, and Decision

HPS 314: Philosophy of Science (HU)
HPS 322: History of Science (HU \& H)
HPS 323: History of Science (HU \& H) or HST 385: History of Chinese Medicine (HU \& H \& G)

HPS 330: History of Biology: Conflicts and Controversies (H)
\begin{tabular}{|c|c|}
\hline BIO 406: Computer Applications in Biology & HPS 336: Exploration and Science (SB \& H) \\
\hline BIO 412: Conservation in Practice & \multirow[t]{2}{*}{MIC 314: HIV/AIDS: Science, Behavior, and Society} \\
\hline BIO 415: Biometry (CS) & \\
\hline & PHI 310: Environmental Ethics (HU) \\
\hline  & PHI 314: Philosophy of Science (HU) \\
\hline  & PHI 320: Bioethics (HU) \\
\hline BIO 431: Genes, Development, and Evolution (L) & \\
\hline BIO 436: Sociobiology and Behavioral & \\
\hline Ecology & \\
\hline BIO 440: Functional Genomics & \\
\hline BIO 446: Principles of Human Genetics (L) & \\
\hline BIO 455: Introduction to Comparative & \\
\hline Genomics & \\
\hline BIO 461: Comparative Animal Physiology & \\
\hline BIO 462: Endocrine Physiology & \\
\hline BIO 467: Neurobiology & \\
\hline BIO 471: Ornithology & \\
\hline BIO 472: Mammalogy & \\
\hline BIO 498: Sonoran Desert Field Botany & \\
\hline HPS 313: Probability, Evidence, and Decision & \\
\hline HPS 314: Philosophy of Science (HU) & \\
\hline HPS 322: History of Science (HU \& H) & \\
\hline HPS 323: History of Science (HU \& H) & \\
\hline HPS 336: Exploration and Science (SB \& H) & \\
\hline MBB 343: Genetic Engineering and Society (L) & \\
\hline MBB 355: Introduction to Computational Molecular Biology (CS) & \\
\hline MBB 440: Functional Genomics & \\
\hline MIC 220: Biology of Microorganisms & \\
\hline MIC 314: HIV/AIDS: Science, Behavior, and Society & \\
\hline MIC 360: Bacterial Physiology & \\
\hline MIC 420: Immunology: Molecular and Cellular Foundations & \\
\hline PLB 407: Plant Fossils and Evolution & \\
\hline Ethics Interface Courses & \\
\hline BIO 312: Bioethics (HU) or PHI 320: Bioethics (HU) & \\
\hline Academic Catalog Archive 2018-2019 & \[
3333
\] \\
\hline
\end{tabular}


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Biological Sciences (Biomedical Sciences), BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LABSCMBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline BIO 281: Conceptual Approaches to Biology for Majors I (SQ) & 4 & C \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline STP 231: Statistics for Life Science (CS) & 3 & C \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}



Mathematics Placement Assessment score determines placement in mathematics and science courses
- LIA 101 or other First-Year Seminar is required of all freshman students
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Select your career interest area and play me3@ASU.
Social-Behavioral Sciences (SB) AND Cultural Diversity in the
U.S. (C)
term. See pre-health website for more information.
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
- Explore or pursue internship opportunities
- Meet with the Career \& Professional Development Center to learn how to develop skills
\begin{tabular}{|c|c|c|c|}
\hline Term 561-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory & 4 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 in this term. See pre-health website for more information. \\
- Meet with your advisor to discuss ways to maximize your remaining time at ASU
\end{tabular}} \\
\hline B BIO 353: Cell Biology & 3 & C & \\
\hline BIO 360: Animal Physiology & 3 & C & \\
\hline PHY 101: Introduction to Physics (SQ) & 4 & C & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 6 75-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

BIO 351: Developmental Biology OR BIO 420: Immunology: Molecular and Cellular Foundations OR BIO 440: Functional
Genomics OR BIO 462: Endocrine Physiology OR BIO 467:
3
C

Neurobiology
BIO 312: Bioethics (HU)
3
C
Humanities, Arts and Design (HU) 3
Upper Division Elective 4
Elective
2
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
- Pre-health students should take PHY 112 and PHY 114 instead of an elective in this term. See pre-health website for more information.
- BIO 312 may be used to satisfy an upper division Science and Society credit for the College of Liberal Arts and Sciences provided it is not being used to satisfy an HU credit for general studies.
- Some upper division Medicine in Society and Biomedical Research Courses require prerequisites, which may be taken as electives.
- Research employment opportunities or graduate school programs
\(\begin{array}{l}\text { Term } 7 \text { 90-106 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{l} 
Notes
\end{tabular}

\footnotetext{
Term 8106-120 Credit Hours Necessary course signified by
}
\begin{tabular}{c|c} 
Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} \\
\hline
\end{tabular}

\section*{Notes}
\begin{tabular}{|c|c|c|}
\hline BIO 351: Developmental Biology OR BIO 420: Immunology: Molecular and Cellular Foundations OR BIO 440: Functional Genomics OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology & 3 & C \\
\hline Upper Division Biomedical Research Course OR Upper Division Medicine in Society Course & 2-4 & C \\
\hline Upper Division Elective & 3 & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & \\
\hline Term hours subtotal: & 14-16 & \\
\hline
\end{tabular}
- Courses from the Medicine in Society and Biomedical Research groups must include at least one course from each group and at least one lab course.
- Continue to apply for full-time career opportunities or graduate school
- Some upper division Medicine in Society Courses require lower division prerequisites, which may be taken as electives. See list of Suggested Electives provided.

All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found athttps://clas.asu.edu/advising-and-academic-services/science-and-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)
\begin{tabular}{lll}
\hline Medicine in Society & Biomedical Research & Suggested Electives \\
ASB 301: Global History of Health (SB \& G & BIO 342: General Genetics Laboratory & \begin{tabular}{l} 
ASB 100: Introduction to Global Health (SB \\
\& H)
\end{tabular} \\
\hline ASB 355: Traditional Medicine and Healing & BIO 343: Genetic Engineering and Society (L) & \begin{tabular}{l} 
Health (SB \& G)
\end{tabular} \\
(HU or SB) & BIO 352: Laboratory in Vertebrate & ASB 102: Introduction to Cultural \\
ASB 443: Cross-Cultural Studies in Global & BIO 355: Introduction to Computational & Anthropology (SB \& G)
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Biological Sciences (Conservation Biology and Ecology), BS}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LABSCCBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \multirow[t]{6}{*}{\begin{tabular}{l}
- Mathematics Placement Assessment score determines placement in mathematics and science courses \\
- LIA 101 or other First Year Seminar required of all freshman students \\
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline BIO 281: Conceptual Approaches to Biology for Majors I (SQ) & 4 & C & \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline STP 231: Statistics for Life Science (CS) OR STP 226: Elements of Statistics (CS) & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline BIO 282: Conceptual Approaches to Biology for Majors II & 4 & C & \multirow{10}{*}{\begin{tabular}{l}
- Join a student organization \\
- Create a resume \& Handshake account with the Career \& Professional Development Center \\
- Explore research opportunities
\end{tabular}} \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 251: Calculus for Life Sciences (MA) OR SOS 211: Calculus and Probability for the Life and Social Sciences (MA) & 3 & C & \\
\hline Elective & 1 & & \\
\hline \multicolumn{3}{|l|}{(4. Complete BIO 281 AND BIO 282 course(s).} & \\
\hline \multicolumn{3}{|l|}{(4.) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 330-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline BIO 320: Fundamentals of Ecology & 3 & C \\
\hline Physical Science Requirement Course & 3 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Complete First-Year Composition requirement. & & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 4-61 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 4 BIO 340: General Genetics & 4 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline
\end{tabular}
- Pre-health students should take CHM 233 and CHM 237 this term. See the pre-health website for more information
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a Study Abroad 101 Session

- Meet with the Career \& Professional Development Center to learn how to develop skills
- Pre-health students should take CHM 234 and CHM 238 this term. See the pre-health website for more information
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
\begin{tabular}{|c|c|c|c|}
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIO 322: Conservation of Biodiversity & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- In these Human Dimensions courses, students learn about the human and social dimensions of conservation science \\
- Pre-health students should take PHY 111 and 113 instead of PHY 101 this term. See the pre-health website for more information \\
- Meet with your advisor to discuss ways to maximize your remaining time at ASU
\end{tabular}} \\
\hline 1 Upper Division Human Dimensions of Conservation and Ecology & 3 & C & \\
\hline BIO 345: Organic Evolution & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- These Conservation Biology and Ecology courses teach students field (outdoor) and laboratory methods that are commonly used in conservation biology and ecology.
- Pre-health students should take PHY 112 and 114 this term. See the pre-health website for more information
- Use Handshake to research employment opportunities
\begin{tabular}{|c|c|c|}
\hline Term 791-106 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline Upper Division Advanced Ecology & 3 & C \\
\hline Quantitative \& Spatial Analysis Course & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subto & 15 & \\
\hline
\end{tabular}

\section*{Notes}
- Please note that BIO 421 and BIO 422 are only offered in fall terms. BIO 423 is offered in spring terms. Students who do not complete BIO 421 or BIO 422 in fall of their senior year will need to complete BIO 423 in the spring term immediately following
- These Advanced Ecology courses focus on the sub-disciplines of ecology across levels of biological organization, from individuals to landscapes
- Explore or apply for full-time career opportunities or graduate school
- Meet with your advisor to verify remaining degree requirements have been met
\begin{tabular}{|c|c|c|c|}
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline Upper Division Advanced Ecology, Biodiversity, Field or Research Course & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Upper Division Advanced Human Dimensions of Conservation and Ecology & 3 & C \\
\hline Upper Division Elective & 2 & \\
\hline Elective OR BIO 484: Internship OR MIC 484: Internship OR MBB 484: Internship & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.
Hide Course List(s)/Track Group(s)
\begin{tabular}{l} 
Human Dimensions of Conservation and \\
Ecology
\end{tabular}
\begin{tabular}{l} 
Conservation Biology and Ecology Field \\
Methods
\end{tabular}
BIO 304: Plants and Civilization
BIO 324: Environmental Ethics (HU)
BIO 410: Techniques in Conservation Biology
BIO Ecology (L)
- Students must complete BIO 421 or BIO 422 or BIO 423 no later than the eighth term
- Continue to apply for full-time career opportunities or graduate school

\section*{Physical Science Requirement Courses}

CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)

GIS 205: Geographic Information Science I (CS)

GIS 211: Geographic Information Science II (CS)

GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)

GPH 111: Introduction to Physical Geography (SQ)

PHY 101: Introduction to Physics (SQ) or PHY 111: General Physics (SQ) AND PHY
113: General Physics Laboratory (SQ)

Advanced Human Dimensions of Conservation and Ecology

BIO 304: Plants and Civilization
BIO 324: Environmental Ethics (HU)
BIO 434: People and Nature: Ecosystem Services

JUS 444: Environment and Justice (L \& C)
SOS 310: Equity, Justice and Sustainability
SOS 321: Policy and Governance in
Sustainable Systems
SOS 325: The Economics of Sustainability

SOS 212: Calculus-Based Modeling for the
Life and Social Sciences
```

Advanced Ecology, Biodiversity, Field or
Research Course
ABS 376: Wildlife Ecology
ABS 380: Restoration and Wildlife Plants
ABS 470: Life History of Mammals
ABS 476: Big Game Habitat Management
ABS 481: Riparian and Wetland Restoration
ASM 443: Primatology
BIO 303: Plant Diversity and Evolution (L or
SG)
BIO 313: The Flora of Arizona
BIO 325: Oceanography
BIO 331: Animal Behavior
BIO 370: Vertebrate Zoology
BIO 385: Comparative Invertebrate Zoology
BIO 386: General Entomology
BIO 410: Techniques in Conservation Biology
and Ecology (L)
BIO 419: Physiological Plant Ecology
BIO 424: Dynamic Modeling in Social and
Ecological Systems
BIO 498: Sonoran Desert Field Botany
GPH 422: Plant Geography or BIO 430: Plant
Geography

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\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

\section*{Total College Residency Hrs: 12 minimum}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Biological Sciences (Genetics, Cell and Developmental Biology), BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LABSCGBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline BIO 281: Conceptual Approaches to Biology for Majors I (SQ) & 4 & C \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline STP 231: Statistics for Life Science (CS) & 3 & C \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 46-61 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline (4. BIO 345: Organic Evolution & 3 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline
\end{tabular}

Mathematics Placement Assessment score determines placement in mathematics and science courses
- LIA 101 or other First Year Seminar required of all freshman students
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|}
\hline Term 2 15-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline BIO 282: Conceptual Approaches to Biology for Majors II & 4 & C \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 251: Calculus for Life Sciences (MA) & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline 4 Complete BIO 281 AND BIO 282 course(s). & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & \\
\hline Term hours subtotal: & 17 & \\
\hline Term 3-46 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (1) BIO 340: General Genetics & 4 & C \\
\hline CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) & 4 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historic............................................................................. & 3 & \\
\hline Complete First-Year Composition requirement. & & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 2 15-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline BIO 282: Conceptual Approaches to Biology for Majors II & 4 & C \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline MAT 251: Calculus for Life Sciences (MA) & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline 4 Complete BIO 281 AND BIO 282 course(s). & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & \\
\hline Term hours subtotal: & 17 & \\
\hline Term 3-46 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (1) BIO 340: General Genetics & 4 & C \\
\hline CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) & 4 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline ¢ Complete First-Year Composition requirement. & & \\
\hline
\end{tabular}
- Join a student organization
- Create a resume \& Handshake account with the Career \& Professional Development Center
- Explore research opportunities
- Pre-health students should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235 this term. See pre-health website for more information
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.)
- Attend a Study Abroad 101 Session
\begin{tabular}{|c|c|}
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 \\
\hline
\end{tabular}
term. See pre-health website for more information.
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
- Explore or pursue internship opportunities
- Meet with the Career \& Professional Development Center to learn how to develop skills
\begin{tabular}{|c|c|c|}
\hline Term 561-77 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry
\end{tabular} & 6 & C \\
\hline PHY 101: Introduction to Physics (SQ) & 4 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline Term hours subtota & 16 & \\
\hline
\end{tabular}
- Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 this term. See pre-health website for more information
- BIO 351 is only taught in the Fall semester
- Meet with your advisor to discuss ways to maximize your remaining time at ASU
\begin{tabular}{|c|c|c|}
\hline Term 677-92 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline \begin{tabular}{l}
BIO 351: Developmental Biology OR BIO 353: Cell Biology OR \\
BCH 361: Advanced Principles of Biochemistry
\end{tabular} & 3 & C \\
\hline BIO 360: Animal Physiology OR BIO 446: Principles of Human Genetics (L) OR MBB 440: Functional Genomics OR MIC 420: Immunology: Molecular and Cellular Foundations & 3 & C \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}
- Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See pre-health website for more information
- Use Handshake to research employment opportunities
\begin{tabular}{|c|c|c|c|}
\hline Term 792-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Major Laboratory/Research Course & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Explore or apply for full-time career opportunities or graduate school \\
- Meet with your advisor to verify remaining degree requirements have been met
\end{tabular}} \\
\hline Upper Division Major Elective & 3 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective OR BIO 484: Internship OR MIC 484: Internship OR MBB 484: Internship & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8107-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Major Laboratory/Research Course & 1 & C & \multirow[t]{2}{*}{- Continue to apply for full-time career opportunities or graduate school} \\
\hline BIO 360: Animal Physiology OR BIO 446: Principles of Human & & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Major Laboratory/Research Courses & Major Electives \\
\hline BIO 308: Plant Physiology & BCH 367: Elementary Biochemistry \\
\hline \multirow[t]{2}{*}{BIO 342: General Genetics Laboratory} & Laboratory \\
\hline & \multirow[t]{2}{*}{BIO 302: Cancer--Mother of All Diseases (L)} \\
\hline BIO 352: Laboratory in Vertebrate & \\
\hline Developmental Anatomy & BIO 308: Plant Physiology \\
\hline \multirow[t]{2}{*}{BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging} & BIO 312: Bioethics (HU) \\
\hline & BIO 320: Fundamentals of Ecology \\
\hline BIO 453: Animal Histology & \\
\hline \multirow[t]{3}{*}{BIO 495: Undergraduate Research or MBB 495: Undergraduate Research or MIC 495: Undergraduate Research} & BIO 342. General Genetics Laborat \\
\hline & BIO 346: The Darwinian Revolution \\
\hline & BIO 352: Laboratory in Vertebrate \\
\hline \multirow[t]{2}{*}{MBB 343: Genetic Engineering and Society (L)} & Developmental Anatomy \\
\hline & BIO 355: Introduction to Computational \\
\hline \multirow[t]{2}{*}{MBB 350: Applied Genetics} & Molecular Biology (CS) or MBB 355: \\
\hline & Introduction to Computational Molecular \\
\hline \multirow[t]{2}{*}{MIC 206: Microbiology Laboratory (SG) AND MIC 220: Biology of Microorganisms} & Biology (CS) \\
\hline & BIO 360: Animal Physiology \\
\hline MIC 302: Advanced Bacteriology Laboratory (L) & BIO 406: Computer Applications in Biology \\
\hline \multirow[t]{9}{*}{MIC 421: Experimental Immunology} & BIO 415: Biometry (CS) \\
\hline & BIO 416: Biomedical Research Ethics (L) \\
\hline & BIO 431: Genes, Development, and Evolution (L) \\
\hline & BIO 440: Functional Genomics or MBB 440: Functional Genomics \\
\hline & BIO 446: Principles of Human Genetics (L) \\
\hline & BIO 451: Cell Biotechnology: Cell Culture, Immunocytochemistry and Bioimaging \\
\hline & BIO 453: Animal Histology \\
\hline & BIO 455: Introduction to Comparative Genomics \\
\hline & BIO 462: Endocrine Physiology \\
\hline
\end{tabular}
BIO 467: Neurobiology
HPS 322: History of Science (HU \& H)
HPS 323: History of Science (HU \& H)
HPS 330: History of Biology: Conflicts and
Controversies (H)
HPS 331: History of Medicine (HU \& H)
MBB 343: Genetic Engineering and Society
(L) or BIO 343: Genetic Engineering and
Society (L)
MBB 350: Applied Genetics
MIC 302: Advanced Bacteriology Laboratory
(L)
MIC 420: Immunology: Molecular and
Cellular Foundations
MIC 421: Experimental Immunology
MIC 485: General Virology

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Biological Sciences (Neurobiology, Physiology and Behavior), BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LABSCABS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline BIO 281: Conceptual Approaches to Biology for Majors I (SQ) & 4 & C \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline STP 231: Statistics for Life Science (CS) & 3 & C \\
\hline Term hours sub & 15 & \\
\hline
\end{tabular}

Notes
- Mathematics Placement Assessment score determines placement in mathematics and science courses
- LIA 101 or other First Year Seminar required of all freshman students.
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Select your career interest area and play me3@ASU
Term 2 15-32 Credit Hours Critical course signified by 1. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
Term 3 32-46 Credit Hours Critical course signified by 4. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

\footnotetext{
- Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.
}
\begin{tabular}{l} 
Term 446-62 Credit Hours Critical course signified by © \\
\hline Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} \\
\hline BIO 345: Organic Evolution \\
\hline Literacy and Critical Inquiry (L)
\end{tabular}

- Pre-health students should take CHM 234 and CHM 238 instead of an elective this term. See pre-health website for more information
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
- Meet with the Career \& Professional Development Center to learn how to develop skills
- Explore or pursue internship opportunities
Term 5 62-78 Credit Hours Necessary course signified by

BIO 436: Sociobiology and Behavioral Ecology OR BIO 461: Comparative Animal Physiology OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology OR MIC 420: Immunology: Molecular and Cellular Foundations
\begin{tabular}{|c|c|c|}
\hline BCH 361: Advanced Principles of Biochemistry & 3 & C \\
\hline Upper Division Major Comparative Structure and Function Course & 4 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Upper Division Elective & 1 & \\
\hline
\end{tabular}
- Explore or apply for full-time career opportunities or graduate school
- Meet with your advisor to verify remaining degree requirements have been met
Term 8 107-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{l} 
Major Comparative Structure and Function \\
Courses
\end{tabular} \\
\hline Major Laboratory/Research Courses
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LABIPHBS
\begin{tabular}{l} 
Term 10-15 Credit Hours Critical course signified by 4 \\
(4) MAT 270: Calculus with Analytic Geometry I (MA) \\
\hline BIO 181: General Biology I (SQ) \\
\hline ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition \\
LIA 101: Student Success in the College of Liberal Arts and \\
Sciences \\
Humanities, Arts and Design (HU) AND Cultural Diversity in the \\
U.S. (C)
\end{tabular}

Term hours subtotal: 15
\begin{tabular}{|c|c|c|}
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline 4. MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C \\
\hline (4. PHY 150: Physics I (SQ) & 4 & C \\
\hline BIO 182: General Biology II (SG) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline (1) Maintain 2.50 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}

\section*{Term hours subtotal: \\ 15}
\begin{tabular}{|c|c|c|c|}
\hline Term 330-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4. MAT 272: Calculus with Analytic Geometry III (MA) & 4 & C & \multirow{7}{*}{\begin{tabular}{l}
- PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151 , respectively \\
- CHM 113 may be used in place of CHM 117 and CHM 111
\end{tabular}} \\
\hline (4) PHY 151: Physics II (SQ) & 4 & C & \\
\hline CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) & 4 & C & \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline (1) Maintain 2.50 GPA in Critical Tracking Courses. & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 45-62 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
(1) PHY 201: Mathematical Methods in Physics I (CS)
(1) PHY 252: Physics III (SQ)
- CHM 116 may be used in place of CHM 118 and CHM 112, and students who took CHM 113 must take this course instead of the CHM 118 and CHM 112.
\begin{tabular}{|c|c|c|c|}
\hline CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ) & 4 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- MAT 275 (Modern Differential Equations) AND MAT 342 (Linear Algebra) may be taken in place of PHY 201. The combination MAT 275 + MAT 342 is sufficient, but PHY 201 is recommended. \\
- Explore research fields within physics.
\end{tabular}} \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Maintain 2.50 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% CHM 345: Physical Chemistry I & 3 & C & \multirow[t]{6}{*}{- Gain research experience} \\
\hline BIO 360: Animal Physiology OR BIO 353: Cell Biology & 3 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 677-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W CHM 346: Physical Chemistry II & 3 & C & \multirow[t]{5}{*}{- Use Handshake to research employment opportunities} \\
\hline \% PHY 312: Mechanics and Electromagnetism & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 792-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PHY 371: Driving Forces in Biology & 3 & C & \multirow[t]{6}{*}{- Develop your professional online presence} \\
\hline 5 PHY 472: Advanced Biophysics Lab & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective OR PHY 484: Internship & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8107-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline PHY 473: From Molecules to Cells & 3 & C \\
\hline Complete 3 courses: & \multicolumn{2}{|l|}{\multirow[t]{2}{*}{9}} \\
\hline Upper Division Elective & & \\
\hline Elective & 1 & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be
upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

\section*{Hide Course List(s)/Track Group(s)}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Chemistry, BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LACHMBA
Term 10 - 15 Credit Hours Critical course signified by
CHM 117: General Chemistry for Majors I (SQ) AND CHM 111:
General Chemistry Laboratory for Majors I (SQ) OR CHM 113:
General Chemistry I (SQ)
4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 15
\begin{tabular}{|c|c|c|}
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline (1) CHM 233: General Organic Chemistry I & 3 & C \\
\hline 4. CHM 237: General Organic Chemistry Laboratory I & 1 & C \\
\hline (4) PHY 111: General Physics (SQ) & 3 & C \\
\hline PHY 113: General Physics Laboratory (SQ) & 1 & C \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.

Computer/Statistics/Quantitative Applications (CS)
3
4. Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.
Term hours subtotal:
15
- Discuss study abroad opportunities with a School of Molecular Sciences advisor or an International Coordinator.


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Chemistry, BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LACHMBA
and
Secondary
Education,
BAE
Mary Lou Fulton Teachers College TESEDBAE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

CHM 117: General Chemistry for Majors I (SQ) AND CHM 111:
4. General Chemistry Laboratory for Majors I (SQ) OR CHM 113:

4 General Chemistry I (SQ)
4. MAT 270: Calculus with Analytic Geometry I (MA)

4
C
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
LIA 101: Student Success in the College of Liberal Arts and Sciences OR TEL 101: Professional Educator Series: My Footprint

Humanities, Arts and Design (HU) AND Global Awareness (G) 3
Term hours subtotal: 15
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

CHM 118: General Chemistry for Majors II (SQ) AND CHM 112:
General Chemistry Laboratory for Majors II (SQ) OR CHM 116:
General Chemistry II (SQ)
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
MAT 271: Calculus with Analytic Geometry II (MA)
4
C
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or

4
C equivalent), including American Sign Language IV.

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:

\section*{15}
\begin{tabular}{|c|c|c|}
\hline Term 3 30-45 Credit Hours Critical course signified by ! & Hours & Minimum Grade \\
\hline 4. CHM 233: General Organic Chemistry I & 3 & C \\
\hline ¢. CHM 237: General Organic Chemistry Laboratory I & 1 & C \\
\hline 4 PHY 111: General Physics (SQ) & 3 & C \\
\hline PHY 113: General Physics Laboratory (SQ) & 1 & C \\
\hline
\end{tabular}
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Connect with a Career Advisor by registering for a Handshake account.
\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline \multicolumn{4}{|l|}{} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 PHY 112: General Physics (SQ) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Teachers College Requirement: Apply for Identity Verified Print (IVP) DPS fingerprint clearance card. \\
- Network in your career interest area.
\end{tabular}} \\
\hline PHY 114: General Physics Laboratory (SQ) & 1 & C & \\
\hline CHM 234: General Organic Chemistry II & 3 & C & \\
\hline CHM 238: General Organic Chemistry Laboratory II & 1 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) ( GCU 113 recommended) & 3 & & \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 5 \text { 60-77 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{c} 
Notes
\end{tabular}

Term hours subtotal: 17

Term 92 - 108 Credit Hours Necessary course signified by
BLE 407: SEI for Secondary Students (L)
Hide Course List(s)/Track Group(s)
Non-Teacher Certification Track
ECS Upper Division Elective
EDP Upper Division Elective
EDT Upper Division Elective
SCN Upper Division Elective
SED Upper Division Elective
SPE Upper Division Elective
SPF Upper Division Elective
TEL Upper Division Elective
USL Upper Division Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Chemistry, BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LACHMBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{\text {(1). }}\) & Hours & Minimum Grade \\
\hline \begin{tabular}{l}
CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: \\
General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)
\end{tabular} & 4 & C \\
\hline 1. MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: \\
General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)
\end{tabular} & 4 & C & - Connect with a Career Advisor by registering for a Handshake account. \\
\hline
\end{tabular}


MAT 271: Calculus with Analytic Geometry II (MA) 4
PHY 121: University Physics I: Mechanics (SQ) 3
PHY 122: University Physics Laboratory I (SQ) 1
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3
ENG 107 or ENG 108: First-Year Composition
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal: 15

CHM 234: General Organic Chemistry II
CHM 238: General Organic Chemistry Laboratory II
Literacy and Critical Inquiry (L)
\begin{tabular}{|c|c|c|}
\hline Term 560-74 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline CHM 345: Physical Chemistry I & 3 & C \\
\hline CHM 348: Physical Chemistry Laboratory I (L) & 1 & C \\
\hline CHM 325: Analytical Chemistry & 3 & C \\
\hline CHM 326: Advanced Analytical Chemistry Laboratory & 1 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Elective & 3 & \\
\hline Term hours su & 14 & \\
\hline
\end{tabular}
\begin{tabular}{l} 
Term 6 74-89 Credit Hours Necessary course signified by \\
\begin{tabular}{l} 
Hours \\
CHM 346: Physical Chemistry II
\end{tabular} \\
\begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} \\
\hline CHM 349: Physical Chemistry Laboratory II (L) \\
\hline CHM 327: Instrumental Analysis
\end{tabular}
- Transferring students may take MAT 274 or MAT 275 (Differential Equations) and MAT 242 (Linear Algebra) in place of the 5 units of "elective". These two courses may allow the student to meet Term 4 critical tracking and the enrollment requirements for CHM 345 in Term 5.

Explore internship opportunities.
- CHM 325, 326, 345, and 348 are only offered in the Fall semester.
- Create a first draft resume.

CHM 328: Instrumental Analysis Laboratory \(\quad 2 \quad\) C
Social-Behavioral Sciences (SB) AND Historical Awareness (H) 3
Upper Division Elective 3
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 789-104 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline CHM 453: Inorganic Chemistry & 3 & C \\
\hline CHM 460: Biological Chemistry & 3 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & \multicolumn{2}{|l|}{3} \\
\hline Upper Division Elective OR CHM 484: Internship & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 8104-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline CHM 452: Inorganic Chemistry Laboratory (L) & 1 & C \\
\hline CHM OR BCH Upper Division Elective & 3 & C \\
\hline Upper Division CLAS Science and Society Elective & 3 & C \\
\hline Complete 2 courses: Upper Division Elective & \multicolumn{2}{|l|}{6} \\
\hline Elective & 3 & \\
\hline Term hours subtota & 16 & \\
\hline
\end{tabular}

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

\section*{Hide Course List(s)/Track Group(s)}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Chemistry (Environmental Chemistry), BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LACHMEBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline \begin{tabular}{l}
CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: \\
General Chemistry Laboratory for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)
\end{tabular} & 4 & C \\
\hline 4 . MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: \\
General Chemistry Laboratory for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)
\end{tabular} & 4 & C & - Connect with a Career Advisor by registering for a Handshake account. \\
\hline
\end{tabular}
I............................................................................................

MAT 271: Calculus with Analytic Geometry II (MA) 4
PHY 121: University Physics I: Mechanics (SQ) 3
PHY 122: University Physics Laboratory I (SQ) 1
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3
ENG 107 or ENG 108: First-Year Composition
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal: 15

\begin{tabular}{|c|c|c|}
\hline CHM 234: General Organic Chemistry II & 3 & C \\
\hline CHM 238: General Organic Chemistry Laboratory II & 1 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 5 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline CHM 302: Environmental Chemistry & 3 & C \\
\hline CHM 345: Physical Chemistry I & 3 & C \\
\hline CHM 348: Physical Chemistry Laboratory I (L) & 1 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 676-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline GLG 321: Mineralogy & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- CHM 303 and GLG 321 are only offered in the Spring semester \\
- Explore internship opportunities.
\end{tabular}} \\
\hline CHM 303: Environmental Chemistry Laboratory (L) & 2 & C & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}
- Transferring students may take MAT 274 or MAT 275 (Differential Equations) and MAT 242 (Linear Algebra) in place of the 5 units of "elective". These two courses may allow the student to meet Term 4 critical tracking and the enrollment requirements for CHM 345 in Term 5.
- CHM 302, 345, and 348 are only offered in the Fall semester.
- Create a first draft resume.

CHM 303 and GLG 321 are only offered in the Spring semester
Explore internship opportunities.
\(\begin{array}{l}\text { Term } 7 \text { 90-106 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
he Fall semester.
- Apply for full-time career opportunities. Division Social-Behavioral Sciences (SB)3Upper Division Elective OR CHM 484: Internship 3
Complete 2 courses: ..... 6Upper Division Elective
\(\qquad\)
\(\begin{array}{l}\text { Term } 8 \text { 106-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Civic and Economic Thought and Leadership, BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LACELBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) CEL 100: Great Ideas of Politics and Ethics & 3 & C & \multirow[b]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
- Select your career interest area and play me3@ASU. \\
- Create a first draft resume.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-30 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (-) CEL 200: Great Debates in American Politics and Economics & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Network in your career interest area. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline 4. Complete ENG 101 or ENG 105 or ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 30-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline CEL Elective & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline (4) Complete First-Year Composition requirement. & & & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal & 14 & & \\
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4. Related Area Course & 3 & C & - See your academic advisor to explore internship opportunities. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline
\end{tabular}
Term 5 60-76 Credit Hours Necessary course signified by

CEL 305: Classical Political Philosophy and Statesmanship: The
Greeks OR CEL 320: Modern Political Thought: Origins and Debates 3 C about Modern Liberty

CEL 345: Classics of Modern Economic Thought: Smith to Hayek and
3 C Beyond

Upper Division Related Area Course 3 C

Humanities, Arts and Design (HU)
3
Upper Division Elective
3
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 791-106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W CEL 475: Statesmanship and American Grand Strategy & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Gather online references. \\
- Update and polish your resume. \\
- Apply to graduate programs.
\end{tabular}} \\
\hline CEL 484: Internship & 3 & C & \\
\hline CEL Upper Division Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- Develop your professional online presence.
- Use Handshake to research employment opportunities.
- Gather online references.
- Update and polish your resume.
- Apply to graduate programs.
CEL 375: Politics and Leadership in the Age of Revolutions, 1776-1826
3 C
C
CEL 485: Capstone Seminar in Civic and Economic Thought and Leadership
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB
3
Upper Division Elective 3
- Secure a part-time job or volunteer experience.

CEL 499 and additional CEL 484 CEL elective requirement.
- Explore graduate programs with faculty and your advisor.


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Communication, BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LACOMBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] \\
\hline 4. COM 100: Introduction to Human Communication (SB) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}

Notes
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into
first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college specific equivalent First Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Join a student club or professional organization \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Complete 2 courses. Elective & 6 & & \\
\hline 4. Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-47 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. COM 207: Introduction to Communication Inquiry & 3 & C & \multirow[t]{5}{*}{- Develop your skills} \\
\hline 4 COM 225: Public Speaking (L) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline
\end{tabular}
1. Complete Mathematics (MA) requirement.

Minimum 2.00 GPA ASU Cumulative.
Complete First-..............................................................................................................
Term hours subtotal:
17
\begin{tabular}{|c|c|c|c|}
\hline Term 4-62 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. COM 308: Advanced Research Methods in Communication (L) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking. \\
- Explore an internship
\end{tabular}} \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 5 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Complete 2 courses:
COM 110: Elements of Interpersonal Communication (SB) or COM
310: Relational Communication OR COM 250: Communication and
the Workplace (SB) OR COM 241: Introduction to Oral
6
Interpretation (L or HU) OR COM 263: Elements of Intercultural
Communication (SB \& C \& G) OR COM 321: Rhetorical Theory and
Research ((L or HU) \& H)
\begin{tabular}{|c|c|}
\hline Computer/Statistics/Quantitative Applications (CS) & 3 \\
\hline Upper Division Elective & 3 \\
\hline Elective OR COM 484: Internship & 3 \\
\hline
\end{tabular}
- Select COM courses in consultation with academic advisor
- Majors will select two Areas of Emphasis from the five available options and complete both required courses in each of the two chosen areas. The first required course from the two selected areas should be completed in term 5 and the second required course in each selected area should be completed in term 6 .
- It is recommended that upper division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.
- Develop your professional online presence
\begin{tabular}{|c|c|c|c|}
\hline Term 677-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
COM 410: Interpersonal Communication Theory and Research (SB) OR COM 421: Rhetoric of Social Issues (HU) OR COM 442: \\
Identity, Performance, and Human Communication OR COM 450: Organizational Communication (SB) OR COM 463: Intercultural Communication in a Global Context (SB \& G)
\end{tabular} & 6 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Select COM courses in consultation with academic advisor \\
- Majors will select two Areas of Emphasis from the five available options and complete both required courses in each of the two chosen areas. The first required course from the two selected areas should be completed in term 5 and the second required course in each selected area should be completed in term 6. \\
- It is recommended that upper division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6. \\
- Use Handshake to research employment opportunities
\end{tabular}} \\
\hline COM Upper Division Elective & 3 & C & \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Select COM courses in consultation with academic advisor
- It is recommended that upper division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.
- Apply for full-time career opportunities
\begin{tabular}{|c|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline COM 4** Elective & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Select COM courses in consultation with academic advisor \\
- It is recommended that upper division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.
\end{tabular}} \\
\hline COM Upper Division Elective & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal & 12 & & \\
\hline
\end{tabular}
- Majors will select two out of five Areas of Emphasis and complete both required courses in each of the two chosen areas.

Emphasis areas include Communication and Healthy Relating; Workplace, Organizational, and Leadership Communication; Civility, Advocacy, and Engaging Publics; Communication, Creativity, and Performance; and Communication Across Cultures. The required course sequence for each area is listed at the top of each track list below. In the Communication and Healthy Relating Area of Emphasis student may complete COM 310 as an upper division elective if not used toward the required courses in the area, but cannot be counted for both a required course and an elective.

Hide Course List(s)/Track Group(s)
Civility, Advocacy and Engaging Publics
\begin{tabular}{l} 
COM 321: Rhetorical Theory and Research \\
((L or HU) \& H) AND COM 421: Rhetoric of \\
Social Issues (HU)
\end{tabular}
\begin{tabular}{l} 
COM 241: Introduction to Oral Interpretation \\
(L or HU) AND COM 442: Identity, \\
Performance, and Human Communication
\end{tabular}
Electives:
COM 222: Argumentation (L)
COM 316: Gender and Communication (SB \& \begin{tabular}{l} 
COM 281: Communication Activities
\end{tabular}

Workplace, Organizational and Leadership Communication

COM 250: Communication and the Workplace (SB) AND COM 450: Organizational Communication (SB)

\section*{Electives:}

COM 230: Small Group Communication (SB)
COM 312: Communication, Conflict, and Negotiation

COM 377: Communication, Terrorism, and National Security

COM 394: Communication, Culture, and New Media Technologies

COM 414: Crisis Communication

COM 430: Leadership in Group
Communication
COM 452: Communication and the Art of Happiness

COM 453: Communication Training and Development
\begin{tabular}{|c|c|}
\hline Communication and Healthy Relating & Communication Across Cultures \\
\hline \multirow[t]{7}{*}{COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational Communication AND COM 410: Interpersonal Communication Theory and Research (SB)} & COM 263: Elements of Intercultural \\
\hline & Communication (SB \& C \& G) AND COM \\
\hline & 463: Intercultural Communication in a Global \\
\hline & Context (SB \& G) \\
\hline & \\
\hline & Electives: \\
\hline & COM 317: Nonverbal Communication \\
\hline Electives: & COM 327: Civil Communication \\
\hline COM 310: Relational Communication & COM 394: Communication, Culture, and New \\
\hline \multirow[t]{2}{*}{COM 312: Communication, Conflict, and Negotiation} & Media Technologies \\
\hline & COM 442: Identity, Performance, and Human \\
\hline \multirow[t]{2}{*}{COM 316: Gender and Communication (SB \& C)} & Communication \\
\hline & COM 465: Intercultural Communication \\
\hline COM 317: Nonverbal Communication & Workshop \\
\hline COM 319: Persuasion and Social Influence (SB) & COM 494: Communication in Multi-National Organizations \\
\hline COM 411: Communication in the Family (SB) & COM 494: Conflict and Intercultural Dialogue \\
\hline COM 452: Communication and the Art of Happiness & \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Communication, BS}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LACOMBS


\begin{tabular}{|c|c|c|}
\hline CLAS Science and Society Elective & 3 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Complete 2 courses: Elective & 6 & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found here
- Explore an internship
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.
\begin{tabular}{|c|c|c|c|c} 
Term 563-78 Credit Hours Necessary course signified by & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

Complete 2 courses:
COM 110: Elements of Interpersonal Communication (SB) or COM
310: Relational Communication OR COM 241: Introduction to Oral
Interpretation (L or HU) OR COM 250: Communication and the
Workplace (SB) OR COM 263: Elements of Intercultural
Communication (SB \& C \& G) OR COM 321: Rhetorical Theory and
Research ((L or HU) \& H)

- All students pursuing a B.S. or B.S.P degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found here.
- Majors will select two Areas of Emphasis from five available options and complete both required courses in each of the two chosen areas. The first course from each selected area should be completed in term 5 and the second course from each selected area should be completed in term 6.
- COM 310 may be used as an upper-division COM elective if not selected as a required course for the Communication and Healthy Relating Area of Emphasis.
- Develop your professional online presence
\begin{tabular}{|c|c|c|c|}
\hline Term 6 78-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
COM 410: Interpersonal Communication Theory and Research (SB) OR COM 421: Rhetoric of Social Issues (HU) OR COM 442: \\
Identity, Performance, and Human Communication OR COM 450: Organizational Communication (SB) OR COM 463: Intercultural Communication in a Global Context (SB \& G)
\end{tabular} & 6 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Select COM courses in conjunction with academic advisor \\
- Majors will select two Areas of Emphasis from five available options and complete both required courses in each of the two chosen areas. The first course from each selected area should be completed in term 5 and the second course from each selected area should be completed in term 6. \\
- Use Handshake to research employment opportunities
\end{tabular}} \\
\hline COM Upper Division Elective & 3 & C & \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline I COM 408: Quantitative Research Methods in Communication & 3 & C & \multirow{3}{*}{- Select COM courses in conjunction with academic advisor} \\
\hline COM Upper Division Elective & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline
\end{tabular}

- It is recommended that upper division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.
- Apply for full-time career opportunities
\begin{tabular}{|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline \% COM 4** Elective & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & \\
\hline Elective & 3 & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & \\
\hline Term hours subt & 12 & \\
\hline
\end{tabular}
- Select COM courses in conjunction with academic advisor
- It is recommended that upper-division COM electives be chosen from the two Areas of Emphasis from which required courses are selected in terms 5 and 6.
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Majors will select two out of five Areas of Emphasis and complete both required courses in each of the two chosen areas. Emphasis areas include Communication and Healthy Relating; Workplace, Organizational, and Leadership Communication; Civility, Advocacy, and Engaging Publics; Communication, Creativity, and Performance; and Communication Across Cultures. The required course sequence for each area is listed at the top of each track list below. In the Communication and Healthy Relating Area of Emphasis, students may complete COM 310 as an upper division elective if not used toward the required courses in the area, but it cannot be counted for both a required course and an elective.

\begin{tabular}{|c|c|}
\hline Communication and Healthy Relating & Communication Across Cultures \\
\hline \multirow[t]{7}{*}{\begin{tabular}{l}
COM 110: Elements of Interpersonal Communication (SB) AND COM 410: Interpersonal Communication Theory and Research (SB) or COM 310: Relational Communication AND COM 410: \\
Interpersonal Communication Theory and Research (SB)
\end{tabular}} & COM 263: Elements of Intercultural \\
\hline & Communication (SB \& C \& G) AND COM \\
\hline & 463: Intercultural Communication in a Global \\
\hline & Context (SB \& G) \\
\hline & \\
\hline & Electives: \\
\hline & COM 317: Nonverbal Communication \\
\hline Electives: & COM 327: Civil Communication \\
\hline COM 310: Relational Communication & COM 394: Communication, Culture, and New \\
\hline \multirow[t]{2}{*}{COM 312: Communication, Conflict, and Negotiation} & Media Technologies \\
\hline & COM 442: Identity, Performance, and Human \\
\hline \multirow[t]{2}{*}{COM 316: Gender and Communication (SB \& C)} & Communication \\
\hline & COM 465: Intercultural Communication \\
\hline COM 317: Nonverbal Communication & Workshop \\
\hline COM 319: Persuasion and Social Influence (SB) & COM 494: Communication in Multi-National Organizations \\
\hline COM 411: Communication in the Family (SB) & COM 494: Conflict and Intercultural Dialogue \\
\hline COM 452: Communication and the Art of Happiness & \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Communication, BS
School/College: College of Liberal Arts and Sciences
Location: Online
LACOMBS

Fast Track Options: 2.5 Year | 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & Minimum Grade & Notes \\
\hline COM 100: Introduction to Human Communication (SB) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or College specific equivalent First Year Seminar is required for all freshman students \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline ASU 101-UC: The ASU Experience & 1 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Mathematics (MA) ( MAT 142 recommended) & 3 & C & \multirow{3}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition
4 OR ENG 105: Advanced First-Year Composition OR ENG 107
3
C
First-Year Composition or ENG 108: First-Year Composition

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-A 25-31 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 COM 207: Introduction to Communication Inquiry & 3 & C & - Develop your skills \\
\hline 1. COM 259: Communication in Business and the Professions & 3 & C & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 81-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline COM 430: Leadership in Group Communication & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § COM 453: Communication Training and Development & 3 & C & \multirow[t]{3}{*}{- Develop your professional online presence} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 93-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Complete 2 courses: Upper Division Elective Minimum 2.00 GPA ASU Cumulative.
Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline COM 408: Quantitative Research & munication & 3 & C & \multirow[t]{3}{*}{- Gather professional references} \\
\hline \multicolumn{2}{|l|}{Upper Division Elective} & 3 & & \\
\hline & Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours & & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Complete 2 courses: Elective Term hours subtotal:
6
\begin{tabular}{|c|c|c|c|}
\hline Term 10-B 117-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Elective & 3 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be
upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

\section*{Hide Course List(s)/Track Group(s)}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Computational Mathematical Sciences, BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LACMSBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{4}\). & Hours & Minimum Grade & Notes \\
\hline 4 - CSE 110: Principles of Programming with Java (CS) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.50 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 2 14-31 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline 1 CSE 205: Object-Oriented Programming and Data Structures (CS) & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation. \\
- Join a student club or professional organization, like Math Club
\end{tabular}} \\
\hline 4 . MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline
\end{tabular}

Science Sequence Course AND Natural Science - Quantitative (SQ)
Literacy and Critical Inquiry (L) ( PHI 103 recommended)
4 C

3
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Maintain 2.50 GPA in Critical Tracking Courses.
Minimum 2.00 GPA in MAT and STP.
Term hours subtotal: 17
\begin{tabular}{|c|c|c|}
\hline Term 3 31-47 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & Minimum Grade \\
\hline (1. CSE 240: Introduction to Programming Languages & 3 & C \\
\hline 4 (1) MAT 272: Calculus with Analytic Geometry III (MA) & 4 & C \\
\hline 4 MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}

Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Maintain 2.50 GPA in Critical Tracking Courses.
Minimum 2.00 GPA in MAT and STP.
\begin{tabular}{|c|c|c|c|}
\hline Term 4-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Grade & Notes \\
\hline 1 - MAT 300: Mathematical Structures (L) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Minimum grade of C required in all MAT classes; grade of B or better strongly correlated with timely graduation \\
- Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program. \\
- Develop professional skills \\
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
\end{tabular}} \\
\hline (1. MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra & 3 & C & \\
\hline Science Sequence Course AND Natural Science - Quantitative (SQ) or Natural Science - General (SG) & 4 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Maintain 2.50 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 563-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation \\
- Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation. \\
- Develop your professional online presence. \\
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
\end{tabular}} \\
\hline 2 MAT 420: Scientific Computing & 3 & C & \\
\hline Science Sequence Course & 4 & C & \\
\hline Elective & 4 & & \\
\hline Minimum 2.00 GPA in MAT and STP. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 677-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § MAT 421: Applied Computational Methods (CS) & 3 & C & \multirow[b]{3}{*}{- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation} \\
\hline Science Sequence Course & 4 & C & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & - Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & - Meet with a career counselor from ASU Career Services for a review of your \\
\hline Minimum 2.00 GPA in MAT and STP. & & & \\
\hline
\end{tabular}

Term hours subtotal: 16
Term 7 93-108 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
- Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.
- Gather professional references.
\begin{tabular}{l} 
Term \(\mathbf{8 1 0 8} \mathbf{- 1 2 0}\) Credit Hours Necessary course signified by \\
\begin{tabular}{l} 
Complete 2 courses: \\
Upper Division Advanced Courses
\end{tabular} \\
\hline
\end{tabular}

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB
Upper Division Elective 3

Minimum 2.00 GPA in MAT and STP.
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
- Meet with your academic advisor for final degree check and apply for graduation through your My ASU
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/advising-and-academic-services/science-and-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

The Computational Mathematical Sciences degree requires students to select and complete two one-year lecture and lab combinations. Upon advisor approval, two advanced courses for which the first one-year science and lab sequence is a prerequisite may be substituted for the second one-year science and lab sequence.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline Science Sequence Courses & Internship, Research, or Advanced Science \\
\hline \multirow[t]{7}{*}{AST 111: Introduction to Solar Systems Astronomy (SQ) AND AST 113: Astronomy Laboratory I (SQ) AND AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) AND AST 114: Astronomy Laboratory II (SQ) or AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) AND AST 113: Astronomy Laboratory I (SQ) AND AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ) AND AST 114: Astronomy Laboratory II (SQ)} & AST Upper Division Elective \\
\hline & BIO 320: Fundamentals of Ecology \\
\hline & BME Upper Division Elective \\
\hline & CEE Upper Division Elective \\
\hline & CHE Upper Division Elective \\
\hline & CHM Upper Division Elective \\
\hline & CIS Upper Division Elective \\
\hline BIO 181: General Biology I (SQ) AND BIO 182: General Biology II (SG) & CSE Upper Division Elective \\
\hline & EEE Upper Division Elective \\
\hline CHM 113: General Chemistry I (SQ) AND CHM 116: General Chemistry II (SQ) & GLG 305: Dynamic Earth \\
\hline \multirow[t]{3}{*}{CHM 114: General Chemistry for Engineers (SQ) AND CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)} & GLG 321: Mineralogy \\
\hline & GLG 362: Geomorphology \\
\hline & GLG 4** Elective \\
\hline \multirow[t]{4}{*}{CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I (SQ) AND CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II (SQ)} & IEE Upper Division Elective \\
\hline & MAE Upper Division Elective \\
\hline & MAT 484: Internship \\
\hline & MAT 493: Honors Thesis (L) \\
\hline GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ) AND GLG 102: & MAT 495: Supervised research in mathematical sciences \\
\hline
\end{tabular}
\begin{tabular}{|c|}
\hline Advanced Courses \\
\hline MAT 351: Mathematical Methods for Genetic Analysis (CS) \\
\hline MAT 415: Introduction to Combinatorics \\
\hline MAT 416: Introduction to Graph Theory \\
\hline MAT 419: Introduction to Linear Optimization (CS) \\
\hline MAT 423: Numerical Analysis I (CS) \\
\hline MAT 425: Numerical Analysis II (CS) \\
\hline MAT 447: Cryptography I \\
\hline MAT 451: Mathematical Modeling (CS) \\
\hline MAT 452: Introduction to Chaos and Nonlinear Dynamics \\
\hline MAT 461: Applied Complex Analysis \\
\hline MAT 462: Applied Partial Differential Equations \\
\hline MAT 475: Differential Equations \\
\hline MAT 476: Partial Differential Equations \\
\hline STP 420: Introductory Applied Statistics (CS) \\
\hline STP 421: Probability \\
\hline STP 425: Stochastic Processes \\
\hline
\end{tabular}

STP 427: Mathematical Statistics
\begin{tabular}{lll} 
Introduction to Geology II (Historical) (SG \& & MIC Upper Division Elective & STP 429: Experimental Statistics (CS) \\
H) AND GLG 104: Introduction to Geology & MSE Upper Division Elective & \\
II-Laboratory (SG) & PHI 413: Advanced Symbolic Logic & \\
\begin{tabular}{l} 
PHY 121: University Physics I: Mechanics \\
(SQ) AND PHY 122: University Physics
\end{tabular} & PHY Upper Division Elective & \\
Laboratory I (SQ) AND PHY 131: University & PLB Upper Division Elective & \\
Physics II: Electricity and Magnetism (SQ) & AND PHY 132: University Physics
\end{tabular}

Laboratory II (SQ)
PHY 150: Physics I (SQ) AND PHY 151:
Physics II (SQ)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Earth and Environmental Studies, BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAEESBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4. MAT 170: Precalculus (MA) & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- LIA 101 is mandatory for all incoming freshmen.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline \begin{tabular}{l}
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: \\
Earth, Solar System and Universe Laboratory (SQ)
\end{tabular} & 4 & C & \begin{tabular}{l}
freshmen. \\
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during
\end{tabular} \\
\hline SES 191: Exploring SESE & 1 & C & the academic year. Each student will be \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & ssigned a SESE faculty mentor. Students can \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
find their faculty mentor on the SESE \\
advising website. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) Approved BIO or PHY Course & 4 & C & \multirow[b]{3}{*}{- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.} \\
\hline (4) Laboratory Science Major Elective & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & find their faculty mentor on the SESE \\
\hline \multicolumn{3}{|l|}{(4) Milestone: Complete SESE faculty mentoring.} & - Join a student club or professional \\
\hline Term & 15 & & organization. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 330-47 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ) & 4 & C \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Elective & 3 & \\
\hline
\end{tabular}

Complete First-Year Composition requirement.

\section*{Complete Mathematics (MA) requirement.}
academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.
\begin{tabular}{|c|c|c|c|}
\hline Term 4-61 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline Laboratory Science Major Elective & 4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website. \\
- Explore an internship.
\end{tabular}} \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Milestone: Complete SESE faculty mentoring. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 561-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

GLG 325: Oceanography \(\quad 3\)
Humanities, Arts and Design (HU) 3
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.

Upper Division Elective
Elective 3
Term hours subtotal: 16
\begin{tabular}{|c|c|c|}
\hline Term 677-92 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline GLG 305: Dynamic Earth & 3 & C \\
\hline \multicolumn{3}{|l|}{Complete 2 courses:} \\
\hline Upper Division Earth and Environmental Studies (EES) Major & 6 & C \\
\hline \multicolumn{3}{|l|}{Electives} \\
\hline Upper Division Elective & 3 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 792-107 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline GLG 327: Earth's Critical Zone & 3 & C \\
\hline Upper Division 4** (400 level) Earth and Environmental Studies (EES) Electives & 3 & C \\
\hline Upper Division Earth and Environmental Studies (EES) Major Electives & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Upper Division Elective OR GLG 484: Internship & 3 & \\
\hline Term hours subtota & 15 & \\
\hline
\end{tabular}
- Students are strongly encouraged to meet with SESE faculty advisors to discuss career options.
- Students are strongly encouraged to meet with SESE faculty advisors to discuss career options.
- Research employment opportunities.
- The list of approved major electives along with their pre-requisites may be viewed on the SESE website.
- Students should meet with an advisor to do a graduation check.
- If not already completed, students should meet with an advisor to do a graduation check.
- Students are strongly encouraged to meet with SESE faculty advisors to discuss career options.
- Explore an internship. In order to earn GLG 484 credits for an internship, students should work with their SESE advisor for approval.
- Apply for full-time career opportunities.
- The list of approved major electives along with their pre-requisites may be viewed on the SESE website.
\begin{tabular}{|c|c|c|}
\hline Term 8107-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline GLG 464: Solving Environmental Problems & 3 & C \\
\hline Upper Division 4** (400 level) Earth and Environmental Studies (EES) Electives & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline Elective & 1 & \\
\hline Term hours sub & 13 & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Approved BIO or PHY Course BIO 100: The Living World (SQ) BIO 182: General Biology II (SG) PHY 101: Introduction to Physics (SQ) PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)
Laboratory Science Major Electives
GLG 101: Introduction to Geology I
(Physical) (SQ) AND GLG 103: Introduction
to Geology I-Laboratory (SQ)

GLG 102: Introduction to Geology II (Historical) (SG \& H) AND GLG 104: Introduction to Geology II-Laboratory (SG)

GLG 108: Water Planet (SQ)
GLG 110: Dangerous World (SG \& G) AND
GLG 111: Dangerous World Laboratory (SG)
SES 106: Habitable Worlds (SQ)
SES 141: Energy In Everyday Life
- Students are strongly encouraged to meet with SESE faculty advisors to discuss career options.
- The list of approved major electives along with their pre-requisites may be viewed on the SESE website.

Upper Division 4** (400 level) Earth and Environmental Studies (EES) Electives

ABS 430: Watershed Management ABS 440: Ecological Restoration Techniques

ABS 479: Ecosystem Management and Planning (L)

ABS 485: GIS in Natural Resources
ABS 486: Introduction to Remote Sensing
CEE 400: Earth Systems Engineering and Management ((L or HU) \& H)

ERM 402: Unit Treatment Technologies ERM 406: Environmental Chemistry

ERM 426: Environmental Issues
ERM 428: International Environmental Management (G)

GIS 470: Advanced Statistics for Geography and Planning (CS)

GLG 424: Petrology
GLG 430: Paleontology
GLG 435: Sedimentology
GLG 441: Ore Deposits
GLG 470: Hydrogeology
GLG 481: Geochemistry
GPH 405: Energy and Environment
GPH 414: Climate Change (G)
JUS 444: Environment and Justice (L \& C)

SOS 414: Urban and Environmental Health (SB)

SOS 421: Landscape Ecology
SOS 424: Dynamic Modeling in Social and Ecological Systems

SOS 429: Human Impacts on Ecosystem Functioning

SOS 433: Sustainable Water Use
SOS 434: People and Nature: Ecosystem Services

SOS 441: Mathematical Concepts and Tools in Sustainability

STP 420: Introductory Applied Statistics (CS)

Upper Division Earth and Environmental Studies (EES) Electives

ABS 302: Ethical and Policy Issues in Biology
ABS 350: Applied Statistics (CS)
ABS 370: Ecology
ABS 430: Watershed Management

ABS 440: Ecological Restoration Techniques

ABS 479: Ecosystem Management and Planning (L)

ABS 485: GIS in Natural Resources

ABS 486: Introduction to Remote Sensing

ASB 326: Human Impacts on Ancient Environments (SB \& H)

BIO 311: Biology and Society

BIO 324: Environmental Ethics (HU)

CEE 400: Earth Systems Engineering and Management ((L or HU) \& H)

ENG 371: Rhetoric of the Environmental Movement

ERM 302: Water and Wastewater Treatment Technology

ERM 402: Unit Treatment Technologies
ERM 406: Environmental Chemistry
ERM 426: Environmental Issues
ERM 428: International Environmental Management (G) FIS 334: Science, Technology and Inequality (C)

GCU 364: Energy in the Global Arena (SB \& G)

GIS 341: Introduction to Cartography and Georepresentation (CS)

GIS 470: Advanced Statistics for Geography and Planning (CS)

GLG 301: Earth Science in Arizona and the Southwest

GLG 304: Minerals, Energy, and Society
GLG 310: Structural Geology
GLG 321: Mineralogy
GLG 424: Petrology
GLG 430: Paleontology
GLG 435: Sedimentology
GLG 441: Ore Deposits
GLG 470: Hydrogeology
GLG 481: Geochemistry
GPH 314: Global Change (HU \& G)

GPH 381: Geography of Natural Resources
(G)

GPH 405: Energy and Environment
GPH 414: Climate Change (G)
HST 345: Environmental History (L)
JUS 334: Science, Technology and Inequality
(C)

JUS 444: Environment and Justice (L \& C)

PHI 310: Environmental Ethics (HU)
POS 300: Contemporary Global Controversies (SB \& G)

PUP 301: Introduction to Urban Planning (L)

PUP 442: Environmental Planning
SOC 331: Environmental Sociology (SB \& G)
SOS 300: Advanced Concepts and Integrated Approaches in Sustainability

SOS 310: Equity, Justice and Sustainability
SOS 314: Basic Energy Science
SOS 315: Energy Policy
SOS 320: Society and Sustainability (L or SB)

SOS 321: Policy and Governance in
Sustainable Systems

SOS 323: Sustainable Urban Dynamics

SOS 324: Sustainable Energy Technology and Systems

SOS 325: The Economics of Sustainability

SOS 326: Sustainable Ecosystems

SOS 327: Sustainable Food and Farms

SOS 372: Earth Science in Arizona and the Southwest

SOS 373: Minerals, Energy, and Society
SOS 414: Urban and Environmental Health (SB)

SOS 429: Human Impacts on Ecosystem
Functioning

SOS 433: Sustainable Water Use
SOS 434: People and Nature: Ecosystem
Services
STP 420: Introductory Applied Statistics (CS)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Earth and Space Exploration, BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LASESBS
\begin{tabular}{|l|l|l|l|}
\hline Term 10-15 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course
- LIA 101 is mandatory for all incoming freshmen.
- Both Calculus for Engineers I, II and III (MAT 265/266/267) and Calculus with Analytic Geometry I, II and III (MAT 270/271/272) are acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors.
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-29 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline MAT 265: Calculus for Engineers I (MA) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- Both Calculus for Engineers I, II and III (MAT 265/266/267) and Calculus with Analytic Geometry I, II and III (MAT 270/271/272) are acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors. \\
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline CHM 114: General Chemistry for Engineers (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \begin{tabular}{l}
SES 122: History of the Earth and Solar System AND SES 124: \\
History of the Earth and Solar System Laboratory OR SES 126: \\
Exploration of the Universe AND SES 128: Exploration of the \\
Universe Lab \\
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). \\
Milestone: Complete SESE faculty mentoring.
\end{tabular} & 4 & C & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. MAT 266: Calculus for Engineers II (MA) & 3 & C & \multirow[t]{2}{*}{- Both Calculus for Engineers I, II and III (MAT 265/266/267) and Calculus with Analytic Geometry I, II and III (MAT} \\
\hline PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) & 4 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Literacy and Critical Inquiry (L) & 3 \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 \\
\hline Complete First-Year Composition requirement. & \\
\hline \multicolumn{2}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 16 \\
\hline
\end{tabular}

270/271/272) are acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors.
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.
- Develop your skills.
\begin{tabular}{|c|c|c|}
\hline Term 45-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4. MAT 267: Calculus for Engineers III (MA) & 3 & C \\
\hline PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) & 4 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline Elective & 3 & \\
\hline \multicolumn{3}{|l|}{¢. Milestone: Complete SESE faculty mentoring.} \\
\hline
\end{tabular}
- Both Calculus for Engineers I, II and III (MAT 265/266/267) and Calculus with Analytic Geometry I, II and III (MAT 270/271/272) are acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors.
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.
- To access requirements and the list of approved Science and Society courses, click here.
\begin{tabular}{|c|c|c|c|}
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SES 350: Engineering Systems and Experimental Problem Solving & 3 & C \\
\hline Upper Division SES Branch Course & 3 & C \\
\hline MAT 275: Modern Differential Equations (MA) & 3 & C \\
\hline SES OR GLG OR AST Upper Division Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Students need two upper division electives for the major ( 6 credits total). Electives may be chosen from the branch course list or students may take any other upper division GLG or SES or AST courses offered by the School of Earth and Space Exploration, excluding GLG 300 or GLG 400/SES 401.
- Students should meet with faculty advisor to discuss research opportunities.
\begin{tabular}{|c|c|c|}
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline Upper Division SES Branch Course & 3 & C \\
\hline SES OR GLG OR AST Upper Division Elective & 3 & C \\
\hline Upper Division CLAS Science and Society Elective & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Upper Division Elective OR AST 484: Internship OR GLG 484: Internship OR SES 499: Individualized Instruction & 3 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}

\section*{Notes}
- Students need two upper division electives for the major ( 6 credits total). Electives may be chosen from the branch course list or students may take any other upper division GLG or SES or AST courses offered by the School of Earth and Space Exploration, excluding GLG 300 or GLG 400/SES 401.
- Students interested in completing an internship should work with their SESE advisor.
- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way.
- To access the requirements and the list of approved courses for Science and Society, click here.
- Students should meet with an advisor to do a graduation check.
- Research employment opportunities.
\begin{tabular}{|c|c|c|c|}
\hline Term 791-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SES 410: Senior Exploration Project I & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way. \\
- If not already completed, students should meet with an advisor to do a graduation check. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline W Upper Division SES Branch Course & 3 & C & \\
\hline SES 401: Earth and Space Exploration Colloquium & 1 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 8 107-120 Credit Hours Necessary course signified by & & Minimum Grade & Notes \\
\hline SES 411: Senior Exploration Project II & & C & \\
\hline W Upper Division SES Branch Course & & C & \\
\hline \multicolumn{3}{|l|}{Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)} & \\
\hline Upper Division Elective & \multicolumn{2}{|c|}{2} & \\
\hline Elective & \multicolumn{2}{|c|}{2} & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 13} \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
SES Branch Courses
AST 321: Introduction to Planetary and Stellar
Astrophysics (SQ)
AST 322: Introduction to Galactic and
Extragalactic Astrophysics (SQ)
GLG 310: Structural Geology
GLG 321: Mineralogy
GLG 418: Geophysics
GLG 424: Petrology
GLG 471: Hydrology
GLG 481: Geochemistry

GLG 490: Remote Sensing
SES 311: Essentials of Astrobiology:
Exploration for Life in the Universe

SES 330: Practical Electronics and
Instrumentation

SES 405: Exploration Systems Engineering

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Earth and Space Exploration (Astrobiology and Biogeosciences), BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LASESABBS
\begin{tabular}{|l|l|l|l|}
\hline Term 10-14 Credit Hours Critical course signified by \\
(7) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Mathematics (MA) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ) & 4 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & \\
\hline Term hours subtotal & 14 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course
- LIA 101 is mandatory for all incoming freshmen.
- Both Calculus for Engineers I, II and III (MAT 265/266/267) and Calculus with Analytic Geometry I, II and III (MAT 270/271/272) are acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors.
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-28 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) CHM 113: General Chemistry I (SQ) & 4 & C & \multirow[b]{3}{*}{- Both Calculus for Engineers I, II and III (MAT 265/266/267) and Calculus with Analytic Geometry I, II and III (MAT 270/271/272) are acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors.} \\
\hline 4. MAT 265: Calculus for Engineers I (MA) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab & 4 & C & - SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students \\
\hline \multicolumn{3}{|l|}{4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & can find their faculty mentor on the SESE \\
\hline \multicolumn{3}{|l|}{(4) Milestone: Complete SESE faculty mentoring.} & - Join a student club or professional \\
\hline Ter & 14 & & organization. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 3-42 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline (1) CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline (1) MAT 266: Calculus for Engineers II (MA) & 3 & C \\
\hline BIO 181: General Biology I (SQ) & 4 & C \\
\hline SES 130: Coding for Exploration & 3 & C \\
\hline
\end{tabular}

\section*{Notes}
- Both Calculus for Engineers I, II and III (MAT 265/266/267) and Calculus with Analytic Geometry I, II and III (MAT 270/271/272) are

Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Term hours subtotal:
14
\begin{tabular}{|c|c|c|}
\hline Term 442-58 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 1. MAT 267: Calculus for Engineers III (MA) & 3 & C \\
\hline BIO 182: General Biology II (SG) & 4 & C \\
\hline GLG 321: Mineralogy & 3 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline 4 Milestone: Complete SESE faculty mentoring. & & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}

Term hours subtotal: 16
acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors.
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.
- Develop your skills.
Term 55 - 74 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|}
\hline Upper Division Astrobiology \& Biogeosciences Major Electives & 3 & C \\
\hline Upper Division CLAS Science and Society Elective & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Upper Division Elective OR AST 484: Internship OR GLG 484: Internship OR SES 499: Individualized Instruction & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Explore an internship. In order to earn credits for an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students can talk to faculty mentors about how to find research opportunities.
- Apply for full-time career opportunities.
- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.
- If not already completed, students should meet with an advisor to do a graduation check.
- To access the requirements and the list of approved courses for Science and Society, click here.
Term 8 105-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.
Hide Course List(s)/Track Group(s)
Astrobiology \& Biogeosciences Major
Electives
AST 321: Introduction to Planetary and Stellar
Astrophysics (SQ)
BIO 320: Fundamentals of Ecology
BIO 340: General Genetics
BIO 345: Organic Evolution
GLG 404: Fundamentals of Planetary Geology
GLG 430: Paleontology
GLG 435: Sedimentology
GLG 460: Astrobiology
GLG 461: Geomicrobiology
GLG 485: Meteorites and Cosmochemistry

GLG 489: Field Geochemistry (L)
GLG 490: Remote Sensing
SES 350: Engineering Systems and
Experimental Problem Solving

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Earth and Space Exploration (Astrophysics), BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LASESABS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C & \multirow[b]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- LIA 101 is mandatory for all incoming freshmen. \\
- Students in the astrophysics concentration should take Calculus with Analytic Geometry I, II and III (MAT 270/271/272) but SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267) as an alternative. \\
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline \begin{tabular}{l}
SES 121: Earth, Solar System and Universe (SQ) AND SES 123: \\
Earth, Solar System and Universe Laboratory (SQ)
\end{tabular} & 4 & C & \\
\hline SES 191: Exploring SESE & 1 & C & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4. MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C & \multirow[t]{3}{*}{- Students in the astrophysics concentration should take Calculus with Analytic Geometry I, II and III (MAT 270/271/272) but SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267)} \\
\hline (1. PHY 150: Physics I (SQ) & 4 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab & 4 & C & - Students in the astrophysics concentration should take PHY 150 and PHY 151 but SESE will accept PHY 121/122 and PHY 131/132 as alternatives. \\
\hline \begin{tabular}{l}
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). \\
Milestone: Complete SESE faculty mentoring.
\end{tabular} & & " & - SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website. \\
- Join a student club or professional organization.
\end{tabular} \\
\hline
\end{tabular}
Term 3 31-45 Credit Hours Critical course signified by 4. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
SES 130: Coding for Exploration
3
C

\section*{Elective} 3

Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Term hours subtotal:
14

II and III (MAT 270/271/272) but SESE will accept Calculus for Engineers I, II and III (MAT 265/266/267) as an alternative.
- Students in the astrophysics concentration should take PHY 150 and PHY 151 but SESE will accept PHY 121/122 and PHY 131/132 as alternatives.
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.
- Develop your skills.
\begin{tabular}{|c|c|c|c|}
\hline Term 4-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline 1 PHY 201: Mathematical Methods in Physics I (CS) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- To access the requirements and the list of approved courses for Science and Society, click here. \\
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.
\end{tabular}} \\
\hline (1) PHY 252: Physics III (SQ) & 4 & C & \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Milestone: Complete SESE faculty mentoring. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 2 AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) & 3 & C & \multirow[t]{4}{*}{- Students should meet with faculty to discuss research opportunities} \\
\hline MAT 275: Modern Differential Equations (MA) & 3 & C & \\
\hline PHY 314: Quantum Physics I & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtota & 15 & & \\
\hline
\end{tabular}
Term 676 - 91 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c|c|c} 
Minimum \\
Grade & Notes \\
\hline
\end{tabular}

- The suggested list of electives are highly recommended but not required. Students who plan to take the physics GRE are encouraged to choose electives from the PHY options. There is also the option to choose an elective in other GLG, AST, SES, PHY or MAT areas as long as the subject is relevant to Astrophysics and the course is upper division. Students should consult with a SESE advisor if they have questions about which courses would satisfy this requirement.
- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty for input along the way.
- Students should meet with an advisor to do a graduation check.
- Research employment opportunities.
Term 7 91 - 106 Credit Hours Necessary course signified by
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
Upper Division Astrophysics major elective
GLG 404: Fundamentals of Planetary Geology
GLG OR AST OR SES OR PHY OR MAT
Upper Division Elective

PHY 302: Mathematical Methods in Physics II
PHY 310: Classical Particles, Fields, and Matter I

PHY 311: Classical Particles, Fields, and Matter II

PHY 312: Mechanics and Electromagnetism

PHY 315: Quantum Physics II

PHY 361: Introductory Modern Physics

PHY 441: Statistical and Thermal Physics
SES 311: Essentials of Astrobiology:
Exploration for Life in the Universe
SES 350: Engineering Systems and
Experimental Problem Solving

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Earth and Space Exploration (Exploration Systems Design), BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LASESESDBS
\begin{tabular}{|l|l|l|l|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline MAT 265: Calculus for Engineers I (MA) & 3 & C \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline SES 100: Introduction to Exploration (CS) & 3 & C \\
\hline SES 121: Earth, Solar System and Universe (SQ) AND SES 123: Earth, Solar System and Universe Laboratory (SQ) & 4 & C \\
\hline SES 191: Exploring SESE & 1 & C \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course
- LIA 101 is mandatory for all incoming freshmen.
- Both Calculus for Engineers I, II and III (MAT 265/266/267) and Calculus with Analytic Geometry I, II and III (MAT 270/271/272) are acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors.
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline MAT 266: Calculus for Engineers II (MA) & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- Both Calculus for Engineers I, II and III (MAT 265/266/267) and Calculus with Analytic Geometry I, II and III (MAT 270/271/272) are acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors. \\
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) & 4 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline SES 122: History of the Earth and Solar System AND SES 124: History of the Earth and Solar System Laboratory OR SES 126: Exploration of the Universe AND SES 128: Exploration of the Universe Lab & 4 & C & \\
\hline Elective & 1 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline \multicolumn{3}{|l|}{4 Milestone: Complete SESE faculty mentoring.} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3 30-46 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline  & 3 & C & \multirow[t]{2}{*}{- Both Calculus for Engineers I, II and III (MAT 265/266/267) and Calculus with} \\
\hline 4. MAT 275: Modern Differential Equations (MA) & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) & 4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
270/271/272) are acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors. \\
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website. \\
- Develop your skills.
\end{tabular}} \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline (4) Complete First-Year Composition requirement. & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 446-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) EEE 202: Circuits I & 4 & C & \multirow{6}{*}{- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.} \\
\hline (1) MAE 201: Mechanics of Particles and Rigid Bodies I: Statics & 3 & C & \\
\hline CHM 114: General Chemistry for Engineers (SQ) & 4 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline \multicolumn{3}{|l|}{(4) Milestone: Complete SESE faculty mentoring.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline T SES 330: Practical Electronics and Instrumentation & 4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Students should start meeting with faculty advisor to discuss research opportunities. \\
- To access the requirements and the list of approved courses for Science and Society, click here.
\end{tabular}} \\
\hline SES 350: Engineering Systems and Experimental Problem Solving & 3 & C & \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \$ SES 405: Exploration Systems Engineering & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Students interested in graduate school should be researching programs and preparing application materials. Continue to meet with faculty advisor for input along the way. \\
- Students should meet with an advisor to do a graduation check. \\
- To access the requirements and the list of approved courses for Science and Society, click here.
\end{tabular}} \\
\hline Upper Division Exploration Systems Design Concentration Elective & 3 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global \\
Awareness (G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 791-106 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SES 410: Senior Exploration Project I & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Explore an internship. In order to earn credits for an internship, students should work with their SESE advisor for approval. Students who hope to go to graduate school should consider getting involved in research. Students can talk to faculty mentors about how to find research opportunities. \\
- Continue to meet with faculty advisor for
\end{tabular}} \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Upper Division Elective OR AST 484: Internship OR GLG 484: Internship OR SES 499: Individualized Instruction & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
- Students interested in graduate school should be researching programs and preparing application materials.
- If not already completed, students should meet with an advisor to do a graduation check.
\begin{tabular}{|c|c|c|c|}
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SES 411: Senior Exploration Project II & 3 & C & \\
\hline Complete 3 courses: Upper Division Elective & \multicolumn{2}{|l|}{8} & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
Exploration Systems Design Concentration Elective

AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)

AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)

GLG 321: Mineralogy
GLG 404: Fundamentals of Planetary Geology
GLG 424: Petrology
GLG 471: Hydrology
SES 311: Essentials of Astrobiology:
Exploration for Life in the Universe

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Earth and Space Exploration (Geological Sciences), BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LASESGSBS
\begin{tabular}{|l|l|l|l|}
\hline Term 10-15 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Mathematics (MA) & 3 & C \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline \multicolumn{3}{|l|}{ENG 107 or ENG 108: First-Year Composition} \\
\hline LIA 101: Student Success in the College of Liberal Arts and & 1 & \\
\hline \multicolumn{3}{|l|}{Sciences 1} \\
\hline SES 121: Earth, Solar System and Universe (SQ) AND SES 123: & 4 & C \\
\hline \multicolumn{3}{|l|}{Earth, Solar System and Universe Laboratory (SQ)} \\
\hline SES 191: Exploring SESE & 1 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & \\
\hline Term hours subtota & 15 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course
- LIA 101 is mandatory for all incoming freshmen.
- Both Calculus for Engineers I, II and III (MAT 265/266/267) and Calculus with Analytic Geometry I, II and III (MAT 270/271/272) are acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors.
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.
- Select your career interest area and play me3@ASU.
Term 2 15-29 Credit Hours Critical course signified by 1.
\begin{tabular}{|c|c|}
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 \\
\hline Elective & 3 \\
\hline Complete First-Year Composition requirement. & \\
\hline Complete Mathematics (MA) requirement. & \\
\hline Term hours subtotal: & 16 \\
\hline
\end{tabular}
acceptable sequences for satisfying the calculus requirements in all Earth and Space Exploration majors.
- SESE requires freshmen and sophomores to seek faculty mentoring at least once during the academic year. Each student will be assigned a SESE faculty mentor. Students can find their faculty mentor on the SESE advising website.
- Develop your skills.
\begin{tabular}{|c|c|c|}
\hline Term 45-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline MAT 267: Calculus for Engineers III (MA) & 3 & C \\
\hline PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) & 4 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline Elective & 3 & \\
\hline 1. Milestone: Complete SESE faculty mentoring. & & \\
\hline
\end{tabular}
Summer 690 - 93 Credit Hours Necessary course signified by
Term 8 108-120 Credit Hours Necessary course signified by Hours \begin{tabular}{l} 
Minimum \\
Grade
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
GLG Branch Courses
GLG 362: Geomorphology
GLG 418: Geophysics

GLG 424: Petrology
GLG 430: Paleontology
GLG 435: Sedimentology
GLG 471: Hydrology
GLG 481: Geochemistry

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Economics, BS}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAECNBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) Mathematics (MA) & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- LIA 101 is required of all freshman students. \\
- Students can choose to complete Humanities (HU) and Historical Awareness (H) separately. \\
- Students placing into MAT 210 or MAT 270 should take one of those courses in term 1. If not, students should select a prerequisite course. Students should not take MAT 142 \\
- Students considering graduate work in economics should choose MAT 270 or prerequisite course.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 216-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 210: \\
Brief Calculus (MA)
\end{tabular} & 3-4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Students considering graduate work in economics should select MAT 270 instead of MAT 210. \\
- Select your career interest area and play the game me3@ASU
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 4 & & \\
\hline \multicolumn{3}{|l|}{(4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 14-15 & & \\
\hline Term 330-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and ECN 212 must complete ECN 213 and ECN 214 by the end of term 4. \\
- Students considering graduate work in
\end{tabular}} \\
\hline MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 211: Mathematics for Business Analysis & 3-4 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & economics should select MAT 271 instead of MAT 211. \\
\hline Elective & 2 & & have prerequisites that can be completed as \\
\hline \multicolumn{3}{|l|}{(1) Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \multirow[t]{2}{*}{- Visit the Career and Professional Development Center to identify networking opportunities and to seek career planning assistance.} \\
\hline Term hours subtotal: & 15-16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1. ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and ECN 212 must complete ECN 213 and ECN 214 by the end of term 4. \\
- Students can choose to satisfy Humanities (HU) and Cultural Diversity in the U.S. (C) requirements separately. \\
- Attend career related workshops and meet with a career counselor to discuss professional goals.
\end{tabular}} \\
\hline ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS) & 3 & C & \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECN 312: Intermediate Microeconomic Theory (SB) & 3 & C & \multirow{6}{*}{- Students with credit for ECN 214 should not take ECN 312. Replace that course with an additional ECN upper-division elective (SB).} \\
\hline ECN Upper Division Elective & 3 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Related Area Course & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W ECN 313: Intermediate Macroeconomic Theory (SB) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Students with credit for ECN 213 should not take ECN 313. Replace that course with an additional ECN upper-division elective. \\
- Complete an internship to develop job-related skills and connections. \\
- Use Handshake to research employment opportunities
\end{tabular}} \\
\hline ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics & 3 & C & \\
\hline Related Area Course & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15
\(\begin{array}{l}\text { Term } 790 \text { - } 105 \text { Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- Students must earn a C or better in all related area courses. Many upper division related area courses have prerequisites that can be completed as electives.

All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

SOC 321: Sociology of Work (SB)
SOC 324: Work and the Workplace (SB \& H)
SOC 328: Migration and Culture (SB \& G)
SOC 331: Environmental Sociology (SB \& G)
SOC 333: Population (SB \& G)
SOC 339: Grassroots Social Movements (SB)
SOC 342: Mexico-U.S. Borderlands (SB \& C)
SOC 350: Inequality and Diversity in
Education (L \& C)
SOC 352: Social Change (SB \& G \& H)
SOC 4** Elective
SOS Upper Division Elective
STP Upper Division Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Economics, BS}

School/College: College of Liberal Arts and Sciences.
Location: Online
LAECNBS
\begin{tabular}{|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] \\
\hline 1. Mathematics (MA) & 3 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline
\end{tabular}

Term hours subtotal: 7
- Mathematics Placement Assessment score determines placement in mathematics course.
- Students placing into MAT 210 should take this course in Term 1-A. If not, students should select a prerequisite course. Students should not take MAT 142.
- SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- ASU 101 or college-specific equivalent First-Year Seminar is required of all freshmen students.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7 -13 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \multirow[b]{4}{*}{\begin{tabular}{l}
- View ASU Online first-time freshman registration information here. \\
- Students may choose to complete Humanities (HU) and Historical Awareness requirements separately. \\
- Many upper division related area courses have prerequisites that can be completed as electives in earlier terms. \\
- Select your career interest area and play me@ASU.
\end{tabular}} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline & & & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1. MAT 210: Brief Calculus (MA) & 3 & C & \multirow[t]{3}{*}{- Review the Career Guide for ASU Online Students to learn about available career planning resources.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-B 19-26 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
Natural Science - Quantitative (SQ)
4
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal: \(\quad 7\)
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 26-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Many upper division related area courses have prerequisites that can be completed as electives in earlier terms. \\
- Register for a Handshake account and participate in virtual career advising.
\end{tabular}} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-B 32-38 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. MAT 211: Mathematics for Business Analysis & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{4 Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-A 38-44 Credit Hours Critical course signified by \({ }^{(\%)}\) & Hours & Minimum Grade & Notes \\
\hline (1. ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Many upper division related area courses have prerequisites that can be completed as electives in earlier terms. \\
- Create a first-draft resume.
\end{tabular}} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 44-50 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS) & 3 & C & - Develop your professional online presence. \\
\hline Global Awareness (G) & 3 & & - Network in your career interest area. \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-A 50-57 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-B 57-63 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ECN 312: Intermediate Microeconomic Theory (SB) \\
Literacy and Critical Inquiry (L)
\end{tabular} & \[
\begin{gathered}
3 \\
\cdots \\
3
\end{gathered}
\] & C & - View career webinars offered by Career and Professional Development Center. \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECN Upper Division Elective & 3 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-B 57-63 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ECN 312: Intermediate Microeconomic Theory (SB) \\
Literacy and Critical Inquiry (L)
\end{tabular} & \[
\begin{gathered}
3 \\
\cdots \\
3
\end{gathered}
\] & C & - View career webinars offered by Career and Professional Development Center. \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECN Upper Division Elective & 3 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-B 57-63 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ECN 312: Intermediate Microeconomic Theory (SB) \\
Literacy and Critical Inquiry (L)
\end{tabular} & \[
\begin{gathered}
3 \\
\cdots \\
3
\end{gathered}
\] & C & - View career webinars offered by Career and Professional Development Center. \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECN Upper Division Elective & 3 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline
\end{tabular}

Humanities, Arts and Design (HU) AND Cultural Diversity in the
U.S. (C)
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

- Humanities and Cultural Diversity in the U.S. requirements may be completed separately.

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).
\[
\text { Term hours subtotal: } 6
\]
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECN 313: Intermediate Macroeconomic Theory (SB) & 3 & C & \multirow[t]{3}{*}{- Gather professional references.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 81-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECN 410: Applied Regression Analysis and Forecasting & 3 & C & \multirow[t]{3}{*}{- Expand, refine and polish your resume.} \\
\hline Related Area Course & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline E ECN 4** Elective & 3 & C & - Explore an internship. \\
\hline Upper Division Elective & 3 & & - Complete a virtual practice interview. \\
\hline
\end{tabular}
Term 8-B 93-99 Credit Hours \(\quad\) Hours \(\left.\begin{array}{c|c|c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|}
\hline Related Area Course & 3 & C \\
\hline Upper Division Elective & 3 & \\
\hline & 6 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECN 4** Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtota & 6 & & \\
\hline
\end{tabular}
Term 9-B 105-111 Credit Hours \(\quad\) Hours \begin{tabular}{c|c|c|}
\hline Minimum \\
Grade
\end{tabular}
ECN Upper Division Elective \(\quad 3 \quad\) C

Upper Division Elective
Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ECN 475: Capstone in Economics (L) & 3 & C & \multirow[t]{3}{*}{- Apply for full-time career opportunities.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Students must earn a C or better in all related area courses. Many upper division related area courses have prerequisites that can be completed as electives.

All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Economics (Politics and the Economy), BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAECNPECBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline 4. Mathematics (MA) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- LIA 101 is required of all freshman students. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- Students placing into MAT 210 or MAT 270 should take one of those courses in term 1. If not, students should select a prerequisite course. Students should not take MAT 142. \\
- Students considering graduate work in economics should choose MAT 270 or prerequisite course. \\
- Students can choose to complete Humanities (HU) and Historical Awareness (H) separately.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 216-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 210: Brief Calculus (MA) & 3-4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Students considering graduate work in economics should select MAT 270 instead of MAT 210. \\
- Select your career interest area and play the game me3@ASU.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 4 & & \\
\hline \multicolumn{3}{|l|}{(4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 14-15 & & \\
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and ECN 212 must complete ECN 213 and ECN 214 by the end of term 4. \\
- Students considering graduate work in economics should select MAT 271 instead of MAT 211. \\
- Visit the Career and Professional Development Center to identify networking opportunities and to seek career planning assistance.
\end{tabular}} \\
\hline MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 211: Mathematics for Business Analysis & 3-4 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Elective & 2 & & \\
\hline \multicolumn{3}{|l|}{(4) Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 15-16 & & \\
\hline & & Minimum & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-20} & 3425 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Grade & Notes \\
\hline 4. ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & C & - Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and ECN \\
\hline ECN 221: Business Statistics (CS) OR STP 226: Elements of Statistics (CS) & 3 & C & 212 must complete ECN 213 and ECN 214 by the end of term 4. \\
\hline CLAS Science and Society Elective & 3 & C & - Students can choose to satisfy Humanities \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & (HU) and Cultural Diversity in the U.S. (C) requirements separately. \\
\hline Global Awareness (G) & 3 & & Awareness (G) with a concentration elective \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
or ECN upper-division course. \\
- Attend career related workshops and meet with a career counselor.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- Students with credit for ECN 214 should not take ECN 312. Replace that course with an additional ECN upper-division elective (SB).
- Join Handshake and research career and internship opportunities.

Elective 3
Term hours subtotal: 15
\(\begin{array}{l}\text { Term } 6 \text { 75-90 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{c} 
Notes
\end{tabular}Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECN 441: Public Economics (SB) OR ECN 453: Industrial Organization and Competition Policy & 3 & C & \multirow[t]{6}{*}{- Attend a career or graduate education fair.} \\
\hline ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics & 3 & C & \\
\hline Concentration Elective & 3 & C & \\
\hline Upper Division Elective OR LIA 484: Internship OR ECN 484: Internship & \multicolumn{2}{|l|}{3} & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECN 475: Capstone in Economics (L) & 3 & C & - Finalize future educational or career plans. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ECN 345: Survey of Environmental and Resource Economics OR ECN & 3 & C \\
\hline \multicolumn{3}{|l|}{355: Economics of Healthcare OR ECN 445: Environmental Economics} \\
\hline \multicolumn{3}{|l|}{OR ECN 455: Health Economics} \\
\hline POS 348: Do You Want to Build a Nation? (L) & 3 & C \\
\hline Upper Division Elective & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Complete a minimum of three concentration electives. Concentration areas include U.S. Government, Politics, and Law. Select three courses from one area or select two from one area and a third from a different area.

U.S. Government Concentration Electives

POS 110: American Government and Politics (SB) or POS 310: American National Government (SB)

POS 216: State and Local Government (SB) POS 230: Current Issues in National Politics ( L or SB )

POS 270: American Legal System (SB) POS 313: The Congress (SB) POS 314: The American Presidency (SB) POS 315: The Supreme Court (SB) POS 410: Governing American Cities (SB)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/advising-and-academic-services/science-and-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

English, BA
School/College: College of Liberal Arts and Sciences
Location: Online
LAENGBA

Fast Track Option: 3 Year

A student must speak with an advisor in order to be added to a fast track plan.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
ASU 101-UC: The ASU Experience
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)
\(3 \quad \mathrm{C}\)
C 1

3
7
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Math Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific equivalent First Year Seminar is required for all freshman students.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by \({ }^{\dagger}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & & placement exam, regardless of prior credit \\
\hline Term hours subtotal: & 6 & & \begin{tabular}{l}
earned. \\
- View ASU Online first-time freshmen registration information here. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 13-20 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. MAT 142: College Mathematics (MA) & 3 & C & \multirow[t]{4}{*}{- Join a student club or professional organization} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-B 20-28 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Natural Science - Quantitative (SQ) 4
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.

Complete First-Year Composition requirement.
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 28-35 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Grade & Notes \\
\hline ENG 200: Critical Reading and Writing About Literature (L or HU) & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 35-42 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG Elective & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 42-49 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG Elective & 3 & C & Explore an internship \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & Explore an internsiop \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-B 49-55 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG Elective & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-A 55-61 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ENG Elective & 3 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 61-67 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ENG Upper Division Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 67-73 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% ENG course (HU) & 3 & C & - Research employment opportunities \\
\hline ENG Upper Division Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 73-79 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ENG course (HU) & 3 & C & \\
\hline ENG Upper Division Elective & 3 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline
\end{tabular}

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 79-85 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 85-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
ENG Upper Division Elective
\end{tabular} & 6 & C & - Apply for full-time career opportunities \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 91-97 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division ENG course (L) & 3 & C & \\
\hline Upper Division Elective & 3 &  & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 97-103 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG Upper Division Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 103-109 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline EN ENG Upper Division Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 109-115 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses.}
\(\qquad\)

\begin{tabular}{|c|c|c|c|}
\hline Term 10-A 115-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences
Location: Tempe campus

\section*{LAENGCBA}
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU.


\begin{tabular}{|c|c|c|}
\hline ENG Upper Division Elective & 3 & C \\
\hline Complete 2 courses: & \multirow[b]{2}{*}{6} & \\
\hline Upper Division Elective & & \\
\hline Elective & 3 & \\
\hline Minimum 3.25 GPA in ENG. & & \\
\hline & 15 & \\
\hline
\end{tabular}

\section*{Hide Course List(s)/Track Group(s)
American Literature at \(2 * *\) level and above}

ENG 241: Literatures of the United States to 1860 ((L or HU) \& C)

ENG 242: Literatures of the United States, 1860 to Present (HU)

ENG 333: American Ethnic Literature ((L or HU) \& C)

ENG 335: American Poetry

ENG 337: Major American Novels (L or HU)
ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) \& C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) \& C)

ENG 359: Indigenous American Literature ((L or HU\() \& \mathrm{C}\) )

ENG 360: Western American Literature (L or HU)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C)

ENG 434: Studies in the Literature and Culture of the Americas ( \(\mathrm{HU} \& \mathrm{C}\) )

ENG 440: Studies in American Literature and Culture (HU)

ENG 444: Studies in American Romanticism (HU)

ENG 445: Studies in American Realism (L or HU)

ENG 457: Studies in American Poetry (HU)

\section*{300 Level Literary Study Course}

ENG 303: Classical Backgrounds of English Literature (HU)

ENG 315: Medieval Literature in Translation (HU)

ENG 321: Shakespeare (L or HU)
ENG 325: Restoration and the 18th Century
ENG 326: English Drama 1660-1800 (HU)
ENG 328: The Novel to Jane Austen (HU \& H)

ENG 329: 19th-Century British Fiction (L or HU)

ENG 330: 19th-Century British Poetry
ENG 333: American Ethnic Literature ((L or HU) \& C)

ENG 335: American Poetry , Modernist Poetry, Slam Poetry

ENG 338: Protest Literature

ENG 342: 20th-Century British and Irish Literature (HU)

ENG 345: American Losers , Noir Fiction and Film , Prison Literature

ENG 352: Short Story (L or HU)
ENG 353: African American Literature:
Beginnings through the Harlem Renaissance ((L or HU) \& C)

ENG 354: African American Literature:
Harlem Renaissance to the Present ((L or HU) \& C)

ENG 355: European Dramatic Traditions (L or \(\mathrm{HU})\)

ENG 356: The Bible as Literature (HU)

ENG 359: Indigenous American Literature ((L or HU) \& C)
- 3.25 GPA in English courses beyond first-year composition courses required.

\section*{400 Level Literary Study Course}

ENG 400: History of Literary Criticism (L or HU ), History of Critical Theory (L or HU)

ENG 401: Topics in Critical Theory
ENG 415: Studies in Medieval Literature and Culture (HU)

ENG 416: Chaucer in Middle English (HU)
ENG 418: Renaissance Literature (L or HU), Love, Lust and Desire in Renaissance England (L or HU)

ENG 421: Studies in Shakespeare (L or HU)

ENG 422: Special Topics in Shakespeare (HU)

ENG 423: Renaissance Drama (L or HU)

ENG 424: Milton (HU)
ENG 425: Studies in Romanticism (HU)

ENG 426: British Culture and Empire , Self, Other and Monster at the Fin de Siecle

ENG 427: Studies in 18th-Century Literature and Culture (HU)

ENG 429: Politics \& Culture in European Short Fiction ((L or HU) \& G \& H)

ENG 430: Studies in Victorian Literature and Culture (L or HU), Darwin (L or HU), Unwholesome Victorian Literature (L or HU)

ENG 434: Spies and Hackers (HU \& C)
ENG 435: Literatures and Cultures of Immigration and Diaspora

ENG 436: Studies in Anglophone Literature and Culture, Carnivores, Cannibals, and Consumerism , Postcolonial Studies, Writing \& Rewriting Empire (and Its Aftermath)

ENG 437: The American Novel, 1900-1960 (L or HU)

ENG 360: Western American Literature (L or HU)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C)

ENG 364: Jane Austen (HU)

ENG 369: Science Fiction Studies, Intro to Science Fiction, Red Mirror: The Literature of Mars

ENG 400: History of Literary Criticism (L or \(\mathrm{HU})\)

\section*{ENG 401: Topics in Critical Theory}

ENG 415: Studies in Medieval Literature and Culture (HU)

ENG 416: Chaucer in Middle English (HU)
ENG 418: Renaissance Literature (L or HU),
Love, Lust and Desire in Renaissance England (L or HU)

ENG 421: Studies in Shakespeare (L or HU)
ENG 422: Special Topics in Shakespeare (HU)

ENG 423: Renaissance Drama (L or HU)
ENG 424: Milton (HU)
ENG 425: Studies in Romanticism (HU)
ENG 426: British Culture and Empire, Self, Other and Monster at the Fin de Siecle

ENG 427: Studies in 18th-Century Literature and Culture (HU)

ENG 429: Politics \& Culture in European Short Fiction ((L or HU) \& G \& H)

ENG 430: Studies in Victorian Literature and Culture (L or HU), Darwin (L or HU),
Unwholesome Victorian Literature (L or HU)
ENG 434: Spies and Hackers (HU \& C)
ENG 435: Literatures and Cultures of Immigration and Diaspora

ENG 436: Studies in Anglophone Literature and Culture, Carnivores, Cannibals, and Consumerism , Postcolonial Studies, Writing \& Rewriting Empire (and Its Aftermath)

ENG 437: The American Novel, 1900-1960 (L or HU)

ENG 440: Studies in American Literature and Culture (HU), Sexuality (HU)

ENG 440: Studies in American Literature and Culture (HU), Sexuality (HU)

ENG 442: Studies in 20th-Century British and Irish Literature and Culture

ENG 444: Studies in American Romanticism (HU)

ENG 445: Studies in American Realism (L or HU)

ENG 447: Experimental Narrative

ENG 448: Studies in Irish Literature and Culture (HU)

ENG 452: Studies in the Novel (HU)

ENG 453: Studies in the American Novel (HU)

ENG 455: Contemporary Women Writers

ENG 457: Studies in American Poetry (HU) ENG 458: Latina/o Literature ((L or HU) \& C)

ENG 459: Studies in African American/Caribbean Literatures ((L or HU) \& G)

ENG 461: Studies in Women and Literature (HU)

ENG 465: Studies in Film
ENG 469: Science and Literature (L or HU)
ENG 470: Symbols and Archetypes in Children's Literature (L or HU)

ENG 471: Literature for Young Adults (HU)
ENG 476: Studies in Folklore ((L or HU or \(\mathrm{SB}) \& \mathrm{C})\), The Legend \(((\mathrm{L}\) or HU or SB\() \& \mathrm{C})\) ENG 478: Studies in Modernism (L or HU)

ENG 479: Studies in Postmodernism (HU \&
G), Postmodernism (HU \& G)

ENG 442: Studies in 20th-Century British and Irish Literature and Culture

ENG 444: Studies in American Romanticism (HU)

ENG 445: Studies in American Realism (L or HU)

ENG 447: Experimental Narrative
ENG 448: Studies in Irish Literature and Culture (HU)

ENG 452: Studies in the Novel (HU)

ENG 453: Studies in the American Novel (HU)

ENG 455: Contemporary Women Writers
ENG 457: Studies in American Poetry (HU)

ENG 458: Latina/o Literature ((L or HU) \& C)

ENG 459: Studies in African
American/Caribbean Literatures ((L or HU) \& G)

ENG 461: Native American Literature (HU)

ENG 465: Studies in Film

ENG 469: Science and Literature (L or HU)

ENG 470: Symbols and Archetypes in
Children's Literature (L or HU)

ENG 471: Literature for Young Adults (HU)

ENG 476: Studies in Folklore ((L or HU or SB) \& C), The Legend ((L or HU or SB) \& C)

ENG 478: Studies in Modernism (L or HU)

ENG 479: Studies in Postmodernism (HU \&
G), Postmodernism (HU \& G)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.25 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

English (Linguistics), BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAENGNBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Join a student club or professional organization. \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Maintain 2.00 GPA in Major Courses. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 213: Introduction to the Study of Language OR SLC 201: Introduction to Linguistics (HU or SB)

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.

Natural Science - Quantitative (SQ)
4
- Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.
- Join a student club or professional organization

\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Elective 6} & \\
\hline \multicolumn{3}{|l|}{Maintain 2.00 GPA in Major Courses.} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics & 3 & C & \multirow[t]{3}{*}{- A minimum of 18 upper division hours is required in the major, 12 of which must be taken in courses offered by the College of Liberal Arts and Sciences.} \\
\hline Complete 3 courses: Upper Division Elective & 9 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.00 GPA in Major Courses.} & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

English (Literature), BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAENGTBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU.


ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
Computer/Statistics/Quantitative Applications (CS) ..... 3
Global Awareness (G) ..... 3
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.00 GPA in Major Courses.

Term hours subtotal: 16
\begin{tabular}{|c|c|c|}
\hline Term 3 30-44 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 4. ENG 200: Critical Reading and Writing About Literature (L or HU) & 3 & C \\
\hline ENG Elective & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{3}{|l|}{Complete First-Year Composition requirement.} \\
\hline Maintain 2.00 GPA in Major Courses. & & \\
\hline
\end{tabular}

\(\left.\begin{array}{l}\text { Term } 7 \text { 90-105 Credit Hours Necessary course signified by } \\ \text { Hours }\end{array} \begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\)
- Students choose at least one course in each of the four Areas and Periods course tracks. At least two courses must be completed at the 400-level.

Hide Course List(s)/Track Group(s)


ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C)

ENG 364: Women and Literature (HU)
ENG 369: Science Fiction Studies
ENG 426: British Culture and Empire, Self, Other and Monster at the Fin de Siecle

ENG 429: Studies in European Literature and Culture ((L or HU) \& G \& H)

ENG 430: Studies in Victorian Literature and Culture (L or HU), Darwin (L or HU)

ENG 434: Studies in the Literature and Culture of the Americas (HU \& C), Nobel Laureates (HU \& C), Spies and Hackers (HU \& C)

ENG 435: Literatures and Cultures of Immigration and Diaspora

ENG 436: Studies in Anglophone Literature and Culture, Carnivores, Cannibals, and Consumerism , Postcolonial Studies

ENG 440: Studies in American Literature and Culture (HU)

ENG 442: Studies in 20th-Century British and Irish Literature and Culture, Britains Angry Decades: Lit/Culture 1945-65 ENG 444: Studies in American Romanticism (HU)

ENG 445: Studies in American Realism (L or \(\mathrm{HU})\)

ENG 447: Experimental Narrative
ENG 448: Studies in Irish Literature and Culture (HU)

ENG 452: Studies in the Novel (HU)
ENG 457: Indigenous Poetry (HU)
ENG 458: Latina/o Literature ((L or HU) \& C)
ENG 461: Studies in Women and Literature (HU)

ENG 465: Studies in Film
ENG 469: Science and Literature (L or HU)
ENG 470: Symbols and Archetypes in Children's Literature (L or HU)

ENG 471: Literature for Young Adults (HU)

Literature and Culture Before 1800
ENG 201: World Literature (HU \& H \& G) ENG 202: World Literature (HU \& H)

ENG 221: Survey of English Literature (HU)
ENG 241: Literatures of the United States to 1860 ((L or HU) \& C)

ENG 303: Classical Backgrounds of English Literature (HU)

ENG 315: Medieval Literature in Translation (HU)

ENG 321: Shakespeare (L or HU)
ENG 325: Restoration and the 18th Century
ENG 326: English Drama 1660-1800 (HU)
ENG 328: The Novel to Jane Austen (HU \& H)

ENG 415: Studies in Medieval Literature and Culture (HU)

ENG 416: Chaucer in Middle English (HU)
ENG 418: Renaissance Literature (L or HU)
ENG 421: Studies in Shakespeare (L or HU)
ENG 422: Special Topics in Shakespeare (HU)
ENG 423: Renaissance Drama (L or HU)
ENG 424: Milton (HU)
ENG 425: Studies in Romanticism (HU)
ENG 427: Studies in 18th-Century Literature and Culture (HU)

ENG 476: Studies in Folklore ((L or HU or SB) \& C)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

English (Secondary Education), BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAENGSEBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

LIA 101: Student Success in the College of Liberal Arts and Sciences 1
MAT 142: College Mathematics (MA) 3
SPE 222: Orientation to Education of Exceptional Children (SB \& C) 3 C
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 equivalent), including American Sign Language IV.

Term hours subtotal
14
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Join a student club or professional organization \\
\hline EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline 4 ENG 200: Critical Reading and Writing About Literature (L or HU) & 3 & C & - Teachers College Clinical Experience \\
\hline ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU \& H) OR ENG 241: Literatures of the United States to 1860 ((L or HU) \& C) OR ENG 242: Literatures of the United States, 1860 to Present (HU) & 3 & C & Requirement: Apply for Department of Public Safety Identity Verified Print (IVP) Fingerprint Clearance Card. \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU.

\(\begin{array}{l}\text { Term } 7 \text { 92-108 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

Hide Course List(s)/Track Group(s)
Ethnic or Women's Literature

ENG 333: American Ethnic Literature ((L or HU) \& C)

ENG 353: African American Literature:
Beginnings through the Harlem Renaissance ((L or HU) \& C)

ENG 354: African American Literature:
Harlem Renaissance to the Present ((L or HU) \& C)

ENG 359: Indigenous American Literature ((L or HU) \& C

ENG 363: Transborder Mexican and
Chicano/a Literature of Southwest North
America ((L or HU) \& C)
ENG 364: Women and Literature (HU)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
Hrs Resident Credit for
Academic Recognition: 56 minimum
- Humanities, Arts and Design (HU)
Total Community College Hrs: 64 maximum
- Social-Behavioral Sciences (SB)
Total College Residency Hrs: 12 minimum
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

English (Writing, Rhetorics and Literacies), BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAENGWBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Join a student club or professional organization \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Maintain 2.00 GPA in Major Courses. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline 4. ENG 200: Critical Reading and Writing About Literature (L or HU) & 3 & C & \\
\hline ENG Elective & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{1. Complete Mathematics (MA) requirement.} & \\
\hline Complete First-Year Composition requirement. & & & \\
\hline
\end{tabular}



\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Family and Human Development, BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAFASBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. FAS 101: Personal Growth in Human Relationships (SB) OR CDE 232: Human Development (SB)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3 ENG 107 or ENG 108: First-Year Composition

LIA 101: Student Success in the College of Liberal Arts and Sciences

MAT 142: College Mathematics (MA)
PSY OR SOC Elective
Elective
Term hours subtotal:
3
16
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- This degree requires completion of MAT 142 with a grade of C or better. Transfer students who have not completed a math course directly equivalent to an ASU course meeting the requirement will be required to take an additional math course.
- Select a career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline FAS 101: Personal Growth in Human Relationships (SB) OR CDE 232: Human Development (SB) & 3 & C & - Network in your career interest area \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Complete 2 courses: Elective & 6 & & \\
\hline
\end{tabular}

Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline FAS Elective & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Elective & 3 & & \\
\hline 4 Complete First-Year Composition requirement. & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline CDE Electives & FAS Electives \\
\hline CDE 312: Adolescence (SB) & FAS 264: Gender and Society (SB \& C) \\
\hline CDE 337: Early Childhood Intervention & FAS 301: Introduction to Parenting \\
\hline CDE 338: Child Development Practicum & FAS 324: Work and the Workplace (SB \& H) \\
\hline \multirow[t]{2}{*}{CDE 418: Aging and the Life Course (SB \& H)} & FAS 332: Human Sexuality (SB) \\
\hline & FAS 390: Supervised Research Experience \\
\hline CDE 430: Infant/Toddler Development in the Family (SB) & FAS 435: Advanced Marriage and Family Relationships (L or SB) \\
\hline \multirow[t]{2}{*}{CDE 450: Child Dysfunction in the Family} & FAS 440: Fundamentals of Marriage and Family Therapy \\
\hline & FAS 484: Internship \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Family and Human Development, BS

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Location: Online
LAFASBS

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\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. CDE 232: Human Development (SB) OR FAS 101: Personal Growth in Human Relationships (SB)

ASU 101-UC: The ASU Experience
3

1
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

Term hours subtotal:
7
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First Year Seminar is required for all freshman students
- Select a career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours & Hours & Minimum Grade & Notes \\
\hline PSY OR SOC Elective & 3 & C & \multirow[t]{3}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. CDE 232: Human Development (SB) OR FAS 101: Personal Growth in Human Relationships (SB)

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107:

3 C First-Year Composition or ENG 108: First-Year Composition

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{\text {P }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

C
.......
3
Elective
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal
6
- This degree requires completion of MAT 142 with a grade of C or better. Transfer students who have not completed a math course directly equivalent to an ASU course meeting the requirement will be required to take an additional math course.
- Network in your career interest area
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 25-32 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 32-38 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) & 3 & \\
\hline Elective & 3 & \\
\hline Complete First-Year Composition requirement. & & \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline
\end{tabular}

Term hours subtotal:
6
\begin{tabular}{|c|c|c|c|}
\hline Term 4-A 38-45 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-B 45-51 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. PSY OR SOC Elective & 3 & C & Develop your skills \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-A 51-57 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


\begin{tabular}{|c|c|c|c|}
\hline Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline CLAS Science and Society Elective & 3 & C & \multirow{2}{*}{- Research employment opportunities} \\
\hline Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CDE OR FAS Upper Division Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 81-87 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CDE OR FAS Upper Division Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8 - B 93-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & - Gather professional references \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular}} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline Upper Division Elective & 3 & & \multirow{3}{*}{- Apply for full-time career opportunities} \\
\hline & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours Necessary course signified by & Hours & Minimum
Grade & Notes \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.50 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\author{
2018-2019 Major Map \\ Film (Film and Media Studies), BA \\ School/College: College of Liberal Arts and Sciences \\ Location: Tempe campus \\ LAFMSBA
}
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 9 FMS 100: Introduction to Film (HU) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Maintain 2.50 GPA in Critical Tracking Courses. & & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU.

\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline FMS 110: Introduction to New Media (HU) OR FMS 200: Film History ((L or HU) \& H) & 3 & C & - Students must complete FMS 110 and FMS \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & - Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and \\
\hline Natural Science - Quantitative (SQ) & 4 & & networking. \\
\hline
\end{tabular}
4. Complete First-Year Composition requirement.
(1) Complete Mathematics (MA) requirement.

Maintain 2.50 GPA in Critical Tracking Courses.
Term hours subtotal: 14
\begin{tabular}{|c|c|c|c|}
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline 4. FMS Elective & 3 & C & \multirow[t]{7}{*}{- Explore an internship} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.50 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
Term 5 60 \(\mathbf{7 4}\) Credit Hours Necessary course signified by

\section*{Term hours subtotal: 16}
\(\begin{array}{l}\text { Term } 7 \text { 90-105 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\[
\text { Term hours subtotal: } \quad 15
\]
\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

Upper Division Major Emphasis Area 3
Complete 2 courses:
- All FMS majors are required to take one course from each of four emphasis areas. Courses that
\begin{tabular}{|c|c|c|}
\hline FMS Upper Division Elective & 6 & C \\
\hline Upper Division Elective & 3 & \\
\hline Elective & 3 & \\
\hline & 15 & \\
\hline
\end{tabular}
are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses.
- All FMS majors are required to take one course from each of four emphasis areas shown in the track lists below.
\begin{tabular}{|c|c|c|}
\hline Major Emphasis Area - Media Industries & Major Emphasis Area - Media and Society & Major Emphasis Area - Screenwriting \\
\hline FMS 302: U.S. Media Now & \multirow[t]{2}{*}{FMS 345: Asian Pacific Americans and Film ( \(\mathrm{HU} \& \mathrm{C} \& \mathrm{H}\) )} & FMS 302: U.S. Media Now \\
\hline FMS 351: Emerging Digital Media & & FMS 309: Intermediate Screenwriting \\
\hline FMS 374: American Visions: Innovators in Popular Media & FMS 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU) & FMS 340: Contemporary American Film and Popular Culture (HU) \\
\hline \multirow[t]{2}{*}{FMS 440: Los Angeles: Movies and Culture ((L or HU\() \& \mathrm{C})\)} & FMS 375: LGBTV: Television and Sexuality & FMS 409: Advanced Screenwriting \\
\hline & \multirow[t]{2}{*}{FMS 377: Baseball, Film, and American Dreams} & \multirow{3}{*}{FMS 412: Story Analysis for Film and Television} \\
\hline FMS 471: Latinos In Hollywood (HU \& C) & & \\
\hline & FMS 427: Identity and World Film & \\
\hline & FMS 450: Technology, Culture, and Media (HU) & \\
\hline & FMS 455: Comedy as Social Discourse & \\
\hline & FMS 460: Masculinity and Film (HU) & \\
\hline & FMS 468: Crime and Violence in American Film (HU) & \\
\hline Major Emphasis Area - Styles and Genres & & \\
\hline FMS 340: Contemporary American Film and Popular Culture (HU) & & \\
\hline FMS 351: Emerging Digital Media & & \\
\hline FMS 374: Francis Ford Coppola & & \\
\hline \multirow[t]{2}{*}{FMS 377: Baseball, Film, and American Dreams} & & \\
\hline & & \\
\hline FMS 440: Los Angeles: Movies and Culture ((L or HU) \& C) & & \\
\hline FMS 441: Global Cinema (HU \& G) & & \\
\hline FMS 461: Film Theory and Criticism (HU) & & \\
\hline FMS 464: Latina/o Literature ((L or HU) \& C & & \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- There is room in this Major Map to add a concurrent degree, a minor, a certificate, an internship or to study abroad.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Film (Film and Media Studies), BA
School/College: College of Liberal Arts and Sciences
Location: Online
LAFMSBA
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition


3 C
3


\section*{Term 1-B 7-14 Credit Hours Critical course signified by}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR
ENG 107: First-Year Composition or ENG 108: First-Year Composition
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4

\section*{Hours Minimum Grade}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar is required for all freshman students
equivalent), including American Sign Language IV.

Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 14-21 Credit Hours & Hours & Minimum Grade & Notes \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \multirow{3}{*}{- Join a student club or professional organization} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-B 21-28 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. FMS 110: Introduction to New Media (HU) OR FMS 200: Film History ((L or HU) \& H)

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or

4
C equivalent), including American Sign Language IV.

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 28-35 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- View ASU Online first-time freshmen registration information here.
- Select your career interest area and play me3@ASU.
- Join a student club or professional organization

\begin{tabular}{|c|c|c|c|c|}
\hline Term 7-A 79-85 Credit Hours Necessary course signified by & \multicolumn{2}{|r|}{Hours} & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Major Emphasis Area & \multicolumn{2}{|r|}{3} & C & \multirow[t]{3}{*}{- Gather professional references.} \\
\hline \multicolumn{2}{|l|}{Elective} & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 6} & \\
\hline \multicolumn{2}{|l|}{Term 7-B 85-91 Credit Hours Necessary course signified by} & Hours & Minimum Grade & Notes \\
\hline FMS Upper Division Elective & \multicolumn{2}{|r|}{3} & C & \\
\hline Upper Division Elective & \multicolumn{3}{|c|}{3} & \\
\hline Term hours subtotal: 6 & \multicolumn{3}{|c|}{6} & \\
\hline Term 8-A 91-97Credit Hours Necessary course signified by & Hours & \multicolumn{2}{|l|}{rs \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}} & Notes \\
\hline FMS Upper Division Elective & \multicolumn{2}{|l|}{3} & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- All FMS majors are required to take one course from each of four emphasis areas shown in the track lists below. Courses that are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses. \\
- Create or update your resume.
\end{tabular}} \\
\hline Elective & \multicolumn{3}{|l|}{3} & \\
\hline Term hours subtotal: & \multicolumn{3}{|l|}{6} & \\
\hline Term 8-B 97-103 Credit Hours & & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline \multicolumn{2}{|l|}{\begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular}} & 6 & & \multirow[t]{2}{*}{- Use Handshake to research employment opportunities.} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal:} & \\
\hline Term 9-A 103-109 Credit Hours Necessary course signified by & \multicolumn{2}{|r|}{Hours} & Minimum Grade & Notes \\
\hline \multicolumn{2}{|l|}{FMS Upper Division Elective} & 3 & C & \\
\hline Upper Division Elective & \multicolumn{3}{|c|}{3} & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 6} & \\
\hline Term 9-B 109-115 Credit Hours & Hours & urs M & \[
\begin{aligned}
& \text { imum } \\
& \text { rade }
\end{aligned}
\] & Notes \\
\hline Upper Division Elective & & 3 & & \multirow[b]{3}{*}{\begin{tabular}{l}
- All FMS majors are required to take one course from each of four emphasis areas shown in the track lists below. Courses that are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline Elective & & 3 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & & \\
\hline Term 10-A 115-120 Credit Hours Necessary course signified by & \multicolumn{2}{|r|}{Hours} & Minimum Grade & Notes \\
\hline FMS Upper Division Elective & \multicolumn{2}{|r|}{3} & C & \\
\hline Elective & \multicolumn{3}{|c|}{2} & \\
\hline \multicolumn{2}{|l|}{Term hours subtotal:} & \multicolumn{2}{|l|}{5} & \\
\hline
\end{tabular}
- All FMS majors are required to take one course from each of four emphasis areas.


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

French, BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAFREBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum & Notes \\
\hline 4. SLC 201: Introduction to Linguistics (HU or SB) & 3 & C & \multirow[b]{12}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or College specific First Year Seminar required of all freshman students. \\
- ASU Language Placement: Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language are required to take a placement test. \\
- Learn about French Language Intensive Courses \\
- Students may opt to take FRE 110 Intensive French I (equivalent to FRE 101 and FRE 102) in term 1. This course is offered in the Fall semester. \\
- Engage in French at ASU
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline FRE 101: Elementary French I (G) & 4 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline & & & \\
\hline & & & \\
\hline & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \multirow[t]{3}{*}{- Start planning your study abroad experience. Learn about faculty-directed summer programs in QuÃObec, Canada, and in Lyon, France. Attend a Financing Your Study Abroad Program Workshop.} \\
\hline FRE 102: Elementary French II (G) & 4-6 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \begin{tabular}{l}
- Explore your career interest area. \\
- Students may opt to take FRE 210 Intensive
\end{tabular} \\
\hline Elective & 3 & & \multirow[t]{3}{*}{French II (equivalent to FRE 201 and FRE 202) in term 2. This course is offered in Spring only.} \\
\hline (1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 16-18 & & me3@ASU. \\
\hline
\end{tabular}
\begin{tabular}{l} 
Term 3 30-46 Credit Hours Critical course signified by 4 Hours \\
\hline FRE 201: Intermediate French I (G) \\
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

Maintain 2.33 GPA in Critical Tracking Courses.
Term hours subtotal: \(16-18\)
\begin{tabular}{|c|c|c|c|}
\hline Term 46-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 SLC 202: Introduction to Literary and Cultural Theory & 3 & C & \multirow{6}{*}{- Meet with a School of International Letters and Cultures academic advisor to learn which semester or academic year study abroad program works best with your major.} \\
\hline FRE 202: Intermediate French II (G) & 4-6 & C & \\
\hline Related Area Course & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.33 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 14-16 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline FRE 305: Readings in French Literature (G) & 3 & C & \multirow[t]{3}{*}{- Enroll in listed courses or meet with your academic advisor about participating in an International Letters and Cultures endorsed study abroad program for your major.} \\
\hline FRE 311: Oral and Written Expression I (G) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline
\end{tabular}
\(\qquad\)

Literacy and Critical Inquiry (L) 3
Elective 3
Term hours subtotal: 15
\begin{tabular}{|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline F FRE 312: Oral and Written Expression II (G) & 3 & C \\
\hline FRE 321: French Literature ((L or HU) \& H) & 3 & C \\
\hline W Upper Division FRE Elective & 3 & C \\
\hline Upper Division Elective OR FRE 484: Internship & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline
\end{tabular}


Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 790-106 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline FRE 322: French Literature (L or HU) & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
FRE 4** Elective
\end{tabular} & 6 & C \\
\hline ITA 101: Elementary Italian I (G) & 4 & C \\
\hline Upper Division Elective & 3 & \\
\hline Term hours subtot & 16 & \\
\hline
\end{tabular}
Term 8 106-120 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c|cc} 
Minimum \\
Grade
\end{tabular}

- Meet with a School of International Letters and Cultures academic advisor to learn which semester or academic year study abroad program works best with your major.
- Enroll in listed courses or meet with your academic advisor about participating in an study abroad program for your major. fellowships, and research opportunities.
- Explore your career interest area.
- Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.
- Use Handshake to research employment opportunities
- Enroll in listed courses or meet with your academic advisor about participating in an International Letters and Cultures endorsed study abroad program for your major.
- SLC language and/or translation courses may not be used for the SLC 400-Level Required Course Option.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Upper Division FRE Elective & \multirow[t]{2}{*}{SLC 400-Level Required Culture Course Option} & Related Area Course \\
\hline FRE 315: French Phonetics & & ARS 310: The Renaissance in Tuscany \\
\hline FRE 319: Business French (G) & \multirow[t]{3}{*}{SLC 429: Studies in European Literature and Culture ((L or HU) \& G \& H)} & \multirow[t]{2}{*}{ARS 410: Early Christian and Byzantine Art (HU)} \\
\hline \multirow[b]{2}{*}{FRE 325: French Language and Culture Through Film} & & \\
\hline & & ARS 412: Early Medieval Art (HU) \\
\hline FRE 394: Special Topics & \begin{tabular}{l}
SLC 439: Art in Exile: VladÃ-mir \\
VladÃ-mirovich Nabokov (HU \& L)
\end{tabular} & \multirow[t]{2}{*}{ARS 414: Monasteries, Madonnas and Manuscripts (HU \& H)} \\
\hline FRE 411: Advanced Spoken French (G) & SLC 441: Fairy Tales (HU \& G) & \\
\hline dvanced Written French (G) & \multirow[b]{2}{*}{SLC 444: Heroes, Ancient and Modern (L or HU)} & ARS 416: Gothic Art (HU \& H) \\
\hline FRE 414: French and Italian Popular Culture & & ARS 424: Italian Baroque Art (HU \& H) \\
\hline FRE 415: French Civilization I (HU) & SLC 445: The Holocaust in German-Mediated Memory & ARS 434: Revolution to Realism in 19th-Century Art (HU) \\
\hline FRE 416: French Civilization II (HU \& G) & \multirow[t]{2}{*}{SLC 446: Weimar-Era German Film} & \multirow[t]{2}{*}{ARS 436: The Artist, War, and Revolution (Versailles to Vietnam) (HU)} \\
\hline FRE 421: Structure of French & & \\
\hline FRE 422: Applied French Linguistics & SLC 447: German Modernism & ARS 438: Art of the 20th Century I (HU \& H) \\
\hline FRE 422. Applied French Linguistics & SLC 450: Experimental Narrative & \multirow[b]{2}{*}{ARS 439: Art of the 20th Century II (HU \& H)} \\
\hline FRE 423: French Syntax & \multirow[t]{2}{*}{SLC 451: Chinese Cultural History I ((HU or SB) \& H)} & \\
\hline FRE 451: French Poetry of the 19th Century & & \\
\hline \multirow[t]{2}{*}{FRE 452: French Novel of the 19th Century (HU)} & \multirow[t]{2}{*}{SLC 452: Chinese Cultural History II (SB \& G \& H)} & Communication (SB \& C \& G) \\
\hline & & FMP 404: World Cinema (G) \\
\hline FRE 453: Theater of the 19th Century (HU) & \multirow[t]{2}{*}{SLC 455: Multi-Kulti: Multiculturalism Through Film (G)} & GCU 325: Geography of Europe (SB \& G) \\
\hline FRE 461: Modern Narrative (HU) & & \multirow[b]{2}{*}{GCU 359: Cities of the World I (SB \& G \& H)} \\
\hline FRE 462: Modern Poetry (HU) & SLC 457: Premodern Korea in a Global Context & \\
\hline \multirow[t]{2}{*}{FRE 471: The Literature of Francophone Africa and the Caribbean (HU)} & \multirow[t]{2}{*}{SLC 465: Intercultural Communicative Competence} & GCU 360: Cities of the World II (SB \& G) \\
\hline & & \multirow[t]{2}{*}{HST 349: Early Middle Ages ((HU or SB) \& H)} \\
\hline FRE 472: Franco-Canadian Civilization & \multirow[t]{2}{*}{SLC 475: Latin American Film ((L or HU) \& G)} & \\
\hline FRE 484: Internship & & \multirow[t]{2}{*}{HST 350: Later Middle Ages ((HU or SB) \& H)} \\
\hline FRE 493: Honors Thesis (L) & SLC 491: Asian Popular Culture & \\
\hline FRE 494: Special Topics & SLC 491: Crossing Languages and Cultures & HST 351: Renaissance Europe ((L or HU or SB) \& H) \\
\hline \multirow[t]{4}{*}{FRE 499: Individualized Instruction} & SLC 491: Paris \& Florence in the Middle Ages (1100-1500) & HST 352: Europe's Reformations ((L or HU or SB) \& H) \\
\hline & \multirow[t]{3}{*}{SLC 494: Special Topics} & HST 356: Europe since 1945 (SB \& G \& H) \\
\hline & & HST 360: The Crusades: Religion \& Conflict in the Middle Ages (SB \& H) \\
\hline & & HST 361: Witchcraft and Heresy in Europe ((L or HU) \& H) \\
\hline & Academic Catalog Archive 2018-2019 & \\
\hline
\end{tabular}

HST 362: Sex and Society in Classical and Medieval Europe (SB \& H)

HST 363: Sex and Society in Early Modern Europe ((HU or SB) \& H)

HST 364: Sex and Society in Modern Europe ((L or SB) \& H)

HST 365: World Wars I and II: Europe's Eastern Front

HST 368: Culture and Imagination in European History (HU \& H)

HST 465: Women in Europe, 1750 to Present ((HU or SB) \& H)

JUS 415: Gender and International Development (L \& G)

POS 356: European Union (SB \& G)
POS 360: World Politics (SB \& G)
POS 486: International Political Economy (SB \& G)

REL 372: Formation of the Christian Tradition ( \(\mathrm{HU} \& \mathrm{H}\) )

REL 385: Contemporary Western Religious Thought (HU)

REL 470: Religion in the Middle Ages (HU \& H)

REL 471: Reformation and Modern Christianity (HU \& H)

SGS 360: Cultural Aspects of Globalization
SLC 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) \& G)

SLC 373: Roman History I: Foundations and Republic

SLC 374: Roman History II: The Roman Empire

SLC 429: Societies and Culture in Modern Europe ((L or HU) \& G \& H)

SLC 429: Studies in European Literature and Culture ((L or HU) \& G \& H)

SLC 439: Art in Exile: VladÃ-mir
VladÃ-mirovich Nabokov (HU \& L)
SLC 445: The Holocaust in German-Mediated Memory

SLC 446: Weimar-Era German Film
SLC 447: German Modernism

SLC 455: Multi-Kulti: Multiculturalism
Through Film (G)
SLC 465: Intercultural Communicative
Competence
SLC 491: Crossing Languages and Cultures
SLC 491: Paris \& Florence in the Middle
Ages (1100-1500)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Geographic Information Science, BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAGISBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
4. MAT 117: College Algebra (MA)

LIA 101: Student Success in the College of Liberal Arts and
Sciences
\begin{tabular}{|c|c|c|}
\hline Related Area Course & 3 & C \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Elective & 1 & \\
\hline & 15 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or College specific equivalent First Year Seminar required of all freshmen.
- Students will select two related area courses from the list of prefixes below.
- Play me3@asu.edu and select your area of interest.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours M & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Students will select two related area courses from the list of prefixes below. \\
- Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here.
\end{tabular}} \\
\hline GIS 205: Geographic Information Science I (CS) & 3 & C & \\
\hline 1 ¢ MAT 170: Precalculus (MA) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Related Area Course & 3 & C & \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3 30-46 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1. GIS 211: Geographic Information Science II (CS) & 4 & C & \\
\hline GIS 270: Statistics for Geography and Planning & 3 & C & \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S (C) & . 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 446-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 1 . GIS 222: Programming Principles in GIS I & 3 & C & - For the CLAS Science and Society \\
\hline 1. GIS 311: Geographic Information Science III (CS) & 4 & C & requirement, go here. \\
\hline
\end{tabular}

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Geographic Information Science, BS
School/College: College of Liberal Arts and Sciences
Location: Online
LAGISBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman. \\
- Select your career interest area and play me3@asu.edu.
\end{tabular}} \\
\hline ¢. MAT 117: College Algebra (MA) & 3 & C & \\
\hline ASU 101-UC: The ASU Experience & 1 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 1-B 7-13 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \multirow{3}{*}{- View ASU Online first-time freshman registration information here.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \multirow[t]{3}{*}{- Students should become actively involved with a student organization. Information on AS student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here.} \\
\hline GIS 205: Geographic Information Science I (CS) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 1. MAT 170: Precalculus (MA) & 3 & C & \multirow[t]{4}{*}{- Mathematics Placement Assessment score determines placement in mathematics course.} \\
\hline Elective & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-A 25-31 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. GIS 222: Programming Principles in GIS I & 3 & C & \multirow[t]{3}{*}{- Network in your career interest area.} \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal & : 6 & & \\
\hline Term 3-B 31-38 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Related Area Course Electives & 3 & C & \multirow{4}{*}{- Develop your skills.} \\
\hline \multicolumn{3}{|l|}{Natural Science - Quantitative (SQ) 4} & \\
\hline \multicolumn{3}{|l|}{Complete First-Year Composition} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{4}{|r|}{Academic Catalog Archive 2018-2019 3479} \\
\hline
\end{tabular}

Term hours subtotal: \(\quad 7\)

\begin{tabular}{|c|c|c|c|} 
Term 4-B 45-51 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Related Area Course Electives & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline
\end{tabular}
- Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. More information on internships is available here.
Term 5 - A 51 - 57 Credit Hours Necessary course signified by
\begin{tabular}{|c|c|c|}
\hline Term 7-A 76-82 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline GIS 470: Advanced Statistics for Geography and Planning (CS) & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & \multicolumn{2}{|l|}{3} \\
\hline Term hours subtotal: & 6 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 82-90 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Literacy and Critical Inquiry (L) & \multicolumn{2}{|l|}{3} & \multirow[b]{3}{*}{\begin{tabular}{l}
- Students interested in entering the job market after graduation should start researching job opportunities. Information on careers in related fields is available here. \\
- Create a first draft resume.
\end{tabular}} \\
\hline Complete 2 courses:
Elective & \multicolumn{2}{|l|}{5} & \\
\hline Term hours subtotal: & 8 & & \\
\hline Term 8-A 90-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline GIS Upper Division Elective & 3 & C & \multirow{3}{*}{- Complete an in-person or virtual practice interview.} \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 8-B 96-102 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline GIS Upper Division Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 9-A 102-108 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline GIS Upper Division Elective & 3 & C & \multirow[t]{3}{*}{- Gather professional references.} \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 9-B 108-114 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & Society requirement can be found here. \\
\hline Term hours subtotal: & 6 & & - Students planning to enter the job market should apply for full-time career opportunities. \\
\hline Term 10-A 114-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W Uper Division GIS Applied Experience & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtot & 6 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/advising-and-academic-services/science-and-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor, or related area. Science and Society Courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
```

GIS Applied Experience

```
GIS 484: Internship
GIS 498: Pro-Seminar
GIS 499: Individualized Instruction
GPH 492: Honors Directed Study
GPH 493: Honors Thesis (L)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Geography, BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAGCUBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

GCU 102: Introduction to Human Geography (SB \& G) OR GCU 121:
World Geography (SB \& G) or GCU 241: The Global Economy in
4
Transition (SB \& G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND
GPH 112: Introduction to Physical Geography Lab (SQ)
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

LIA 101: Student Success in the College of Liberal Arts and Sciences
1
Humanities, Arts and Design (HU) AND Historical Awareness (H) 3
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 equivalent), including American Sign Language IV.

Elective
2
Term hours subtotal:
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Assessment Placement score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Set up your Handshake account, play me3@ASU and select your career interest area
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

GCU 102: Introduction to Human Geography (SB \& G) OR GCU
121: World Geography (SB \& G) or GCU 241: The Global Economy
4 in Transition (SB \& G) OR GIS 205: Geographic Information Science
I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND
GPH 112: Introduction to Physical Geography Lab (SQ)
ENG 101: First-Year Composition or ENG 102: First-Year
Composition OR ENG 105: Advanced First-Year Composition OR
ENG 107: First-Year Composition or ENG 108: First-Year
Composition
MAT 142: College Mathematics (MA)
3 C
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 equivalent), including American Sign Language IV.

Elective
1
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
14
Term 3 30-46 Credit Hours Critical course signified by \(\boldsymbol{p}^{6} \quad\) Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

GCU 102: Introduction to Human Geography (SB \& G) OR GCU 121:
World Geography (SB \& G) or GCU 241: The Global Economy in
4.

Transition (SB \& G) OR GIS 205: Geographic Information Science I
(CS) OR GPH 111: Introduction to Physical Geography (SQ) AND
GPH 112: Introduction to Physical Geography Lab (SQ)
3
- Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here.

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)

Literacy and Critical Inquiry (L)
3

3
Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Term hours subtotal:
16
Term 446-61 Credit Hours Critical course signified by \(\boldsymbol{y}^{4} \quad\) Hours \begin{tabular}{c|c|c|}
\hline Minimum \\
Grade
\end{tabular}

GCU 102: Introduction to Human Geography (SB \& G) OR GCU 121:
World Geography (SB \& G) or GCU 241: The Global Economy in
Transition (SB \& G) OR GIS 205: Geographic Information Science I
(CS) OR GPH 111: Introduction to Physical Geography (SQ) AND
GPH 112: Introduction to Physical Geography Lab (SQ)
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Natural Science - General (SG) OR Natural Science - Quantitative (SQ)

Elective 4

C
4 C

\(+\)
,
Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline GCU OR GIS OR GPH Upper Division Elective & 3 & C \\
\hline Related Area Course & 3 & C \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & \\
\hline
\end{tabular}
- Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest. Information on research areas in the School of Geographical Sciences and Urban Planning is available here.
- Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available here.
\begin{tabular}{|c|c|c|c|}
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% GCU Upper Division Elective OR GCU 484: Internship & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- Students interested in continuing to graduate study following the completion of the undergraduate program should start investigating potential graduate programs including admissions requirements and deadlines. Information on the graduate programs offered through the School of Geographical Sciences and Urban Planning is available here. \\
- Use Handshake to research employment opportunities
\end{tabular}} \\
\hline Related Area Course & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Complete 2 courses: Elective & 6 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
Term 7 91-105 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

Complete 2 courses:
Upper Division Elective
Term hours subtotal: 15

Notes
- Students interested in entering the job market after graduation should start to research job


Hide Course List(s)/Track Group(s)
Related Area Courses

ASB OR GCU OR GIS OR GPH OR POS OR PUP OR SGS OR SOC OR SOS Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences.
Location: Online
LAGCUBA
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ASU 101-UC: The ASU Experience 1
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
Humanities, Arts and Design (HU) AND Historical Awareness (H)
3
Term hours subtotal:
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First Year Seminar required of all freshman students


GCU 102: Introduction to Human Geography (SB \& G) OR GCU 121:World Geography (SB \& G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) 3 C AND GPH 112: Introduction to Physical Geography Lab (SQ) Elective

3
1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|c|}
\hline Term 3-A 25-31 Credit Hours & & Hours & Minimum Grade & Notes \\
\hline Related Area Course & & 3 & C & \multirow[b]{3}{*}{- Visit Career and Professional Development Services and speak with a career advisor for assistance with career planning and networking.} \\
\hline Elective & & 3 & & \\
\hline & Term hours subtotal: & 6 & & \\
\hline
\end{tabular}

through the School of Geographical Sciences and Urban Planning is available here.



Hide Course List(s)/Track Group(s)
Related Area Courses
ASB OR GCU OR GIS OR GPH OR POS OR PUP OR SGS OR SOC OR SOS Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Geography, BS}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAGCUBS
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline GCU 102: Introduction to Human Geography (SB \& G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Select your career interest area and play me3@ASU
Term 2 16-30 Credit Hours Critical course signified by 4. Hours \begin{tabular}{c|c|c|c|}
\hline Minimum \\
Grade
\end{tabular}

GCU 102: Introduction to Human Geography (SB \& G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
MAT 142: College Mathematics (MA)3C

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

Elective
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
14
 Notes

GCU 102: Introduction to Human Geography (SB \& G) OR GIS 205: 1. Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)

CLAS Science and Society Elective
3
C
Complete 3 courses:
Elective
9

Complete First-Year Composition requirement.
- Complete Mathematics (MA) requirement.

Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here
- For the CLAS Science and Society requirement, go here

Term 4 46-61 Credit Hours Critical course signified by
\begin{tabular}{|c|c|c|}
\hline 4. GIS 270: Statistics for Geography and Planning & 3 & C \\
\hline Related Coursework & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & \\
\hline Term hours subtotal: & 15 & \\
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W GCU OR GIS OR GPH Upper Division Elective & 3 & C \\
\hline Upper Division CLAS Science and Society Elective & 3 & C \\
\hline Related Coursework & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available here.
Term 6 76-91 Credit Hours Necessary course signified by Hours \begin{tabular}{l} 
Minimum \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 791-106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% GPH Upper Division Elective OR GPH 484: Internship & 3 & C & \multirow[t]{4}{*}{- Students interested in entering the job market after graduation should start to research job opportunities. Information on careers in related fields is available here and here.} \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Complete 3 courses: Upper Division Elective & 9 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W GCU 496: Geographic Research Methods (L) & 3 & C & \\
\hline GCU OR GIS OR GPH Upper Division Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Complete 2 courses: Elective & 5 & & \\
\hline Term hours subtota & 14 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
Related Coursework
ASM OR GCU OR GIS OR GPH OR POS OR PUP OR SGS OR SOC OR SOS Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences.
Location: Online
LAGCUBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASU 101-UC: The ASU Experience 1
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)

Term hours subtotal: -
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First Year Seminar is required for all freshman students
\begin{tabular}{|c|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & \multicolumn{2}{|r|}{Hours} & Minimum Grade & Notes \\
\hline GCU 102: Introduction to Human Geography (SB \& G) OR GIS 205: Geographic Information Science I (CS) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) & & & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Set up your Handshake account, play me3@asu and select your career interest area.
\end{tabular}} \\
\hline Elective & & & & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal:} & \\
\hline Term 2-A 13-19 Credit Hours & Hours & & & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3

ENG 107 or ENG 108: First-Year Composition
MAT 142: College Mathematics (MA)
3 C
C

Term hours subtotal: \(\quad 6\)

3

7
3 C
\(\qquad\) 3


\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Elective} & \\
\hline \multicolumn{4}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 6} & \\
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Но & & Minimum Grade & Notes \\
\hline GPH Upper Division Elective & \multicolumn{2}{|c|}{3} & C & \\
\hline Upper Division Elective & \multicolumn{2}{|c|}{3} & & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 6} & \\
\hline Term 7-B 81-87 Credit Hours & Hours & & \begin{tabular}{l}
mum \\
ade
\end{tabular} & Notes \\
\hline
\end{tabular}

Complete 2 courses:
Upper Division Elective

Term hours subtotal: 6
\(\begin{array}{l}\text { Term } 8 \text { - A } 87 \text { - } 93 \text { Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)

Elective 3
Term hours subtotal:
\(\begin{array}{l}\text { Term 9-A 99-105 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{c} 
Notes
\end{tabular}

Complete 2 courses:
Upper Division Elective \(\quad 6\)
Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W GCU 496: Geographic Research Methods (L) & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Upper Division Elective 3
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/advising-and-academic-services/science-and-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
Related Area Courses
ASM OR GCU OR GIS OR GPH OR POS OR PUP OR SGS OR SOC OR SOS Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Geography (Meteorology-Climatology), BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAGCUMBS
Term 10 - 14 Credit Hours Critical course signified by 4
\begin{tabular}{l} 
GCU 102: Introduction to Human Geography (SB \& G) OR GIS 205: \\
Geographic Information Science I (CS) OR GPH 111: Introduction to \\
Physical Geography (SQ) AND GPH 112: Introduction to Physical \\
Geography Lab (SQ)
\end{tabular}
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
\begin{tabular}{|c|c|c|c|}
\hline Term 445-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Grade & Notes \\
\hline 4 MAT 272: Calculus with Analytic Geometry III (MA) & 4 & C & \multirow[t]{4}{*}{- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.} \\
\hline !. PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) & 4 & C & \\
\hline GIS 270: Statistics for Geography and Planning & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 1 & & \\
\hline Term hours subtota & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 560-74 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- GPH 409 is offered once every two years--during the Fall semester of odd-numbered years (so it may be a Term 7 course)
- Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available here.
- Students interested in conducting supervised research with a faculty member should initiate contact with faculty members who perform research in their content area of interest.
Information on research areas in the School of Geographical Sciences and Urban Planning is available here.
- For the CLAS Science and Society requirement, go here.
\(\begin{array}{l}\text { Term } 6 \text { - } 90 \text { Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{l}\text { Minimum } \\ \text { Grade }\end{array}\right]\)
Term 7 90-105 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes
\begin{tabular}{|c|c|}
\hline Upper Division Elective & 6 \\
\hline Upper Division Elective OR GCU 484: Internship OR GIS 484: Internship OR GPH 484: Internship & 3 \\
\hline Elective & 3 \\
\hline Term hours subtotal: & 15 \\
\hline
\end{tabular}
even-numbered years (so it may be a Term 5 course)
- Students interested in entering the job market after graduation should start research job opportunities. Information on careers in related fields is available here and here.
- Students should verify with their academic advisor that they will meet all requirements necessary to obtain National Weather Service certification after graduation.
\(\begin{array}{l}\text { Term } 8 \text { 105-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Journalism and Mass Communication, BA}

School/College: Walter Cronkite School of Journalism \& Mass Comm
Location:
CSJMCBA
and
Geography
(Meteorology-Climatology),
BS
College of Liberal Arts and Sciences
LAGCUMBS
\begin{tabular}{|c|c|c|}
\hline Term 10-17 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 4 JMC 101: Grammar for Journalists & 1 & B- \\
\hline 1. JMC 110: Principles and History of Journalism (SB) & 3 & C \\
\hline 4 - MAT 170: Precalculus (MA) & 3 & C \\
\hline ASU 101-CS: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline
\end{tabular}

EN 108. Frst-Year Composition
JMC 102: Coding for Journalists \(\quad 1 \quad\) C
JMC 120: Studio Production \(\quad 1 \quad\) C
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or

4
C
equivalent), including American Sign Language IV.
! Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal:
17

\begin{tabular}{|c|c|c|}
\hline 4. JMC 305: Multimedia Journalism & 3 & C \\
\hline 4 . MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C \\
\hline PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) & 4 & C \\
\hline JMC 366: Journalism Ethics and Diversity & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline \multicolumn{3}{|l|}{1 . Complete First-Year Composition requirement.} \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline
\end{tabular} Term hours subtotal: 18
\begin{tabular}{|c|c|c|c|}
\hline Term 453-71 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 JMC 315: Intermediate Reporting and Writing (Broadcast) (L) & 3 & C & \multirow[t]{5}{*}{- Students should consult with an academic adviser to determine a journalism path and appropriate course selections for JMC Advanced Skill courses.} \\
\hline . MAT 272: Calculus with Analytic Geometry III (MA) & 4 & C & \\
\hline PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) & 4 & C & \\
\hline JMC 345: Videography & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent). \\
AND \\
Global Awareness (G)
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 18 & & \\
\hline Term 571-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline JMC 330: Television Reporting & 3 & C & \multirow[t]{3}{*}{- GPH 409 is offered once every two years--during the Fall semester of odd-numbered years (so it may be a Term 7 course)} \\
\hline JMC 473: The Business and Future of Journalism & 3 & C & \\
\hline GPH 212: Introduction to Meteorology (SQ) & 3 & C & \\
\hline GPH 314: Global Change (HU \& G) OR Upper Division CLAS Science and Society Elective & 3 & & \begin{tabular}{l}
- The Science and Society list is found here. \\
- Explore an internship
\end{tabular} \\
\hline
\end{tabular}

Term hours subtotal: 16
Term 6 87-103 Credit Hours Necessary course signified by
- The Science and Society list is found here.
Term 7 103 - 121 Credit Hours Necessary course signified by
- Advanced Skills course should be selected in consultation with academic advisor.

The Science and Society list is found athttps://clas.asu.edu/advising-and-academic-services/science-and-society.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline Philosophy & U.S. History \\
\hline HON 171: The Human Event (L or HU) & \multirow[t]{2}{*}{HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H)} \\
\hline PHI 101: Introduction to Philosophy (HU) & \\
\hline PHI 103: Principles of Sound Reasoning (L or HU) & HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H) \\
\hline PHI 105: Intro to Ethics (HU) & HST 334: African American History Since 1865 ((HU or SB) \& C \& H) \\
\hline PHI 306: Applied Ethics (HU) & HST 337: American Indian History to 1900 ((HU or SB) \& C \& H) \\
\hline & \begin{tabular}{l}
HST 338: American Indian History since 1900 ((HU or SB) \& C \& H) \\
Academic Catalog Archive 2018-2019
\end{tabular} \\
\hline
\end{tabular}

\section*{Advanced Skills Courses}

JMC 320: Newscast Producing
JMC 325: Breaking News Multimedia Reporting

JMC 351: Photojournalism I
JMC 414: Digital Graphic Design
JMC 430: Sports Marketing and Campaigns
JMC 437: Documentary Production

JMC 451: Photojournalism II
JMC 452: Visual Storytelling
JMC 453: Reporting on Business and the
Economy
JMC 455: Digital Media Entrepreneurship
JMC 457: Advanced Radio Reporting
JMC 460: Advanced Online Media
JMC 465: Telling Stories with Data
JMC 470: Depth Reporting
JMC 477: New Media Innovation and
Entrepreneurship Lab
JMC 478: Cronkite News: Los Angeles
JMC 478: Cronkite News: Phoenix Bureau
JMC 479: Cronkite News: Washington Bureau
JMC 480: Cronkite News: Phoenix Sporn
Bureau
JMC 481: Cronkite News: Los Angelan
Bureau

JMC 485: Television Magazine

Total Hours: 139
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Geography (Urban Studies), BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAGCUUBS
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(1)}\) & \multicolumn{2}{|c|}{Hours} & & Notes \\
\hline GCU 102: Introduction to Human Geography (SB \& G) OR GPH 111: Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ) & 3 & \multicolumn{2}{|c|}{C} & \multirow[t]{6}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
- Play me3 and select your career interest area.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & & \multicolumn{2}{|l|}{} & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & \multicolumn{2}{|l|}{1} & & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & \multicolumn{2}{|c|}{3} & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & \multicolumn{2}{|c|}{5} & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{\(1: \quad 15\)} & & \\
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & & \[
\begin{aligned}
& \text { imum } \\
& \text { rade }
\end{aligned}
\] & Notes \\
\hline 4 GIS 205: Geographic Information Science I (CS) & 3 & & C & - Students should become actively involved wi \\
\hline (1) MAT 142: College Mathematics (MA) & 3 & & C & a student organization. Information on ASU \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & & C & student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here. \\
\hline
\end{tabular}

ENG 107 or ENG 108: First-Year Composition
Complete 2 courses.
Elective
6

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal: 15
Term 3 30-44 Credit Hours Critical course signified by 4.

GCU 102: Introduction to Human Geography (SB \& G) OR GPH 111:Introduction to Physical Geography (SQ) AND GPH 112: Introduction to Physical Geography Lab (SQ)
GIS 211: Geographic Information Science II (CS)

CLAS Science and Society Elective 3 C
Literacy and Critical Inquiry (L)
3
- Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.
Term hours subtotal:
14
\begin{tabular}{|c|c|c|c|}
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1. GIS 270: Statistics for Geography and Planning & 3 & C & ents interested in completing an intern \\
\hline Related Coursework & 3 & C & should start investigating internship \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & \multicolumn{2}{|l|}{3} & \multirow[t]{4}{*}{\begin{tabular}{l}
internship sites. Information on internships is available here. \\
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.
\end{tabular}} \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division Urban Studies Topical Courses & 3 & C & - Students interested in conducting supervised \\
\hline GCU OR GIS OR GPH Upper Division Elective OR GCU 484: Internship & 3 & C & research with a faculty member should initiate contact with faculty members who perform \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & research in their content area of interest. \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & Information on research areas in the School of Geographical Sciences and Urban Planning is available here. \\
\hline Term hours subtotal: & 15 & & - For the CLAS Science and Society requirement, go here \\
\hline
\end{tabular}
Term 6 75 90 Credit Hours Necessary course signified by
\(\begin{array}{l}\text { Term } 8 \text { 105-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.
Hide Course List(s)/Track Group(s)
Urban Studies Topical Courses
\begin{tabular}{l} 
GCU 350: The Geography of World Crises \\
(SB \& G)
\end{tabular} \begin{tabular}{l} 
ASM OR GCU OR GIS OR GPH OR POS \\
OR PUP OR SGS OR SOC OR SOS Elective
\end{tabular}
GCU 351: Population Geography (SB \& G)
GCU 357: Social Geography (SB)
GCU 359: Cities of the World I (SB \& G \& H)
GCU 360: Cities of the World II (SB \& G)
GCU 364: Energy in the Global Arena (SB \&
G)

GCU 441: Economic Geography (SB)
GCU 442: Geographical Analysis of
Transportation (SB)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAGERBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline (1) SLC 201: Introduction to Linguistics (HU or SB) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline GER 101: Elementary German (G) & 4-6 & C \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}

Term hours subtotal: 14-16
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or College specific equivalent First Year Seminar required for all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level language courses. Students with previous experience in the language are required to take a language placement test.
- In term 1, students may opt to take GER 110, a 6 credit German intensive language course equivalent to GER 101 and GER 102.
- Engage in German at ASU.

\begin{tabular}{|c|c|c|c|}
\hline Term 446-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. SLC 202: Introduction to Literary and Cultural Theory & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major. \\
- Learn about national scholarships, fellowships, and research opportunities.
\end{tabular}} \\
\hline GER 202: Intermediate German (G) & 4 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.33 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline T GER 310: Advanced German Grammar and Composition I (G) & 3 & C & \multirow[b]{4}{*}{- Enroll in listed courses or in an ASU Study Abroad, School of International Letters and Cultures endorsed semester or academic year exchange program abroad in Germany at University of Heidelberg or University of Regensburg or University of Tuebingen.} \\
\hline \% GER 311: German Conversation (G) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science General (SG) & \multicolumn{2}{|l|}{4} & \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} & \\
\hline Elective & 3 & & \multirow[t]{2}{*}{\begin{tabular}{l}
- Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters. \\
- Learn about internships, scholarships and awards for language majors.
\end{tabular}} \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% GER 312: Readings in German Culture (G) & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters. \\
- Use Handshake to research employment opportunities
\end{tabular}} \\
\hline \(⿳\) GER 313: Advanced German Grammar and Composition II (G) & 3 & C & \\
\hline GER 4** Elective & 3 & C & \\
\hline Upper Division GER Elective & 3 & C & \\
\hline
\end{tabular}

Upper Division Elective OR GER 484: Internship 3
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 791-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § GER 421: German Literature Survey, 800-1800 (HU) & 3 & C & \multirow[t]{5}{*}{- Learn about ways to build your skills.} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
GER 4** Elective
\end{tabular} & 6 & C & \\
\hline Upper Division Related Area Course & 3 & C & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline GER 422: German Literature Survey, 1800-Today (L or HU) & 3 & C \\
\hline 4** SLC Required Culture Course Option & 3 & C \\
\hline GER 4** Elective & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & \\
\hline
\end{tabular}
- Up to two Related Area Courses (6 credit hours) may be substituted for GER 3** and/or GER 4** electives. SLC language and/or translation courses may not be used to satisfy the SLC 400-Level Required Course Option.
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Related Area Course & \multirow[t]{2}{*}{SLC 400-Level Required Culture Course Option} \\
\hline ARB OR BCS OR CHI OR FRE OR GER OR Option & \\
\hline GRK OR HEB OR ITA OR JPN OR KOR OR & SLC 414: French and Italian Popular Culture \\
\hline LAT OR PLC OR POR OR ROM OR RUS & \multirow[b]{3}{*}{SLC 429: Studies in European Literature and Culture ((L or HU) \& G \& H)} \\
\hline OR SLV OR SPA OR VTN Upper Division & \\
\hline Elective & \\
\hline APH 300: World Architecture I/Western & \multirow[t]{2}{*}{\begin{tabular}{l}
SLC 439: Art in Exile: VladÃ-mir \\
VladÃ-mirovich Nabokov (HU \& L)
\end{tabular}} \\
\hline Cultures (HU \& H \& G) & \\
\hline APH 336: 20th-Century Architecture I (HU) & SLC 441: Fairy Tales (HU \& G) \\
\hline APH 337: 20th-Century Architecture II (HU) & SLC 444: Heroes, Ancient and Modern (L or \(\mathrm{HU})\) \\
\hline \multicolumn{2}{|l|}{ASB 480: Principles of Linguistics} \\
\hline ASB 483: Sociolinguistics and the & SLC 445: The Holocaust in German-Mediated Memory \\
\hline Ethnography of Communication (SB) & \multirow[b]{2}{*}{SLC 446: Weimar-Era German Film} \\
\hline \multirow[b]{2}{*}{COM 371: Language, Culture, and Communication (SB \& C \& G)} & \\
\hline & SLC 447: German Modernism \\
\hline DCE 300: Moving Histories (HU) & SLC 450: Experimental Narrative \\
\hline GCU 325: Geography of Europe (SB \& G) & SLC 451: Chinese Cultural History I ((HU or SB) \& H) \\
\hline GCU 359: Cities of the World I (SB \& G \& H) & SLC 452: Chinese Cultural History II (SB \& G \& H) \\
\hline GCU 360: Cities of the World II (SB \& G) & \multirow[b]{2}{*}{SLC 455: Multi-Kulti: Multiculturalism Through Film (G)} \\
\hline \multirow[t]{2}{*}{HST 304: Studies in European History (SB \& H)} & \\
\hline & \\
\hline \multirow[t]{2}{*}{HST 349: Early Middle Ages ((HU or SB) \& H)} & Context \\
\hline & \multirow[b]{2}{*}{SLC 465: Intercultural Communicative Competence} \\
\hline \multirow[t]{2}{*}{HST 350: Later Middle Ages ((HU or SB) \& H)} & \\
\hline & \multirow[b]{2}{*}{SLC 475: Latin American Film ((L or HU) \& G)} \\
\hline \multirow[t]{3}{*}{HST 351: Renaissance Europe ((L or HU or SB) \& H)} & \\
\hline & \multirow[b]{2}{*}{SLC 491: Asian Popular Culture} \\
\hline & \\
\hline HST 352: Europe's Reformations ((L or HU or SB) \& H) & SLC 491: Crossing Languages and Cultures \\
\hline HST 353: Old Regime in Europe (SB \& H) & SLC 491: Paris \& Florence in the Middle Ages (1100-1500) \\
\hline \multirow[t]{2}{*}{HST 354: Revolutionary Europe (SB \& H)} & \multirow[b]{2}{*}{SLC 494: Special Topics} \\
\hline & \\
\hline
\end{tabular}
Upper Division GER Elective
GER 315: Germanic Mythology (HU \& G)
GER 319: Business Correspondence and
Communication (G)
GER 394: Special Topics
GER 431: German Humor
GER 441: Fairy Tales (HU \& G)
GER 445: The Holocaust in German-Mediated
Memory
GER 446: Weimar-Era German Film
GER 447: German Modernism
GER 455: Multi-Kulti: Multiculturalism
Through Film (G)
GER 492: Honors Directed Study
GER 493: Honors Thesis (L)
GER 494: Special Topics
(I)

HST 368: Culture and Imagination in European History (HU \& H)

HST 429: Modern Germany (SB \& G \& H)
HST 454: History of Genocide (G \& H)
JUS 415: Gender and International Development (L \& G)

MHL 344: Music in World Cultures (HU \& G)

PHI 329: History of Modern Philosophy (HU \& H)

PHI 331: Philosophy of Language (HU)
POS 340: History of Political Philosophy I (HU \& H)

POS 341: History of Political Philosophy II (HU \& H)

POS 352: European Democracies

POS 356: European Union (SB \& G)

POS 360: World Politics (SB \& G)

POS 486: International Political Economy (SB \& G)

REL 372: Formation of the Christian Tradition (HU \& H)

REL 385: Contemporary Western Religious Thought (HU)

REL 470: Religion in the Middle Ages (HU \& H)

REL 471: Reformation and Modern Christianity (HU \& H)

SLC 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) \& G)

SLC 429: Special Topics, Studies in European Literature and Culture ((L or HU) \& G \& H)

SLC 439: Art in Exile: VladÃ-mir VladÃ-mirovich Nabokov (HU \& L) SLC 441: Fairy Tales (HU \& G)

SLC 445: The Holocaust in German-Mediated Memory

SLC 446: Weimar-Era German Film

SLC 447: German Modernism

SLC 450: Experimental Narrative
SLC 455: Multi-Kulti: Multiculturalism Through Film (G)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Global Health, BA}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LASSHBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline 1. ASB 100: Introduction to Global Health (SB \& G) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ASB 191 satisfies this requirement.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU.
- Create a first draft resume.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ASB 102: Introduction to Cultural Anthropology (SB \& G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR Global Health Elective in Related Areas & 3-4 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Students complete six credit hours of Global Health Electives chosen from the related areas of Culture, Society and Health; Poverty and Social Justice; Pre-Health and Other; and Time Depth and Health \& Human Biology. \\
- Network in your career interest area. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Second Language: Requirement satisfied through the following: & & & \\
\hline
\end{tabular}
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.
Elective

3

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal: \(16-17\)
\begin{tabular}{|c|c|c|}
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR ASM 201: Epidemics and Outbreaks & 3 & C \\
\hline BIO 181: General Biology I (SQ) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) & 4 & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}

Elective
3
- Students complete six credit hours of Global Health Electives chosen from the related areas of Culture, Society and Health; Other; and Time Depth and Health \& Human Biology.
- Join a student club or professional organization.

Complete Mathematics (MA) requirement.
1. Complete First-Year Composition requirement.

Term hours subtotal: 14
Term 444-60 Credit Hours Critical course signified by © \(\quad\) Hours \begin{tabular}{c|c|c|}
\hline Minimum \\
Grade
\end{tabular}\(\quad\) Notes \begin{tabular}{l} 
4.
\end{tabular}

1 Computer/Statistics/Quantitative Applications (CS) 3
Second Language: Requirement satisfied through the following:
4. * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

Natural Science - Quantitative (SQ) 4
Elective
Term hours subtotal: 16

\begin{tabular}{|c|c|c|c|}
\hline Term 681-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Upper Division Global Health Core Course & 3 & C \\
\hline Global Health Elective in Related Areas & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline Complete 2 courses: Upper Division Elective & 6 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}

Term hours subtotal: 15
Term 7 96-108 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(|\)
Term 8108-120 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Upper Division Global Health Practicum & 3 & C \\
\hline Global Health Elective in Related Areas & 3 & C \\
\hline Upper Division Elective OR SSH 484: Internship & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline Term hours subtotal: & 12 & \\
\hline
\end{tabular}
Hide Course List(s)/Track Group(s)
Global Health Core
ASB 300: Food and Culture ((L or SB) \& C) \begin{tabular}{l} 
Health Related Area \\
ASB 301: Global History of Health (SB \& G
\end{tabular} \begin{tabular}{l} 
ASB 210: Human Sexuality: Anthropological \\
\&erspectives (SB \& G) \\
\& H) or SSH 301: Global History of Health
\end{tabular}

Global Health Elective: Pre-Health \& Other Related Area

ASB 102: Introduction to Cultural Anthropology (SB \& G)

ASB 357: Society, Drugs and Health (SB \& G)

ASM 104: Bones, Stones, and Human Evolution (SB or SG)

BCH 361: Advanced Principles of Biochemistry

BIO 340: General Genetics
BIO 351: Developmental Biology
BIO 360: Animal Physiology
ECN 211: Macroeconomic Principles (SB)
ECN 212: Microeconomic Principles (SB)
MIC 220: Biology of Microorganisms
SSH 201: Epidemics and Outbreaks
\begin{tabular}{|c|c|c|}
\hline Global Health Elective: Poverty and Social Justice Related Area & Global Health Elective: Time Depth and Health \& Human Biology Related Area & ASB 357: Society, Drugs and Health (SB \& G) \\
\hline ASB 202: Immigration and Ethnic Relations in the U.S. (SB \& C) & \multirow[t]{2}{*}{ASB 301: Global History of Health (SB \& G \& H) or SSH 301: Global History of Health (SB \& G \& H) or HST 301: Global History of Health (SB \& G \& H)} & POS 464: Border Cities: Action Research on Globalization (SB \& G) \\
\hline ASB 305: Poverty and Global Health ((L or SB) \& G) & & \multirow[t]{2}{*}{SSH 402: Community Partnerships for Global Health (SB) or ASB 452: Community Partnerships for Global Health (SB)} \\
\hline & ASM 342: Evolution of Human Behavior & \\
\hline SB 316: Money and Culture (L or SB) & ASM 345: Disease and Human Evol & \multirow[t]{3}{*}{SSH 414: Urban and Environmental Health (SB) or ASM 414: Urban and Environmental Health (SB)} \\
\hline ASB 370: Ethics of Eating (L or SB) & & \\
\hline ASM 348: Social Issues in Human Genetics & \multirow[t]{2}{*}{ASM 446: Principles of Human Genetics (L) or BIO 446: Principles of Human Genetics (L)} & \\
\hline (SB) & & SSH 499: Individualized Instruction \\
\hline \multirow[t]{2}{*}{SGS 340: Violence, Conflict and Human Rights} & ASM 452: Dental Anthropology (SG) & \multirow[t]{2}{*}{TCL 321: Transborder Community Development and Health} \\
\hline & HPS 331: History of Medicine (HU \& H) & \\
\hline SGS 350: Economic Development and Globalization & SOC 448: Epidemics and Society (SB \& G) & \multirow[t]{2}{*}{TCL 424: Theory and Practice of Community Development and Health (SB)} \\
\hline & \multirow[t]{3}{*}{SSH 314: HIV/AIDS: Science, Behavior, and Society or MIC 314: HIV/AIDS: Science, Behavior, and Society} & \\
\hline TCL 323: Latino Health Issues (SB \& C) & & \\
\hline TCL 327: Health and Migration (SB) & & \\
\hline TCL 422: U.S.-Mexico Border Health & SSH 401: Health and Human Biology or ASM 401: Health and Human Biology & \\
\hline TCL 443: Political Ecology of the Border (SB \& G) & & \\
\hline
\end{tabular}

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- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
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Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
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Total Community College Hrs: 64 maximum
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\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
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- Social-Behavioral Sciences (SB)
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- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Global Health, BA

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Location: Online
LASSHBA

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\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASB 100: Introduction to Global Health (SB \& G)
3
C
ASU 101-UC: The ASU Experience
1
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline Global Health Elective OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) & \multicolumn{2}{|l|}{3-4} & \multirow[t]{4}{*}{\begin{tabular}{l}
- Create a first draft resume. \\
- View ASU Online first-time freshmen registration information here.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR & \multicolumn{2}{|r|}{\multirow[t]{2}{*}{3 C}} & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Term hours subtotal: & 6-7 & & \\
\hline Term 2-A 13-19 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or

4
equivalent), including American Sign Language IV.
Elective
Elective 2
Term hours subtotal: 6
- ASU Language Placement: Only those students with no experience with the language may take the 101-level course. All other students are required to take a language placement exam, regardless of prior credit earned.
- Students who choose to complete ASM 104 in term 2-A only need two elective credit hours in term 5-B.
- Network in your career interest area.
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-26 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Mathematics Placement Assessment score determines placement in mathematics course \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline 4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-A 26-33 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{4}{|l|}{\begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular}} & - Develop your skills. \\
\hline \multicolumn{4}{|l|}{\begin{tabular}{l}
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular}} & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal:} & \\
\hline \multicolumn{2}{|l|}{Term 3-B 33-40 Credit Hours Critical course signified by \({ }^{(4)}\)} & Hours & Minimum Grade & Notes \\
\hline \multicolumn{2}{|l|}{\begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular}} & 4 & C & \\
\hline \multicolumn{2}{|l|}{Literacy and Critical Inquiry (L)} & 3 & & \\
\hline \multicolumn{4}{|l|}{(1) Complete First-Year Composition requirement.} & \\
\hline \multicolumn{4}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{2}{|l|}{Term hours subtotal:} & 7 & & \\
\hline \multicolumn{2}{|l|}{Term 4-A 40-46 Credit Hours Critical course signified by \({ }^{(1)}\)} & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \multicolumn{2}{|l|}{SOC 390: Social Statistics I (CS) OR ASM 201: Epidemics and Outbreaks OR STP 226: Elements of Statistics (CS)} & 3 & C & - Explore an internship. \\
\hline Social-Behavioral Sciences (SB) & & 3 & & \\
\hline \multicolumn{2}{|l|}{Term hours subtotal:} & 6 & & \\
\hline \multicolumn{2}{|l|}{Term 4-B 46-53 Credit Hours} & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \multicolumn{2}{|l|}{Humanities, Arts and Design (HU) AND Historical Awareness (H)} & 3 & & \\
\hline Natural Science - Quantitative (SQ) & & 4 & & \\
\hline \multicolumn{2}{|l|}{Term hours subtotal:} & 7 & & \\
\hline Term 5-A 53-59 Credit Hours Necessary course signified by & Hours & & \[
\begin{aligned}
& \text { imum } \\
& \text { rade }
\end{aligned}
\] & Notes \\
\hline SSH 403: Cross-Cultural Studies in Global Health ((L or SB) \& G) & 6 & & \multicolumn{2}{|r|}{\multirow[t]{2}{*}{\begin{tabular}{l}
- All global health online majors are strongly encouraged to go on a summer study abroad program to fulfill major requirements. The 6 hours in term Term 5 - A reflect the six hours that must be completed abroad, or with 2 additional Global Health core courses through the School of Human Evolution and Social Change. Please contact your academic advisor for travel dates and options, or to inquire about petitioning for a substitution. \\
- For more information about planning and paying for your study abroad program, please go here.
\end{tabular}}} \\
\hline Term hours subtotal: & 6 & & & \\
\hline Term 5-B 59-66 Credit Hours & & urs & Minimum Grade & Notes \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & \multicolumn{2}{|l|}{4} & & \multirow[t]{3}{*}{\begin{tabular}{l}
- Students who choose to complete ASM 104 in term 2-A need only complete 2 elective hours in term 5-B. \\
- Develop your professional online presence.
\end{tabular}} \\
\hline Elective & \multicolumn{2}{|l|}{3-2} & & \\
\hline Term hours subtota & \multicolumn{2}{|l|}{7-6} & & \\
\hline Term 6-A 66-72 Credit Hours & & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Global Health Core & Global Health Elective \\
\hline ASB 300: Food and Culture ((L or SB) \& C) & \multirow[t]{2}{*}{ASB 210: Human Sexuality: Anthropological Perspectives (SB \& G)} \\
\hline \multirow[t]{2}{*}{ASB 305: Poverty and Global Health ((L or SB) \& G)} & \\
\hline & ASB 300: Food and Culture ((L or SB) \& C) \\
\hline ASB 327: Disaster! ((L or SB) \& C) & \multirow[t]{2}{*}{ASB 305: Poverty and Global Health ((L or SB) \& G)} \\
\hline \multirow[t]{2}{*}{ASB 395: Topics in Comparative Culture (SB \& G)} & \\
\hline & ASB 316: Money and Culture (L or SB) \\
\hline \multirow[t]{2}{*}{ASB 462: Medical Anthropology: Culture and Health (SB \& C)} & ASB 327: Disaster! ((L or SB) \& C) \\
\hline & \multirow[b]{2}{*}{ASB 357: Society, Drugs and Health (SB \& G)} \\
\hline ASM 345: Disease and Human Evolution & \\
\hline \multirow[t]{8}{*}{WST 380: Race, Gender, and Class (SB \& C)} & ASB 378: McGlobalization: Migration, Mass Media and McDonald's ((L or SB) \& C) \\
\hline & ASB 462: Medical Anthropology: Culture and Health (SB \& C) \\
\hline & ASM 104: Bones, Stones, and Human Evolution (SB or SG) \\
\hline & ASM 201: Epidemics and Outbreaks \\
\hline & ASM 246: Human Origins (SB) \\
\hline & ASM 275: Forensic Anthropology (SB or SG) \\
\hline & ASM 345: Disease and Human Evolution \\
\hline & SOC 424: Women and Health (SB) \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Global Studies, BA

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Location: Tempe campus
LASGSBA

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\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline SGS 101: Thinking Globally: The Individual and Authority (SB \& G) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement into mathematics course.
- All freshmen are required to pass a Student Success seminar which is part of the CLAS block.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- This major does require a global experience. Students must complete an approved study abroad experience or an approved international internship.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1 SGS 204: Professional Global Career Development & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement. \\
- Visit the Career and Professional Development Center to identify networking opportunities and to seek career planning assistance. \\
- Meet with a study abroad professional and complete the Study Abroad 101 workshop.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Related Area Course & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline
\end{tabular}

Complete Mathematics (MA) requirement.
Term hours subtotal: 14
\begin{tabular}{|c|c|c|}
\hline Term 444-60 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 4. SGS Elective & 3 & C \\
\hline Related Area Course & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal & 16 & \\
\hline
\end{tabular}
- Attend career related workshops and meet with a career counselor to discuss professional goals.
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SGS 305: Empirical Political Inquiry (SB) & 3 & C \\
\hline SGS Upper Division Elective & 3 & C \\
\hline Complete 2 courses: & \multirow[t]{2}{*}{6} & \multirow[t]{2}{*}{C} \\
\hline Related Area Course & & \\
\hline Upper Division Elective & 3 & \\
\hline & 15 & \\
\hline
\end{tabular}
- The global studies major requires all students to complete a global experience. The experience must be approved by the School of Politics and Global Studies' internship coordinator before the experience is completed. Meet with our internship coordinator to develop a plan to fulfill this requirement.
\begin{tabular}{|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline S SGS 401: Political Statistics (CS) & 3 & C \\
\hline SGS Upper Division Elective & 3 & C \\
\hline SGS Elective & 3 & C \\
\hline Complete 2 courses: Upper Division Elective & \multicolumn{2}{|l|}{6} \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \(\$\) SGS Upper Division Elective & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Join Handshake and research target organizations of interest. \\
- Take advantage of mock interview opportunities and resume and cover letter writing services.
\end{tabular}} \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § SGS 484: Internship & 3 & C & \multirow[t]{2}{*}{- Finalize future educational or career plans.} \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline
\end{tabular}
- All Global Studies majors must complete six major elective courses. Nine hours of the major electives must be upper division.
Students must earn a ' C ' or better in the courses.

Students must complete 12 credit hours in courses drawn from related areas. Courses beginning with the following prefixes may be used. Only upper division foreign language courses offered by the School of International Letters and Cultures apply to the related area requirement. Students must earn a 'C' or better in the related area courses.

Hide Course List(s)/Track Group(s)

Related Area Upper Division Foreign
Language Courses

ARB OR BCS OR CHI OR FRE OR GER OR GRK OR HEB OR HIN OR IDN OR ITA OR JPN OR KOR OR LAT OR PLC OR POR OR ROM OR RUS OR SLC OR SLV OR SPA
OR VTN Upper Division Elective

Related Area Courses

AFR OR ASB OR ASM OR BIO OR COM
OR ECN OR GCU OR GPH OR HPS OR HST OR JUS OR NLM OR PAF OR POS OR PUP OR REL OR SOS OR USL OR WST Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Global Studies, BA}

School/College: College of Liberal Arts and Sciences.
Location: Online
LASGSBA
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SGS 101: Thinking Globally: The Individual and Authority (SB \& G) & 3 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & \\
\hline \multicolumn{3}{|l|}{ENG 101 or ENG 102: First-Year Composition OR} \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline
\end{tabular}

Term hours subtotal:
7
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
ASU 101 or College-specific First Year Seminar is required for all freshman students.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- This major requires students to complete a global experience. The global experience requires students to complete a study abroad experience or to complete an internship in a country other than the United States. The global experience must be approved by the School of Politics and Global Studies after students have declared the ASU Global Studies major.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-20 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

SGS 204: Professional Global Career Development
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.

Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline MAT 142: College Mathematics (MA) & 3 & C & \multirow[t]{2}{*}{- Mathematics Placement Assessment score determines placement in mathematics course.} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{4}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \\
\hline Term 3-A 27-34 Credit Hours & Hours & Minimum Grade & Notes \\
\hline SGS Elective & 3 & C & \multirow{3}{*}{- The electives in this degree program allow room for students to complete a minor or certificate program.} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \\
\hline Term 3-B 34-41 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular}} & \\
\hline \multicolumn{4}{|l|}{1 Complete First-Year Composition requirement.} \\
\hline \multicolumn{3}{|l|}{4 Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \\
\hline Term 4-A 41-47 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SGS Elective & 3 & C & \multirow[b]{3}{*}{- View career webinars and meet with a career counselor to discuss professional goals.} \\
\hline Literacy and Critical Inquiry (L) & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 4-B 47-53 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Natural Science - Quantitative (SQ) & \multicolumn{2}{|l|}{4} & \\
\hline Elective & \multicolumn{2}{|l|}{2} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 5-A 53-59 Credit Hours Necessary course signified by & Hours Mi & \begin{tabular}{l}
imum \\
rade
\end{tabular} & Notes \\
\hline \% SGS 305: Empirical Political Inquiry (SB) & 3 & C & \multirow[t]{3}{*}{- The global studies major requires all students to complete a global experience. The experience must be approved by the School of Politics and Global Studies' internship coordinator before the experience is completed. Speak with our internship coordinator to develop a plan to fulfill this requirement.} \\
\hline SGS Elective & 3 & C & \\
\hline \multirow[t]{2}{*}{[ Term hours subtotal:} & \multicolumn{2}{|l|}{6} & \\
\hline & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Literacy and Critical Inquiry (L) & \multicolumn{2}{|l|}{3} & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 6-A 65-71 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SGS 401: Political Statistics (CS) & 3 & C & \multirow[b]{3}{*}{- Attend career related workshops and meet with a career counselor to discuss professional goals.} \\
\hline SGS Upper Division Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B71-77 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Related Area Course
\end{tabular} & 6 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal & 6 & & \\
\hline Term 7-A 77-83 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SGS Upper Division Elective & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- Join Handshake and research target organizations of interest. \\
- Take advantage of mock interview opportunities and resume and cover letter writing services.
\end{tabular}} \\
\hline Related Area Course & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7 - B 83-90 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Related Area Course & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 90-96 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SGS Upper Division Elective & 3 & C & \multirow[t]{3}{*}{- The electives in this degree program allow room for students to complete a minor or certificate program.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 8-B 96-102 Credit Hours & Hours & Minimum Grade \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & \\
\hline
\end{tabular}

\section*{Notes}
- If interested in pursuing additional education, make preparations for graduate or law school.
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 102-108 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 108-114 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline S SGS 484: Internship & 3 & C & \multirow[t]{2}{*}{- Finalize future educational or career plans.} \\
\hline Upper Division Elective & 3 & & \\
\hline
\end{tabular}

- Students must complete 12 credit hours in courses drawn from related areas. Courses beginning with the following prefixes may be used. Only upper division foreign language courses offered by the School of International Letters and Cultures apply to the related area requirement. Students must earn a ' C ' grade or better in the related area courses.

Hide Course List(s)/Track Group(s)
Related Area Courses
AFR OR ASB OR ASM OR BIO OR COM
OR ECN OR GCU OR GPH OR HST OR JUS
OR PAF OR POS OR PUP OR REL OR SOS
OR WST Elective
POR OR SPA Upper Division Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

History, BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAHISBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) HST Survey Course & 3 & C & \multirow{16}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman students \\
- Select your career interest area and play me3@ASU. \\
Notes \\
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam. \\
- Join a student club or professional organization. \\
- If interested in law school, review Pre-Law at ASU website.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Related Area Course & 3 & C & \\
\hline Elective & 3 & & \\
\hline Maintain 2.25 GPA in HST. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-30 Credit Hours Critical course signified by \({ }^{(6)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & \\
\hline (4) HST 130: The Historian's Craft & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Natural Science - Quantitative (SQ) & \multicolumn{2}{|l|}{4} & \\
\hline \multicolumn{3}{|l|}{(7) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline \multicolumn{3}{|l|}{Maintain 2.25 GPA in HST.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 330-46 Credit Hours Critical course signified by \({ }^{(6)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
Related Area Course
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 equivalent), including American Sign Language IV.

Computer/Statistics/Quantitative Applications (CS) 3
Literacy and Critical Inquiry (L) 3
Elective 3
(4) Complete First-Year Composition requirement.

4 Complete Mathematics (MA) requirement.
Maintain 2.25 GPA in HST.
- Many General Studies courses can overlap with major requirements, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Explore opportunities to study abroad.
\begin{tabular}{r|c|c|cc|}
\hline Term 4 46-60 Credit Hours Critical course signified by \({ }^{\bullet}\) & Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Academic Catalog Archive 2018-2019 & 3529
\end{tabular}
\begin{tabular}{l} 
4. HST Survey Course \\
\begin{tabular}{l} 
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or \\
equivalent), including American Sign Language IV.
\end{tabular} \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative \\
(SQ)
\end{tabular}
Term 560 - 76 Credit Hours Necessary course signified by Hours \begin{tabular}{l} 
Minimum \\
Grade
\end{tabular}
Term 6 76 - 91 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

Choosing a Social-Behavioral Sciences (SB course that also fulfills Global Awareness (G) is recommended if G requirement has not already been satisfied through other course work.
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.
- If interested in law school, make an appointment with the pre-law advisor
- The sequence of upper division history courses shown here is a suggested one. Except where prerequisites dictate the order, consult an academic advisor to determine the best sequence of courses for your personal plan of study.
- Choosing a Humanities (HU) course that also fulfills Cultural Diversity in the United States is recommended. Research Experience through the School of Historical, Philosophical and Religious Studies.

If planning on law school, prepare to take the LSAT. career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor.
If choosing an internship (HST 484) for History in the Wild, the internship must be standard letter grading.
- Explore graduate school opportunities.

Term hours subtotal: 15
\begin{tabular}{|c|c|c|}
\hline Term 791-106 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline HST 495: Methods of Historical Inquiry (L) & 3 & C \\
\hline HST Upper Division Elective & 3 & C \\
\hline Upper Division Related Area Course & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{6} \\
\hline Maintain 2.25 GPA in HST. & & \\
\hline Term hours subt & 15 & \\
\hline
\end{tabular}

Term 8 106-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- HST 302-307 are variable topics courses. Students may take these courses for credit multiple times, so long as the topics are different. All students are required to take one course from HST 304 and HST 306, plus one course chosen from HST 303, HST 305, or HST 307. Students may select any topic within these course numbers for this requirement. However, for the Comparative History and History in the Wild requirements, students must choose only from the specific topics shown in the Comparative History and History in the Wild lists below. Any topic under HST 302 will count as a Comparative History course. Students must complete 33 total credit hours in history (HST), so any variable topics courses taken for Comparative History and History in the Wild will be in addition to the standard requirement for HST 304, HST 306, and (HST 303, 305, or 307).

Students must complete 12 credits of courses in Related Areas, at least six of which must be upper-division.

At least 12 upper-division hours in the major (HST) must be in courses offered by the College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)
\(\left.\begin{array}{ll}\text { HST Survey Courses } & \text { Comparative History } \\
\text { HST 100: Global History to } 1500(\text { HU \& H \& } \\
\text { G) }\end{array} \begin{array}{l}\text { HST 301: Global History of Health (SB \& G } \\
\text { \& H) }\end{array}\right]\)\begin{tabular}{l} 
HST 302: Studies in History ((HU or SB) \& G \\
HST 101: Global History Since 1500 (HU \& \\
H \& G)
\end{tabular}

\section*{History in the Wild}

HST 302: Introduction to Peace Studies ((HU or SB) \& G \& H)

HST 306: Historic Preservation in the U.S. ((HU or SB) \& H)

HST 306: Landscape, Place and Memory in American History (( HU or SB) \& H)

HST 306: Monuments and Memory ((HU or SB) \& H)

HST 414: Political Thought and Leadership
HST 484: Internship
HST 485: History in the Wild

HST 326: The Global History of the Trans-Atlantic Slave Trade (SB \& H)

HST 357: Historical Perspectives on Philosophy and Religion

HST 404: Conquest and Encounters in Colonial Latin America (L \& G)
\begin{tabular}{|c|c|}
\hline Related Area courses & Related Area courses continued \\
\hline AFR OR AIS OR APA OR APH OR ARS OR ASB OR ASM OR ECN OR GCU OR HPS & \begin{tabular}{l}
ITA 321: Italian Renaissance Culture: \\
Politicians, Merchants, Artists and Courtesans
\end{tabular} \\
\hline OR SOC OR TCL OR WST Elective & \multirow[t]{2}{*}{ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU)} \\
\hline ENG Elective (not from ENG 101-197) & \\
\hline \multirow[t]{2}{*}{JST Elective (not from JST 131, 132, 231, or 232)} & ITA 420: Italian Cinema (L \& G) \\
\hline & \multirow[t]{2}{*}{ITA 430: Italian Literature of the Middle Ages (HU)} \\
\hline ARB 331: Arabic/Islamic Culture and & \\
\hline Literature (HU \& H \& G) & ITA 441: Dante: Divina Commedia (L or HU) \\
\hline ARB 335: Arabic Culture and Islam (G) & \multirow[b]{2}{*}{ITA 443: Italian Literature of the Renaissance ( \(\mathrm{HU} \& \mathrm{H}\) )} \\
\hline ARB 336: Introduction to the Qur'an & \\
\hline ARB 337: Hadith and Prophetic Tradition & \multirow[t]{2}{*}{ITA 449: 20th-Century Italian Literature (HU \& G)} \\
\hline ARB 341: Quran Text and Women (HU \& H) & \\
\hline ARB 351: Classical Arabic Literature & JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G) \\
\hline ARB 352: Modern Arabic Literature in Translation & JPN 414: Introduction to Classical Japanese \\
\hline & JPN 415: Advanced Classical Japanese \\
\hline Controversies (H) & \multirow[t]{2}{*}{JPN 445: Readings in Modern Japanese Letters and Culture} \\
\hline BIO 318: History of Medicine ( HU \& H) & \\
\hline BIO 344: Origins, Evolution, and Creation & KOR 250: Korean Culture and Society (HU \& G) \\
\hline BIO 346: The Darwinian Revolution & KOR 321: Modern Korean Literature \\
\hline \multirow[t]{2}{*}{CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)} & KOR 347: Korean Film and Literature (HU) \\
\hline & KOR 350: Women of Korea (H) \\
\hline CHI 321: Chinese Literature (HU) & \multirow[t]{2}{*}{KOR 457: Premodern Korea in a Global Context or SLC 457: Premodern Korea in a Global Context} \\
\hline CHI 322: Chinese Literature (HU \& G) & \\
\hline CHI 345: Chinese Film and Civilization & \multirow[t]{2}{*}{LAT 222: Survey of Roman Literature (HU) or SLC 222: Survey of Roman Literature (HU)} \\
\hline CHI 348: Pathways into Chinese Culture & \\
\hline CHI 430: Readings in Chinese Religions (HU & LAT 421: Roman Literature (HU) \\
\hline \& G) & \multirow[t]{2}{*}{MCO 418: History of Mass Communication
\[
(\mathrm{SB} \& \mathrm{H})
\]} \\
\hline \multirow[t]{2}{*}{CHI 451: Chinese Cultural History I ((HU or SB) \& H)} & \\
\hline & MUS 354: Popular Music (HU) \\
\hline CHI 452: Chinese Cultural History II (SB \& G \& H) & MUS 355: American Music (HU \& C \& H) \\
\hline \begin{tabular}{l}
CHI 461: Readings in Traditional Chinese \\
Literature I
\end{tabular} & MUS 356: Broadway and the American Musical (HU) \\
\hline CHI 470: Modern Chinese Literature and Culture & MUS 362: Rap Music and Hip Hop Culture ( \(\mathrm{HU} \& \mathrm{C}\) ) \\
\hline FRE 305: Readings in French Literature (G) & MUS 371: World Music (HU \& G) \\
\hline FRE 321: French Literature ((L or HU) \& H) & MUS 410: History of Women in Music (HU \& C \& H) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline FRE 322: French Literature (L or HU) & \multirow[t]{2}{*}{POR 472: Luso-Brazilian Civilization (HU \& G)} \\
\hline FRE 415: French Civilization I (HU) & \\
\hline FRE 416: French Civilization II (HU \& G) & PSY 414: History of Psychology (L or SB) \\
\hline FRE 441: French Literature of the 17th & PUP 412: History of the City ((L or HU) \& H) \\
\hline Century (HU) & \multirow[t]{2}{*}{RUS 321: Foundations of Russian Literature (HU)} \\
\hline FRE 442: French Literature of the 17th & \\
\hline Century (HU \& H) & \multirow[t]{2}{*}{RUS 322: Scandals and Scoundrels: The Nineteenth-Century Russian Novel (L or HU)} \\
\hline FRE 445: French Literature of the 18th & \\
\hline Century (L or HU) & \multirow[t]{2}{*}{RUS 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) \& G)} \\
\hline FRE 451: French Poetry of the 19th Century & \\
\hline FRE 452: French Novel of the 19th Century & RUS 421: Pushkin (L or HU) \\
\hline (HU) & RUS 423: Dostoevsky and Tolstoy (L or HU) \\
\hline FRE 453: Theater of the 19th Century (HU) & \multirow[t]{2}{*}{RUS 424: Tolstoy and War and Peace in Russian Literature and Cinema (L or HU)} \\
\hline FRE 461: Modern Narrative (HU) & \\
\hline FRE 462: Modern Poetry (HU) & RUS 425: Chekhov and Russian Drama (L or HU) \\
\hline FRE 471: The Literature of Francophone Africa and the Caribbean (HU) & RUS 430: Russian Short Story (L or HU) \\
\hline FRE 472: Franco-Canadian Civilization & RUS 441: Survey of Russian Culture ((L or HU) \& G \& H) \\
\hline GER 315: Germanic Mythology (HU \& G) & SLV 440: History of Slavic Languages (SB) \\
\hline GER 415: German Civilization (HU \& H \& G) & \multirow[b]{2}{*}{SPA 325: Introduction to Hispanic Literature (HU)} \\
\hline GER 416: German Civilization (HU \& H \& G) & \\
\hline GER 421: German Literature Survey, & SPA 425: Foundational Texts of Spain (HU) \\
\hline 800-1800 (HU) & \multirow[t]{2}{*}{SPA 426: Literature and Society in Modern Spain (HU)} \\
\hline GER 422: German Literature Survey, & \\
\hline 1800-Today (L or HU) & \multirow[t]{2}{*}{SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)} \\
\hline GER 431: German Humor & \\
\hline GER 441: Fairy Tales (HU \& G) or SLC 441: Fairy Tales (HU \& G) & \multirow[t]{2}{*}{SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) \& G)} \\
\hline GER 453: German Literary Masterpieces on & \\
\hline Film (HU \& H \& G) & \multirow[t]{2}{*}{SPA 429: Writing Mexico: Major Texts ((L or HU) \& G)} \\
\hline \multirow[t]{3}{*}{GRK 142: Ancient Greek Civilization (HU \& H) or SLC 142: Ancient Greek Civilization (HU \& H)} & \\
\hline & SPA 431: Prose of Golden Age (L or HU) \\
\hline & SPA 434: Drama of the Golden Age \\
\hline GRK 221: Survey of Ancient Greek Literature (HU) or SLC 221: Survey of Ancient Greek Literature (HU) & SPA 435: Cervantes-Don Quijote ((L or HU) \& H) \\
\hline GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to & SPA 454: 19th-Century Spanish American Narrative \\
\hline \begin{tabular}{l}
Greek and Roman Mythology (HU) or SLC \\
223: Introduction to Greek and Roman \\
Mythology (HU)
\end{tabular} & SPA 456: 20th-Century Spanish American Fiction \\
\hline GRK 301: Ancient Greek Literature I (HU) & SPA 464: Jait \(\tilde{A}^{3} n\) Works in Chicano/a Literature ((HU or SB) \& C) \\
\hline
\end{tabular}
\begin{tabular}{ll} 
GRK 444: Heroes, Ancient and Modern (L or & SPA 471: Civilization of the \\
HU) or LAT 444: Heroes, Ancient and & \begin{tabular}{l} 
\& C)
\end{tabular} \\
Modern (L or HU) or SLC 444: Heroes, & SPA 472: Latin American Society: Five Case \\
Ancient and Modern (L or HU) & Studies (HU \& H \& G)
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.25 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
History, BA

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Location: Online
LAHISBA

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\begin{tabular}{|c|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{\boldsymbol{4}}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline HST Survey Course & 3 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline Maintain 2.25 GPA in HST. & & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar is required of all freshman students.
- Select your career interest area and play me3@ASU.


ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202

4
C
or equivalent), including American Sign Language IV.
\[
\text { Term hours subtotal: } \quad 7
\]
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.
\begin{tabular}{|c|c|c|}
\hline Term 2-B 20-27 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade \\
\hline ¢. HST 130: The Historian's Craft & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{3}{|l|}{Maintain 2.25 GPA in HST.} \\
\hline Term hours subtotal & 7 & \\
\hline
\end{tabular}

\section*{Notes}
- Transfer students with more than 30 credit hours may take HST 330 in place of HST 130.
- Review the Career Guide for ASU Online students to learn about available career planning resources.
- If interested in law school, review Pre-Law at ASU website.
\begin{tabular}{l|c|c|c|c}
\hline Term 3-A 27-34 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l} 
Second Language: Requirement satisfied through the following:
\end{tabular} & & & C Many General Studies requirements can
\end{tabular}

\footnotetext{
Humanities, Arts and Design (HU) AND Global Awareness (G)
3
}


Term hours subtotal:
6
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 34-41 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Related Area Course & 3 & C & \multirow{5}{*}{- Explore opportunities to study abroad. Online students are eligible and encouraged to participate!} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{9.............................................................................} & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 41-47 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ¢ HST Survey Course & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.25 GPA in HST.} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 47-53 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 2 & & Development Services website and arrange a \\
\hline Term hours subtotal: & 6 & & \begin{tabular}{l}
virtual advising session with a career counselor for assistance with career planning and networking. \\
- If interested in law school, make a phone appointment with the pre-law advisor.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 34-41 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Related Area Course & 3 & C & \multirow{5}{*}{- Explore opportunities to study abroad. Online students are eligible and encouraged to participate!} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{9............................................................................} & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 41-47 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ¢ HST Survey Course & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.25 GPA in HST.} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 47-53 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 2 & & Development Services website and arrange a \\
\hline Term hours subtotal: & 6 & & \begin{tabular}{l}
virtual advising session with a career counselor for assistance with career planning and networking. \\
- If interested in law school, make a phone appointment with the pre-law advisor.
\end{tabular} \\
\hline
\end{tabular}
room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Choosing a Humanities, Arts and Design (HU) course that also fulfills the Global Awareness (G) requirement is recommended if these requirements have not already been satisfied through major courses.
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 53-59 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ) Upper Division Comparative History Course & 3 & C & \multirow[t]{4}{*}{- The sequence of upper-division history courses shown here is a suggested one. Except where prerequisites dictate the order, students should consult an academic advisor to determine the best sequence of courses for their personal plan of study.} \\
\hline Elective & 3 & & \\
\hline Maintain 2.25 GPA in HST. & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-B 59-65 Credit Hours & Hours & Minimum Grade & Notes \\
\hline HST 304: Studies in European History (SB \& H) & 3 & C & \multirow[b]{4}{*}{- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies.} \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Maintain 2.25 GPA in HST. & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline & & Minimum & \\
\hline
\end{tabular}
Term 6 - A 65 - 72 Credit Hours Necessary course signified by
Natural Science - General (SG) OR Natural Science - Quantitative
(SQ) Hours
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 78-84 Credit Hours & Hours & Minimum Grade & Notes \\
\hline HST Upper Division Elective & 3 & C & \multirow{4}{*}{- If planning on law school, prepare to take the LSAT.} \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.25 GPA in HST.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 7-B84-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HST 495: Methods of Historical Inquiry (L) & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.25 GPA in HST.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 8 - A 90-96 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Related Area Course & 3 & C & \multirow{3}{*}{- Explore graduate school opportunities.} \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 8-B 96-102 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HST 306: Studies in United States History ((HU or SB) \& H) & 3 & C & \multirow{4}{*}{- View career webinars offered by Career and Professional Development Services.} \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.25 GPA in HST.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 9-A 102-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HST Upper Division Elective & 3 & C & \multirow[t]{2}{*}{- Use Handshake to research employment opportunities.} \\
\hline Upper Division Related Area Course & 3 & C & \\
\hline
\end{tabular}

Term hours subtotal: 6

- HST 302-306 are variable topics courses. Students may take these courses for credit multiple times, so long as the topics are different. All students are required to take one course from HST 303, HST 304 and HST 306. Students may select any topic within these course numbers for this requirement. However, for the Comparative History requirement, students must choose only from the specific topics shown in the Comparative History list below. All topics under HST 302 fulfill the Comparative History requirement. Students must complete 33 total credit hours in history (HST), so any variable topics course taken for Comparative History will be in addition to the standard requirement for HST 303, HST 304 and HST 306.

Students must complete 12 credits of Related Area courses, at least six of which must be upper-division.

At least 12 upper-division hours in the major (HST) must be in courses offered by the College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline HST Survey Courses & Comparative History & Related Area \\
\hline HST 100: Global History to 1500 (HU \& H \& G) & HST 301: Global History of Health (SB \& G \& H) & AFR Elective \\
\hline HST 101: Global History Since 1500 (HU \& H \& G) & HST 302: Studies in History ((HU or SB) \& G \& H) & ARB 335: Arabic Culture and Islam (G) \\
\hline HST 109: United States to 1865 ((HU or SB) \& H) & HST 303: The British Empire in Asia (SB \& H) & ARS Elective \\
\hline \multirow[t]{10}{*}{HST 110: United States Since 1865 (SB \& H)} & HST 304: Witchcraft and Christianity in the Atlantic World (SB \& H) & ASB Elective \\
\hline & HST 456: The Vietnam War (SB \& G \& H) & ASM Elective \\
\hline & & ECN Elective \\
\hline & & ENG Elective (not from ENG 101-197) \\
\hline & & GCU Elective \\
\hline & & JUS Elective \\
\hline & & MCO 418: History of Mass Communication (SB \& H) \\
\hline & & MUS 354: Popular Music (HU) \\
\hline & & MUS 355: American Music (HU \& C \& H) \\
\hline & Academic Catalog Archive 2018-2019 & \(\square 3539\) \\
\hline
\end{tabular}

MUS 362: Rap Music and Hip Hop Culture (HU \& C)

MUS 371: World Music (HU \& G)
PHI Elective
POS Elective

REL Elective
SGS Elective
SOC Elective
SPA 325: Introduction to Hispanic Literature (HU)

SPA 425: Foundational Texts of Spain (HU)
SPA 426: Literature and Society in Modern Spain (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)

SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) \& G)

SPA 429: Writing Mexico: Major Texts ((L or HU) \& G)

SPA 471: Civilization of the
Indohispanomexicano Southwest ((L or HU)
\& C)
SPA 472: Latin American Society: Five Case Studies (HU \& H \& G)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) \& G)

SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala

TCL Elective

THE 322: Theatre History and Culture (HU \& H)

THE 421: Shakespeare: Stage and Film (L or \(\mathrm{HU})\)

THE 430: History of Fashion I (HU)

\section*{WST Elective}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.25 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\author{
2018-2019 Major Map \\ History (Secondary Education), BA \\ School/College: College of Liberal Arts and Sciences. \\ Location: Tempe campus \\ LAHISSEBA
}

Please pay special attention to the milestone tasks in term 4, and note that students must have a minimum 2.50 cumulative GPA to progress into the iTeachAZ Program.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

HST 100: Global History to 1500 (HU \& H \& G) OR HST 101: ). Global History Since 1500 (HU \& H \& G) OR HST 109: United States to 1865 ((HU or SB) \& H) OR HST 110: United States Since 1865 (SB \& H)

ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR

3
ENG 107 or ENG 108: First-Year Composition
LIA 101: Student Success in the College of Liberal Arts and Sciences

MAT 142: College Mathematics (MA) 3
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or

4
equivalent), including American Sign Language IV
Minimum 2.25 GPA in HST.
Term hours subtotal:
14
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman students
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-31 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
HST 100: Global History to 1500 (HU \& H \& G) OR HST 101: \\
Global History Since 1500 (HU \& H \& G) OR HST 109: United States to 1865 ((HU or SB) \& H) OR HST 110: United States Since \(1865(\mathrm{SB} \& \mathrm{H})\)
\end{tabular} & 3 & C & - Students must complete HST 100, HST 101, HST 109 and HST 110 prior to term 5. These courses may be taken in any order. \\
\hline HST 130: The Historian's Craft & 3 & C & - Join a student club or professional \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & organization. \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.25 GPA in HST. & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3 31-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

HST 100: Global History to 1500 (HU \& H \& G) OR HST 101: Global History Since 1500 (HU \& H \& G) OR HST 109: United States to \(1865((\mathrm{HU}\) or SB) \& H) OR HST 110: United States Since 1865 (SB \& H)
- Apply for Identity Verified Print (IVP) DPS fingerprint card: www.azdps.gov/services/fingerprint/

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
 Minimum 2.25 GPA in HST.

Term hours subtotal: 14
\begin{tabular}{|l|l|l|l|}
\hline Hours & Minimum \\
\hline
\end{tabular}
Term 445-61 Credit Hours Critical course signified by

EDT 180: Technology Literacy: Problem Solving using DigitalTechnology Applications (CS) OR EDT 321: Computer Literacy: Mobile Technologies and Your World (CS)

HST 100: Global History to 1500 (HU \& H \& G) OR HST 101: Global History Since 1500 (HU \& H \& G) OR HST 109: United States to \(1865((\mathrm{HU}\) or SB\() \&\) H) OR HST 110: United States Since 1865 (SB \& H)

SPE 222: Orientation to Education of Exceptional Children (SB \& C)
3
C

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or

4 C
equivalent), including American Sign Language IV.
Elective
3
Milestone: Complete online intent to progress form (meet with
1. SHPRS advisor), submit DPS fingerprint clearance card to MLFTC
advising office (to be uploaded with intent to progress form), and attend an iTeachAZ orientation prior to registration.
. Minimum 2.50 GPA ASU Cumulative.
Minimum 2.25 GPA in HST.
Term hours subtotal
16
\begin{tabular}{|c|c|c|}
\hline Term 561-77 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline EDP 313: Childhood and Adolescence (SB) & 3 & C \\
\hline SED 396: Clinical Experience I & 1 & Y \\
\hline 5 TEL 311: Instruction and Management in the Inclusive Classroom & 3 & C \\
\hline Upper Division Non-U.S. HST course & 3 & C \\
\hline Upper Division United States HST course & 3 & C \\
\hline Elective & 3 & \\
\hline 3 Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Minimum 2.25 GPA in HST. & & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 677-92 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline HST 480: Methods of Teaching History: Classroom Resources & 3 & C \\
\hline HST 495: Methods of Historical Inquiry (L) & 3 & C \\
\hline 3 SED 397: Clinical Experience II & 1 & Y \\
\hline
\end{tabular}

Term 792-108 Credit Hours Necessary course signified by \begin{tabular}{c|c|c|c|c} 
Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 792-108 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W BLE 407: SEI for Secondary Students & 3 & C \\
\hline HST 481: Methods of Teaching History: Community Resources & 3 & C \\
\hline 5 RDG 323: Literacy Processes in Content Areas & 3 & C \\
\hline 3 SED 322: Classroom Leadership in Secondary Schools (L) & 3 & C \\
\hline SED 496: Clinical Experience III & 1 & Y \\
\hline Upper Division Non-U.S. HST course & 3 & C \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Minimum 2.25 GPA in HST.} \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}


Term hours subtotal: 16
- Attend career fairs, workshops and related events offered by Career and Professional Development Services.
- All other degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching in term 8.
- Students must pass the NES Secondary Professional Knowledge Exam to obtain secondary education teacher certification in Arizona. Completing this exam prior to student teaching is highly recommended. Students who wish to be "appropriately certified" for middle grade social studies must also take the Middle Grades Social Science test. See www.aepa.nesinc.com/.
\begin{tabular}{|c|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SED 478: Student Teaching: Secondary Education (Grades 6-12) & 12 & C & \multirow[t]{2}{*}{- Students must either have passed the Constitutions of the United States and Arizona} \\
\hline Minimum 2.25 GPA in HST. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & AEPA exam or have completed coursework covering this requirement within one year of \\
\hline \multirow[t]{3}{*}{Term hours subtotal:} & 12 & & initial certification. \\
\hline & & & - Take advantage of mock interview opportunities and assistance with writing resumes and cover letters. \\
\hline & & & - Apply for career opportunities. \\
\hline
\end{tabular}
- At least 12 upper-division hours in history (HST) must be in courses offered by the College of Liberal Arts and Sciences.
Hide Course List(s)/Track Group(s)
\begin{tabular}{ll} 
Upper Divison United States History & Upper Division Non-U.S. History \\
\hline \begin{tabular}{l} 
HST 306: Studies in United States History \\
\((\) (HU or SB) \& H)
\end{tabular} & \begin{tabular}{l} 
HST 302: Introduction to Peace Studies ((HU \\
or SB) \& G \& H)
\end{tabular} \\
\hline HST 313: American Cultural History to 1865 & HST 303: Studies in Asian History (SB \& H) \\
(SB \& H) & \begin{tabular}{l} 
HST 304: Studies in European History (SB \& \\
HST 314: American Cultural History Since
\end{tabular} \\
\begin{tabular}{ll} 
H65 ((HU or SB) \& H)
\end{tabular} & \begin{tabular}{l} 
HST 305: Studies in Latin American History \\
(SB \& H)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline HST 315: Political History of the & HST 307: Studies in African History (H) \\
\hline H) & \multirow[t]{2}{*}{HST 309: Exploration and Empire ((L or HU) \& H)} \\
\hline HST 316: 20th-Century U.S. Foreign & \\
\hline Relations (SB \& H) & \multirow[t]{2}{*}{HST 326: The Global History of the Trans-Atlantic Slave Trade (SB \& H)} \\
\hline HST 31 & \\
\hline Conservatism & \multirow[t]{2}{*}{HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB \& H)} \\
\hline 318: History of Engineering ((L or SB) \& & \\
\hline G) & \multirow[t]{2}{*}{HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War} \\
\hline HST 320: U.S. Urban History since 1850 (SB & \\
\hline \& H & HST 348: Rome (SB \& H) \\
\hline HST 321: Constitutional History/US to 1865
\[
(\mathrm{SB} \& \mathrm{H})
\] & HST 349: Early Middle Ages ((HU or SB) \& H) \\
\hline HST 322: Constitutional History of the United States Since 1865 (H) & HST 350: Later Middle Ages ((HU or SB) \& H) \\
\hline HST 323: Historical Studies in Race, Crime, and the Law & HST 351: Renaissance Europe ((L or HU or SB) \& H) \\
\hline HST 325: Immigration and Ethnicity in the United States (SB \& H \& C) & HST 352: Europe's Reformations ((L or HU or
SB) \& H) \\
\hline HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H) & HST 353: Old Regime in Europe (SB \& H) \\
\hline HST 328: Women in U.S. History, 1880-1980 & HST 354: Revolutionary Europe (SB \& H) \\
\hline ((HU or SB) \& C \& & \multirow[t]{2}{*}{HST 355: Total War and the Crisis of Modernity (SB \& G \& H)} \\
\hline \multirow[t]{2}{*}{HST 329: Women in 20th-Century U.S. West ( \(\mathrm{H} \& \mathrm{C}\) )} & \\
\hline & HST 356: Europe since 1945 (SB \& G \& H) \\
\hline HST 331: Mexican American History to 1900 (SB \& H \& C) & HST 358: Jewish History from Antiquity to
\[
1492 \text { (SB \& H) }
\] \\
\hline HST 332: Mexican American History Since 1900 (SB \& H \& C) & HST 359: Jewish History from 1492 to 1948 (SB \& G \& H) \\
\hline HST 333: African American History to 1865 (SB \& H \& C) & HST 360: The Crusades: Religion \& Conflict in the Middle Ages (SB \& H) \\
\hline HST 334: African American History Since 1865 ((HU or SB) \& C \& H) & HST 361: Witchcraft and Heresy in Europe ((L or HU) \& H) \\
\hline HST 335: History of Black Women in America (SB \& H) & HST 362: Sex and Society in Classical and Medieval Europe (SB \& H) \\
\hline HST 337: American Indian History to 1900 ((HU or SB) \& C \& H) & HST 363: Sex and Society in Early Modern Europe ((HU or SB) \& H) \\
\hline HST 338: American Indian History since 1900 ((HU or SB) \& C \& H) & HST 364: Sex and Society in Modern Europe ((L or SB) \& H) \\
\hline HST 340: American Military History (SB \& H) & HST 365: World Wars I and II: Europe's Eastern Front \\
\hline HST 341: U.S. West 19th Century (SB \& H) & HST 366: England to 1689 (SB \& H) \\
\hline HST 342: U.S. West 20th Century (SB \& H) & HST 367: Modern Britain (SB \& H) \\
\hline HST 343: American Southwest ((L or SB) \& H) & HST 368: Culture and Imagination in European History (HU \& H) \\
\hline
\end{tabular}



\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.50 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ - Social-Behavioral Sciences (SB) \\ Total Community College Hrs: 64 maximum \\ - Natural Science - Quantitative (SQ) \\ Total College Residency Hrs: 12 minimum \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Integrated Studies, BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAISTBA

Students may not be admitted directly to the BS in Integrated Studies. This degree program is only for students who have earned at least 32 graded hours at ASU, who have a cumulative gpa of 3.25 , and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs to discuss the possibility of being allowed to pursue this opportunity. Please call 480-965-6506 to schedule an appointment.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

LIA 101: Student Success in the College of Liberal Arts and Sciences 1
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 equivalent), including American Sign Language IV.

Mathematics (MA)
Social-Behavioral Sciences (SB)
3
3
Minimum 3.25 GPA ASU Cumulative.
Term hours subtotal:
14

Term 214-29 Credit Hours Critical course signified by


\section*{Hours Minimum Grade}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@asu

ENG 101: First-Year Composition or ENG 102: First-YearComposition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV

Computer/Statistics/Quantitative Applications (CS)
3
Humanities, Arts and Design (HU) AND Historical Awareness (H) 3
Elective
2
Minimum 3.25 GPA ASU Cumulative.
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 3-43 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 equivalent), including American Sign Language IV.
Natural Science - Quantitative (SQ) 4
Social-Behavioral Sciences (SB) AND Global Awareness (G) 3



Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.25 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Integrated Studies, BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAISTBS

Students may not be admitted directly to the BS in Integrated Studies. This degree program is only for students who have earned at least 32 graded hours at ASU, who have a cumulative gpa of 3.25 , and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs to discuss the possibility of being allowed to pursue this opportunity. Please call 480-965-6506 to schedule an appointment.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{ENG 101: First-Year Composition or ENG 102: First-Year}


Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

LIA 101: Student Success in the College of Liberal Arts and Sciences 1
Humanities, Arts and Design (HU) AND Historical Awareness (H) 3
Mathematics (MA) 3
Complete 2 courses:
Elective
6

Minimum 3.25 GPA ASU Cumulative.
Term hours subtotal:
Term 216-31 Credit Hours Critical course signified by


ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
Computer/Statistics/Quantitative Applications (CS) 3

Social-Behavioral Sciences (SB) AND Global Awareness (G) 3
Complete 2 courses: 6
Elective
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
1. Minimum 3.25 GPA ASU Cumulative.

Term hours subtotal:
15
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

\section*{Hide Course List(s)/Track Group(s)}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.25 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{International Letters and Cultures, BA}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LASLCBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline 9. SLC 201: Introduction to Linguistics (HU or SB) & 3 & C \\
\hline - Approved Selected Language Courses & 4-5 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline Mathematics (MA) ( MAT 142 recommended) & 3 & C \\
\hline Term hours subtotal: & 14-15 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement into mathematics course.
- ASU 101 or College Specific equivalent First Year Seminar required of all freshman students.
- Students in this major must be eligible to take a 200-level or above selected target language course in the first term.
- ASU Language Placement: Only true beginners are eligible for 101 level courses. Students with previous experience in the language are required to take a language placement test.
- Learn about intensive language courses.
- Engage in your language and culture area at ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \multirow[t]{11}{*}{\begin{tabular}{l}
- Start planning your study abroad experience. Learn about faculty directed summer programs offered through the School of International Letters and Cultures. \\
- Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major. \\
- Attend a Financing your Study Abroad Program Workshop. \\
- Select your career interest area and play me3@ASU
\end{tabular}} \\
\hline (1) SLC 202: Introduction to Literary and Cultural Theory & 3 & C & \\
\hline ¢. Approved Selected Language Courses & 4-5 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Milestone: Meet with a SILC advisor before the end of the term to seek guidance in writing personal statement. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Maintain 2.33 GPA in Major Courses. & & & \\
\hline Minimum 2.33 GPA ASU Cumulative. & & & \\
\hline Milestone: Minimum cumulative 3.0 GPA in primary target language courses. & & & \\
\hline Term hours subtotal: & 16-17 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{4}\) ) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1 Approved Selected Language Courses & 4-5 & C & \multirow[b]{3}{*}{- Explore your career interest area.
3555} \\
\hline Course from approved Program of Study & 3 & C & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & \\
\hline
\end{tabular}


- Attend a Career Services job fair or networking event.
- This degree program is intended for students who are already fairly competent in the language selected to study. \(\hat{\mathrm{A}}_{\dot{\prime}}\) The language selected by the student must be one offered by the School of International Letters and Cultures. \(\hat{A}_{i}\) Please see an academic advisor in SILC for approval of the language as well as the program of study which is tailored for individual students. \(\hat{A}_{i}\) Because of the nature of the degree program, students taking Romanian and Portuguese should be at least at the 313 level by the end of Term 1, and students taking Greek should be at least at the 301 level by the end of Term 1. A \({ }_{i}\) Students in all other languages should be at the 201 level by the end of term 1.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|}
\hline Approved Selected Language Courses & \multirow[t]{2}{*}{SLC 400-Level Required Culture Course Option} \\
\hline \begin{tabular}{l}
Option \\
ARB 201: Intermediate Arabic I (G) AND
\end{tabular} & \\
\hline ARB 202: Intermediate Arabic II (G) & SLC 414: French and Italian Popular Culture \\
\hline \begin{tabular}{l}
BCS 201: Intermediate Serbo-Croatian AND \\
BCS 202: Intermediate Serbo-Croatian
\end{tabular} & SLC 429: Studies in European Literature and Culture ((L or HU) \& G \& H) \\
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
CHI 201: Second-Year Chinese I (G) AND \\
CHI 202: Second-Year Chinese II (G) or CHI \\
210: Intensive Chinese II
\end{tabular}} & SLC 439: Art in Exile: VladÃ-mir VladÃ-mirovich Nabokov (HU \& L) \\
\hline & SLC 441: Fairy Tales (HU \& G) \\
\hline \begin{tabular}{l}
FRE 201: Intermediate French I (G) AND \\
FRE 202: Intermediate French II (G) or FRE 210: Intensive French II (G)
\end{tabular} & SLC 444: Heroes, Ancient and Modern (L or HU) \\
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
GER 201: Intermediate German (G) AND \\
GER 202: Intermediate German (G) or GER 210: Intensive German II (G)
\end{tabular}} & SLC 445: The Holocaust in German-Mediated Memory \\
\hline & SLC 446: Weimar-Era German Film \\
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
GRK 301: Ancient Greek Literature I (HU) \\
AND GRK 302: Ancient Greek Literature II (HU)
\end{tabular}} & SLC 447: German Modernism \\
\hline & SLC 450: Experimental Narrative \\
\hline \begin{tabular}{l}
HEB 201: Intermediate Modern Hebrew (G) \\
AND HEB 202: Intermediate Modern Hebrew \\
(G)
\end{tabular} & SLC 451: Chinese Cultural History I ((HU or SB) \& H) \\
\hline HEB 231: Biblical Hebrew III AND HEB 232: Biblical Hebrew IV & SLC 452: Chinese Cultural History II (SB \& G \& H) \\
\hline HIN 294: Intermediate Hindi I AND HIN 294: Intermediate Hindi II & SLC 455: Multi-Kulti: Multiculturalism Through Film (G) \\
\hline \begin{tabular}{l}
IDN 201: Intermediate Indonesian I (G) AND \\
IDN 202: Intermediate Indonesian II (G)
\end{tabular} & SLC 457: Premodern Korea in a Global Context \\
\hline \multirow[t]{2}{*}{ITA 201: Intermediate Italian I (G) AND ITA 202: Intermediate Italian II (G) or ITA 210: Intensive Italian II (G)} & SLC 465: Intercultural Communicative Competence \\
\hline & SLC 475: Latin American Film ((L or HU) \& G) \\
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
JPN 201: Second-Year Japanese I (G) AND \\
JPN 202: Second-Year Japanese II (G) or JPN \\
210: Intensive Japanese II
\end{tabular}} & SLC 491: Asian Popular Culture \\
\hline & SLC 491: Crossing Languages and Cultures Academic Catalog Archive 2018-2019 \\
\hline
\end{tabular}
```

KOR 201: Second-Year Korean I (G) AND
KOR 202: Second-Year Korean II (G)

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SLC 491: Paris \& Florence in the Middle Ages (1100-1500)

SLC 494: Special Topics
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LAT 201: Intermediate Latin I (HU) AND
LAT 202: Intermediate Latin II (HU)
PLC 201: Intermediate Polish AND PLC 202:
Intermediate Polish
POR 313: Portuguese Composition and
Conversation (G) AND POR 314: Portuguese
Composition and Conversation (G)
ROM 313: Romanian Composition and Conversation AND ROM 314: Romanian Composition and Conversation
RUS 201: Intermediate Russian I (G) AND
RUS 202: Intermediate Russian II (G)
SPA 201: Intermediate Spanish (G) AND SPA
202: Intermediate Spanish (G) or SPA 210:
Intensive Spanish II (G)
VTN 201: Intermediate Vietnamese I (G)
AND VTN 202: Intermediate Vietnamese II (G)

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\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

International Letters and Cultures (Arabic Studies), BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LASLCASBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ARB 101: Elementary Arabic I & 4 & C \\
\hline SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College specific First Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible to take 101-level language courses. Students with previous experience in the language are required to take a placement test.
- Engage in Arabic at ASU.

\begin{tabular}{|c|c|c|c|}
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Hide Course List(s)/Track Group(s)
Concentration Electives Related Area Courses

SLC 400-Level Required Culture Course Option


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{International Letters and Cultures (Classical Civilization), BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LASLCVBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline 4. SLC 201: Introduction to Linguistics (HU or SB) & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline Mathematics (MA) ( MAT 142 recommended) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with experience in the language must take a placement exam.
- Learn about Intensive Language courses at ASU.
- Explore your career interest area.
- Engage in the Classics at ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Start planning your study abroad experience. Learn about ASU Study \\
\hline \begin{tabular}{l}
SLC 221: Survey of Ancient Greek Literature (HU) OR SLC 222: \\
Survey of Roman Literature (HU) OR SLC 223: Introduction to Greek and Roman Mythology (HU)
\end{tabular} & 3 & C & - Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \begin{tabular}{l}
your major. \\
- Attend a Financing Your Study Abroad Program workshop.
\end{tabular} \\
\hline Cultural Diversity in the U.S. (C) & 3 & & - SLC 221, 222, and 223 are not required to \\
\hline Historical Awareness (H) & 3 & & - Select your career interest area and play \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & me3@ASU \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-46 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1. SLC 202: Introduction to Literary and Cultural Theory & 3 & C & holarsh \\
\hline \begin{tabular}{l}
SLC 221: Survey of Ancient Greek Literature (HU) OR SLC 222: \\
Survey of Roman Literature (HU) OR SLC 223: Introduction to Greek and Roman Mythology (HU)
\end{tabular} & 3 & C & \begin{tabular}{l}
and awards and explore your career interest area. \\
- SLC 221, 222, and 223 are not required
\end{tabular} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & to be taken in sequence. \\
\hline Complete 2 courses: Elective & 6 & & \\
\hline
\end{tabular}

Complete Mathematics (MA) requirement.
Complete First-Year Composition requirement.
Term hours subtotal: \(\quad 16\)
\begin{tabular}{|c|c|c|c|}
\hline Term 446-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SLC 221: Survey of Ancient Greek Literature (HU) OR SLC 222: Survey of Roman Literature (HU) OR SLC 223: Introduction to Greek and Roman Mythology (HU) & 3 & C & \begin{tabular}{l}
- Meet with a School of International \\
Letters and Cultures academic advisor to discuss the best study abroad options for
\end{tabular} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & your major. \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB \& H) OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire & 3 & C & - Explore your career interest area. \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB \& H) OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire


Complete 2 courses:
Upper Division Culture Courses
Upper Division Elective 6 3

Elective
3Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

HST 346: Ancient Greece II: Late Classical and Hellenistic Period (SB \& H) OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire

SLC 491: Crossing Languages and Cultures OR 4** SLC Required Culture Course Option 3 C

Upper Division Literacy and Critical Inquiry (L) 3 Upper Division Elective OR SLC 484: Internship 3
Upper Division Elective
- Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
- Visit the Office of National Scholarship Advisement to learn more about National scholarships, fellowships and research opportunities.
- Use Handshake to research employment opportunities
- Build your skills.
\(\begin{array}{l}\text { Term } 8 \text { 105-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- Contact a School of International Letters and Sciences academic advisor for additional Culture Course options.
- SLC 494 language and/or translation courses may not be used for the SLC 400-Level Required Course Option.
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Culture Courses & SLC 400-Level Required Culture Course \\
\hline \multicolumn{2}{|l|}{APH 313: History of Architecture I ((L or HU) Option} \\
\hline \& G \& H) & SLC 414: French and Italian Popular Culture \\
\hline ARS 402: Art of Ancient Egypt (HU \& H) & SLC 429: Studies in European Literature and \\
\hline \multicolumn{2}{|l|}{ARS 404: Greek Art (HU \& H)} \\
\hline ARS 406: Roman Art (HU \& H) & \begin{tabular}{l}
SLC 439: Art in Exile: VladÃ-mir \\
VladÃ-mirovich Nabokov (HU \& L)
\end{tabular} \\
\hline ARS 410: Early Christian and Byzantine Art (HU) & SLC 441: Fairy Tales (HU \& G) \\
\hline ASB 330: Understanding Archaeology (SB) & SLC 444: Heroes, Ancient and Modern (L or HU) \\
\hline ENG 303: Classical Backgrounds of English Literature (HU) & SLC 445: The Holocaust in German-Mediated Memory \\
\hline HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War & SLC 446: Weimar-Era German Film \\
\hline HST 348: Rome (SB \& H) & SLC 447: German Modernism \\
\hline HST 349: Early Middle Ages ((HU or SB) \& & SLC 450: Experimental Narrative \\
\hline H) & SLC 451: Chinese Cultural History I ((HU or SB) \& H) \\
\hline HST 362: Sex and Society in Classical and Medieval Europe (SB \& H) & \multirow[t]{2}{*}{SLC 452: Chinese Cultural History II (SB \& G \& H)} \\
\hline \multirow[t]{2}{*}{HST 373: Roman History I: Foundations and Republic} & \\
\hline & \multirow[t]{2}{*}{SLC 455: Multi-Kulti: Multiculturalism Through Film (G)} \\
\hline \multirow[t]{2}{*}{HST 374: Roman History II: The Roman Empire} & \\
\hline & \multirow[t]{2}{*}{SLC 457: Premodern Korea in a Global Context} \\
\hline \multirow[t]{2}{*}{HST 495: Politics in the Ancient Greek World (L)} & \\
\hline & \multirow[t]{2}{*}{SLC 465: Intercultural Communicative Competence} \\
\hline LAT 421: Roman Literature (HU) & \\
\hline 328: History of Ancient Philosophy (HU \& H) & SLC 475: Latin American Film ((L or HU) \& G) \\
\hline & SLC 491: Asian Popular Culture \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{POS 340: History of Political Philosophy I ( \(\mathrm{HU} \& \mathrm{H}\) )} & SLC 491: Crossing Languages and Cultures \\
\hline & \multirow[t]{2}{*}{SLC 491: Paris \& Florence in the Middle Ages (1100-1500)} \\
\hline \multirow[t]{2}{*}{REL 315: Hebrew Bible (Old Testament) ((L or HU) \& H)} & \\
\hline & SLC 494: Special Topics \\
\hline \multirow[t]{2}{*}{REL 316: Literary Readings of the Hebrew Bible (L or HU)} & \\
\hline & \\
\hline REL 371: New Testament (HU) & \\
\hline REL 375: Lost Scriptures, Lost Christianities (HU) & \\
\hline REL 396: Women in the Bible & \\
\hline SLC 344: Classics and Comics & \\
\hline SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War & \\
\hline SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB \& H) & \\
\hline SLC 360: Greece and Rome at War & \\
\hline SLC 361: Roman Religion (HU) & \\
\hline SLC 362: Ancient Greek Religion & \\
\hline \multirow[t]{2}{*}{SLC 373: Roman History I: Foundations and Republic} & \\
\hline & \\
\hline \multirow[t]{2}{*}{SLC 374: Roman History II: The Roman Empire} & \\
\hline & \\
\hline SLC 444: Heroes, Ancient and Modern (L or HU) & \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{International Letters and Cultures (Classics) - Greek, BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LASLCCBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 4. GRK 101: Elementary Ancient Greek & 4 & C \\
\hline 1. SLC 201: Introduction to Linguistics (HU or SB) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline Mathematics (MA) ( MAT 142 recommended) & 3 & C \\
\hline (1) Minimum 2.33 GPA ASU Cumulative. & & \\
\hline 4. Minimum 3.00 GPA in GRK. & & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. GRK 201: Intermediate Ancient Greek & 4 & C & \multirow{8}{*}{\begin{tabular}{l}
- Start planning your study abroad experience. Learn about faculty-directed summer study abroad programs offered through the School of International Letters and Cultures. \\
- Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major. \\
- Attend a Financing Your Study Abroad Program Workshop. \\
- Select your career interest area and play me3@ASU
\end{tabular}} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.33 GPA ASU Cumulative. & & & \\
\hline 4. Minimum 3.00 GPA in GRK. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-46 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 GRK 301: Ancient Greek Literature I (HU) & 3 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Students are required to take GRK 301 twice. \\
- Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
\end{tabular}} \\
\hline !. SLC 202: Introduction to Literary and Cultural Theory & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{4. Minimum 3.00 GPA in GRK.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline \multicolumn{3}{|r|}{Academic Catalog Archive 2018-2019} & 3568 \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline Upper Division Elective & & 3 \\
\hline Elective & & 3 \\
\hline & Term hours subtotal: & 13 \\
\hline
\end{tabular}
- - Students may choose Related Area courses from any of the track lists below. Contact a School of International Letters and Sciences academic advisor for additional Related Area Course options.
- SLC Language and/or translation courses may not be used for the SLC 400-Level Required Course Option.
\begin{tabular}{|c|c|}
\hline Related Area Courses & \multirow[t]{2}{*}{SLC 400-Level Required Culture Course Option} \\
\hline \multirow[t]{2}{*}{APH 300: World Architecture I/Western Cultures (HU \& H \& G)} & \\
\hline & SLC 414: French and Italian Popular Culture \\
\hline APH 313: History of Architecture I ((L or HU) \& G \& H) & SLC 429: Studies in European Literature and Culture ((L or HU) \& G \& H) \\
\hline ARS 101: Art from Prehistory Through Middle Ages (HU \& H) & \begin{tabular}{l}
SLC 439: Art in Exile: VladÃ-mir \\
VladÃ-mirovich Nabokov (HU \& L)
\end{tabular} \\
\hline ARS 402: Art of Ancient Egypt (HU \& H) & SLC 441: Fairy Tales (HU \& G) \\
\hline ARS 404: Greek Art (HU \& H) & SLC 444: Heroes, Ancient and Modern (L or \\
\hline ARS 406: Roman Art (HU \& H) & \\
\hline ARS 410: Early Christian and Byzantine Art (HU) & SLC 445: The Holocaust in German-Mediated Memory \\
\hline \multirow{2}{*}{ARS 504: Critical Approaches to Greek Art} & SLC 446: Weimar-Era German Film \\
\hline & SLC 447: German Modernism \\
\hline ASB 222: Buried Cities and Lost Tribes ((HU or SB) \& G \& H) & SLC 450: Experimental Narrative \\
\hline ASB 330: Understanding Archaeology (SB) & SLC 451: Chinese Cultural History I ((HU or \\
\hline ASB 525: Introduction to Material Culture & SB) \& H) \\
\hline ENG 303: Classical Backgrounds of English Literature (HU) & SLC 452: Chinese Cultural History II (SB \& G \& H) \\
\hline GRK 4** Elective & SLC 455: Multi-Kulti: Multiculturalism Through Film (G) \\
\hline HPS 322: History of Science (HU \& H) & \multirow[t]{2}{*}{SLC 457: Premodern Korea in a Global Context} \\
\hline HST 348: Rome (SB \& H) & \\
\hline HST 349: Early Middle Ages ((HU or SB) \& H) & SLC 465: Intercultural Communicative Competence \\
\hline HST 350: Later Middle Ages ((HU or SB) \& H) & SLC 475: Latin American Film ((L or HU) \& G) \\
\hline \multirow[t]{2}{*}{HST 362: Sex and Society in Classical and Medieval Europe (SB \& H)} & SLC 491: Asian Popular Culture \\
\hline & SLC 491: Crossing Languages and Cultures \\
\hline LAT 4** Elective & \multirow[t]{2}{*}{SLC 491: Paris \& Florence in the Middle Ages
(1100-1500)} \\
\hline \multirow[t]{2}{*}{POS 340: History of Political Philosophy I ( \(\mathrm{HU} \& \mathrm{H}\) )} & \\
\hline & SLC 494: Special Topics \\
\hline & Academic Catalog Archive 2018-2019 \\
\hline
\end{tabular}

REL 203: Saints and Sinners: Explorations in Sacred Biography (HU \& H)

REL 310: Western Religious Traditions (HU \& H)

REL 315: Hebrew Bible (Old Testament) ((L or HU) \& H)

REL 316: Literary Readings of the Hebrew Bible (L or HU)

REL 371: New Testament (HU)
REL 372: Formation of the Christian Tradition ( \(\mathrm{HU} \& \mathrm{H}\) )

REL 375: Lost Scriptures, Lost Christianities (HU)

REL 382: Magick, Religion and Science (L or \(\mathrm{HU})\)

SLC 142: Ancient Greek Civilization (HU \& H)

SLC 144: The Ancient Mediterranean
SLC 221: Survey of Ancient Greek Literature (HU)

SLC 222: Survey of Roman Literature (HU)
SLC 223: Introduction to Greek and Roman Mythology (HU)

SLC 344: Classics and Comics
SLC 360: Greece and Rome at War
SLC 361: Roman Religion (HU)
SLC 362: Ancient Greek Religion
SLC 373: Roman History I: Foundations and Republic

SLC 374: Roman History II: The Roman Empire

SLC 444: Heroes, Ancient and Modern (L or \(\mathrm{HU})\)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
\begin{tabular}{ll} 
Major GPA: 2.00 minimum & \(\bullet\) Literacy and Critical Inquiry (L) \\
Cumulative GPA: 2.00 minimum & \(\bullet\) Mathematical Studies (MA) \\
Total hrs at ASU: 30 minimum & \(\bullet\) Computer/Statistics/Quantitative Applications (CS) \\
Hrs Resident Credit for & \(\bullet\) Humanities, Arts and Design (HU) \\
Academic Recognition: 56 minimum & \(\bullet\) Social-Behavioral Sciences (SB) \\
Total Community College Hrs: 64 maximum & \(\bullet\) Natural Science - Quantitative (SQ) \\
Total College Residency Hrs: 12 minimum & \(\bullet\) Natural Science - General (SG)
\end{tabular}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

International Letters and Cultures (Classics) - Latin, BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LASLCCBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4. SLC 201: Introduction to Linguistics (HU or SB) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline LAT 101: Elementary Latin & 4 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & - ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
\hline Mathematics (MA) ( MAT 142 recommended) & 3 & C & - ASU Language Placement: Only true \\
\hline Minimum 2.33 GPA ASU Cumulative. & & & beginners are eligible for 101-level courses. \\
\hline Minimum 3.00 GPA in LAT. & & & Students with previous experience in the language are required to take a language \\
\hline Term hours subtotal: & 14 & & placement test. \\
\hline & & & \begin{tabular}{l}
- Engage in the Classics at ASU. \\
- Explore your interests.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Start planning your study abroad experience. Learn about Study Abroad faculty-directed programs offered through the ASU Study \\
\hline LAT 102: Elementary Latin & 4 & C & Abroad Office and the School of International \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & Letters and Cultures. \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & - Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major. \\
\hline Elective & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & me3@ASU \\
\hline 1. Minimum 3.00 GPA in LAT. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-46 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline LAT 201: Intermediate Latin I (HU) & 4 & C & \multirow{8}{*}{\begin{tabular}{l}
- Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major. \\
- Attend a Financing Your Study Abroad Program Workshop.
\end{tabular}} \\
\hline Historical Awareness (H) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{\%. Minimum 3.00 GPA in LAT.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline & & Minimum & \\
\hline \multicolumn{3}{|r|}{Academic Catalog Archive 2018-2019} & 3573 \\
\hline
\end{tabular}

- - Students may choose related area courses from any of the three track groups. Contact a School of International Letters and Sciences academic advisor for additional Related Area Course options.
- SLC Language and/or translation courses may not be used for the SLC 400-Level Required Course Option.
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Related Area & SLC 400-Level Required Culture Course \\
\hline \multirow[t]{2}{*}{APH 300: World Architecture I/Western Cultures (HU \& H \& G)} & SLC 414: French and Italian Popular Culture \\
\hline & \multirow[t]{2}{*}{SLC 429: Studies in European Literature and Culture ((L or HU) \& G \& H)} \\
\hline \multirow[t]{2}{*}{APH 313: History of Architecture I ((L or HU) \& G \& H)} & \\
\hline & \multirow[b]{2}{*}{SLC 439: Art in Exile: VladÃ-mir} \\
\hline \multirow[t]{2}{*}{ARS 101: Art from Prehistory Through Middle Ages (HU \& H)} & \\
\hline & \\
\hline & SLC 441: Fairy Tales (HU \& G) \\
\hline ARS 402: Art of Ancient Egypt (HU \& H) & \multirow[b]{2}{*}{SLC 444: Heroes, Ancient and Modern (L or HU)} \\
\hline ARS 404: Greek Art (HU \& H) & \\
\hline ARS 406: Roman Art (HU \& H) & \multirow[t]{2}{*}{SLC 445: The Holocaust in German-Mediated Memory} \\
\hline \multirow[b]{2}{*}{ARS 410: Early Christian and Byzantine Art (HU)} & \\
\hline & SLC 446: Weimar-Era German Film \\
\hline ARS 504: Critical Approaches to Greek Art & SLC 447: German Modernism \\
\hline \multirow[t]{2}{*}{ASB 222: Buried Cities and Lost Tribes ((HU or SB) \& G \& H)} & SLC 450: Experimental Narrative \\
\hline & \multirow[t]{2}{*}{SLC 451: Chinese Cultural History I ((HU or SB) \& H)} \\
\hline ASB 330: Understanding Archaeology (SB) & \\
\hline ENG 303: Classical Backgrounds of English Literature (HU) & SLC 452: Chinese Cultural History II (SB \& G \& H) \\
\hline GRK Elective & SLC 455: Multi-Kulti: Multiculturalism \\
\hline HPS 322: History of Science (HU \& H) & Through Film (G) \\
\hline HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War & SLC 457: Premodern Korea in a Global Context \\
\hline HST 348: Rome (SB \& H) & SLC 465: Intercultural Communicative Competence \\
\hline HST 349: Early Middle Ages ((HU or SB) \& H) & SLC 475: Latin American Film ((L or HU) \& G) \\
\hline HST 350: Later Middle Ages ((HU or SB) \& H) & SLC 491: Asian Popular Culture \\
\hline \multirow[b]{2}{*}{HST 362: Sex and Society in Classical and Medieval Europe (SB \& H)} & SLC 491: Crossing Languages and Cultures \\
\hline & \multirow[t]{2}{*}{SLC 491: Paris \& Florence in the Middle Ages
\[
(1100-1500)
\]} \\
\hline \multirow[t]{2}{*}{HST 373: Roman History I: Foundations and Republic} & \\
\hline & SLC 494: Special Topics \\
\hline HST 374: Roman History II: The Roman Empire & \\
\hline
\end{tabular}

HST 495: Politics in the Ancient Greek World (L)

LAT Elective

LAT 421: Roman Literature (HU)

PHI 328: History of Ancient Philosophy (HU \& H)

POS 340: History of Political Philosophy I
( \(\mathrm{HU} \& \mathrm{H}\) )
REL 310: Western Religious Traditions (HU \& H)

REL 315: Hebrew Bible (Old Testament) ((L or HU) \& H)

REL 316: Literary Readings of the Hebrew Bible (L or HU)

REL 371: New Testament (HU)
REL 372: Formation of the Christian Tradition ( \(\mathrm{HU} \& \mathrm{H}\) )

REL 375: Lost Scriptures, Lost Christianities (HU)

REL 396: Women in the Bible

SLC 344: Classics and Comics
SLC 345: Ancient Greece I: Bronze Age through the Peloponnesian War

SLC 346: Ancient Greece II: Late Classical and Hellenistic Period (SB \& H)

SLC 360: Greece and Rome at War

SLC 361: Roman Religion (HU)
SLC 362: Ancient Greek Religion
SLC 373: Roman History I: Foundations and Republic

SLC 374: Roman History II: The Roman Empire

SLC 444: Heroes, Ancient and Modern (L or HU)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

Italian, BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAITABA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) SLC 201: Introduction to Linguistics (HU or SB) & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline ITA 101: Elementary Italian I (G) & 4-6 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & First-Year Seminar required of all freshman students. \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test. \\
- Learn about Italian language intensive courses. \\
- Engage in Italian at ASU.
\end{tabular}} \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 14-16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Start planning your study abroad experience. Attend a Financing Your Study Abroad Program Workshop \\
- Learn about faculty-directed Global Intensive Experience abroad, Food and Culture: The Mediterranean Lifestyle in Italy, and summer abroad Italian Language and Culture in San Severino Marche. \\
- Select your career interest area and play me3@ASU
\end{tabular}} \\
\hline ITA 102: Elementary Italian II (G) & 4-6 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline \begin{tabular}{l}
Humanities, Arts and Design (HU) AND Historical Awareness \\
(H)
\end{tabular} & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{(1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 16-18 & & \\
\hline Term 330-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4. ITA 201: Intermediate Italian I (G) & 4 & C & \multirow{8}{*}{\begin{tabular}{l}
- Meet with a School of International Letters and Cultures academic advisor to learn about internship opportunities in Italian and to discuss the best study abroad options for your major. \\
- Learn about scholarship opportunities for language and culture majors. \\
- Explore your Career interest area
\end{tabular}} \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 3 & & \\
\hline (4) Complete First-Year Composition requirement. & & & \\
\hline \multicolumn{3}{|l|}{(1) Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{Maintain 2.33 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline & & Minimum & \\
\hline Academic Catalo & Archive & 18-2019 & 3578 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 44-61 Credit Hours Critical course signified by \({ }^{\text {4 }}\) - H & Hours & Grade & Notes \\
\hline 4. ITA 202: Intermediate Italian II (G) & 4 & C & \multirow{7}{*}{\begin{tabular}{l}
- Meet with a School of International Letters and Cultures academic advisor or Italian faculty member to learn about internship opportunities in Italian and to discuss the best study abroad options for your major. \\
- Many upper division elective courses have prerequisites which my be taken as electives in earlier semesters.
\end{tabular}} \\
\hline (1. SLC 202: Introduction to Literary and Cultural Theory & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.33 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline IT ITA 311: Speak Italy: Language, People, Culture (G) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Learn about national scholarships, fellowships and research opportunities. \\
- Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters.
\end{tabular}} \\
\hline \begin{tabular}{l}
ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU \& G) \\
OR ITA 321: Italian Renaissance Culture: Politicians, Merchants, \\
Artists and Courtesans OR ITA 322: Modern Italian Culture: \\
Explorers, Scientists, Musicians and Revolutionaries (HU)
\end{tabular} & 3 & C & \\
\hline ITA Upper Division Elective & 3 & C & \\
\hline \multicolumn{3}{|l|}{Elective 6} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 676-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ITA 312: Write Italy: Language, People, Culture (L \& G) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Learn about scholarships and awards for language and culture majors. \\
- Many upper division elective courses have prerequisites which my be taken as electives in earlier semesters. \\
- Attend an ASU Career Services workshop. \\
- Use Handshake to research employment opportunities
\end{tabular}} \\
\hline ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU \& G) OR ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans OR ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU) & 3 & C & \\
\hline ITA 420: Italian Cinema OR ITA 430: Italian Literature of the Middle Ages (HU) OR ITA 441: Dante: Divina Commedia (L or HU) OR ITA 4** Elective & A 3 & C & \\
\hline Upper Division Related Area Course & 3 & C & \\
\hline Elective & 4 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 792-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline FRE 101: Elementary French I (G) & 4 & & - Meet with a School of International \\
\hline ITA 413: Advanced Italian (G) & 3 & C & Letters and Cultures academic advisor to \\
\hline ITA 420: Italian Cinema OR ITA 430: Italian Literature of the Middle Ages (HU) OR ITA 441: Dante: Divina Commedia (L or HU) OR ITA 4** Elective & 3 & C & learn about internship and career opportunities in Italian. \\
\hline Upper Division Elective OR ITA 484: Internship & 3 & & \\
\hline Term hours subtotal: & 13 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ITA 315: Italian Culture: The Good, The Bad and The Ugly (HU \& G) OR ITA 321: Italian Renaissance Culture: Politicians, Merchants, Artists and Courtesans OR ITA 322: Modern Italian Culture: Explorers, Scientists, Musicians and Revolutionaries (HU)

ITA 420: Italian Cinema OR ITA 430: Italian Literature of the Middle Ages (HU) OR ITA 441: Dante: Divina Commedia (L or HU) OR ITA 4** Elective
\begin{tabular}{|c|c|c|}
\hline 4** SLC Required Culture Course Option & 3 & C \\
\hline Upper Division Elective OR ITA 484: Internship & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline
\end{tabular}
- Meet with a School of International Letters and Cultures academic advisor to learn about internship and career opportunities in Italian.
- Attend an ASU Career Services workshop or job fair.
- SLC Language and/or translation courses may not be used to satisfy the SLC 400-Level Required Course Option. The Italian major may take only 6 hours of ITA courses taught in English.
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Related Area Course & \multirow[t]{2}{*}{SLC 400-Level Required Culture Course Option} \\
\hline ARS 310: The Renaissance in T & \\
\hline & SLC 414: French and Italian Popular Culture \\
\hline ARS 410: Early Christian and Byzantine Art (HU) & \multirow[t]{2}{*}{SLC 429: Studies in European Literature and Culture ((L or HU) \& G \& H)} \\
\hline ARS 412: Early Medieval Art (HU) & \\
\hline ARS 414: Monasteries, Madonnas and Manuscripts (HU \& H) & \begin{tabular}{l}
SLC 439: Art in Exile: VladÃ-mir \\
VladÃ-mirovich Nabokov (HU \& L)
\end{tabular} \\
\hline ARS 416: Gothic Art (HU \& H) & SLC 441: Fairy Tales (HU \& G) \\
\hline ARS 424: Italian Baroque Art (HU \& H) & SLC 444: Heroes, Ancient and Modern (L or HU) \\
\hline ARS 434: Revolution to Realism in 19th-Century Art (HU) & SLC 445: The Holocaust in German-Mediated Memory \\
\hline ARS 436: The Artist, War, and Revolution (Versailles to Vietnam) (HU) & SLC 446: Weimar-Era German Film \\
\hline ARS 438: Art of the 20th Century I (HU \& H) & SLC 447: German Modernism \\
\hline ARS 439: Art of the 20th Century II (HU \& & SLC 450: Experimental Narrative \\
\hline H) & \multirow[t]{2}{*}{SLC 451: Chinese Cultural History I ((HU or SB) \& H)} \\
\hline COM 371: Language, Culture, and & \\
\hline Communication (SB \& C \& G) & \multirow[t]{2}{*}{SLC 452: Chinese Cultural History II (SB \& G \& H)} \\
\hline FMP 404: World Cinema (G) & \\
\hline GCU 325: Geography of Europe (SB \& G) & SLC 455: Multi-Kulti: Multiculturalism Through Film (G) \\
\hline GCU 359: Cities of the World I (SB \& G \& H) & \multirow[t]{2}{*}{SLC 457: Premodern Korea in a Global Context} \\
\hline GCU 360: Cities of the World II (SB \& G) & \\
\hline HST 349: Early Middle Ages ((HU or SB) \& H) & SLC 465: Intercultural Communicative Competence \\
\hline HST 350: Later Middle Ages ((HU or SB) \& H) & SLC 475: Latin American Film ((L or HU) \& G) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline HST 351: Renaissance Europe ((L or HU or & SLC 491: Asian Popular Culture \\
\hline SB) \& H) & and \\
\hline HST 352: Europe's Reformations ((L or HU or SB) \& H) & SLC 491: Paris \& Florence in the Middle Ages
(1100-1500) \\
\hline HST 356: Europe since 1945 (SB \& G \& H) & SLC 494: Special Topics \\
\hline HST 360: The Crusades: Religion \& Conflict in the Middle Ages (SB \& H) & \\
\hline HST 361: Witchcraft and Heresy in Europe ( L or HU ) \& H) & \\
\hline HST 362: Sex and Society in Classical and Medieval Europe (SB \& H) & \\
\hline HST 363: Sex and Society in Early Modern Europe ((HU or SB) \& H) & \\
\hline HST 364: Sex and Society in Modern Europe
\[
((\mathrm{L} \text { or } \mathrm{SB}) \& \mathrm{H})
\] & \\
\hline HST 365: World Wars I and II: Europe's Eastern Front & \\
\hline HST 368: Culture and Imagination in European History (HU \& H) & \\
\hline HST 465: Women in Europe, 1750 to Present ((HU or SB) \& H) & \\
\hline JUS 415: Gender and International Development (L \& G) & \\
\hline POS 356: European Union (SB \& G) & \\
\hline POS 360: World Politics (SB \& G) & \\
\hline POS 486: International Political Economy (SB \& G) & \\
\hline REL 372: Formation of the Christian Tradition (HU \& H) & \\
\hline REL 385: Contemporary Western Religious Thought (HU) & \\
\hline REL 470: Religion in the Middle Ages (HU \& H) & \\
\hline REL 471: Reformation and Modern Christianity (HU \& H) & \\
\hline SGS 360: Cultural Aspects of Globalization & \\
\hline SLC 323: Russian Literature and Revolution: The Twentieth Century ((L or HU) \& G) & \\
\hline SLC 373: Roman History I: Foundations and Republic & \\
\hline SLC 374: Roman History II: The Roman Empire & \\
\hline SLC 429: Societies and Culture in Modern Europe ((L or HU) \& G \& H) & \\
\hline
\end{tabular}

SLC 429: Studies in European Literature and Culture ((L or HU) \& G \& H)

SLC 439: Art in Exile: VladÃ-mir
VladÃ-mirovich Nabokov (HU \& L)
SLC 445: The Holocaust in German-Mediated Memory

SLC 446: Weimar-Era German Film
SLC 447: German Modernism
SLC 455: Multi-Kulti: Multiculturalism
Through Film (G)
SLC 465: Intercultural Communicative
Competence
SLC 491: Crossing Languages and Cultures
SLC 491: Paris \& Florence in the Middle Ages (1100-1500)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Jewish Studies, BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAJSTBA
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Elective & 2 & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman students
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.
- Students completing Biblical Hebrew will need 4 extra elective hours to reach the 120 required for graduation.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-30 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Many General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study. \\
- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural
\end{tabular}} \\
\hline Second Language: Requirement satisfied through the following: * Completion of Modern Hebrew, Biblical Hebrew, Arabic, German, or Spanish at the intermediate level (202 or equivalent). & 4 & C & \\
\hline Natural Science - Quantitative (SQ) & \multicolumn{2}{|l|}{4} & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & \multicolumn{2}{|l|}{3} & \begin{tabular}{l}
Diversity ( C ) requirement is recommended. \\
- Join a student club or professional organization.
\end{tabular} \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \multirow[t]{2}{*}{- If interested in law school, review Pre-Law} \\
\hline Term hours subt & 14 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 3 30-46 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline JST 210: Introduction to Judaism (HU \& H) or REL 210: Introduction to Judaism (HU \& H) OR HST 230: Introduction to Jewish Civilization (HU \& H \& G) or JST 230: Introduction to Jewish Civilization (HU \& H \& G) or REL 230: Introduction to Jewish Civilization (HU \& H \& G) & 3 & C \\
\hline Related Area Course & 3 & C \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline Upper Division Course Outside Primary Concentration & 3 & C \\
\hline Upper Division Related Area Course & 3 & C \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline Maintain 2.50 GPA in Major Courses. & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Use Handshake to research employment opportunities.
- Attend career fairs, workshops and related events offered by Career and Professional Development Services.


Term hours subtotal: 15
- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.

Students must choose one of the three concentrations as the primary concentration and take 15 hours of course work from that concentration. For the 9 hours outside of primary concentration, students may select from courses in the other two concentration areas.

Hide Course List(s)/Track Group(s)

\section*{History and Society Concentration \\ HEB 375: Contemporary Culture of Israel ( \(\mathrm{HU} \& \mathrm{G}\) )}

HST 357: Historical Perspectives on Philosophy and Religion or PHI 391: Historical Perspectives on Philosophy and Religion or REL 391: Historical Perspectives on Philosophy and Religion

HST 358: Jewish History from Antiquity to 1492 (SB \& H)

HST 359: Jewish History from 1492 to 1948 (SB \& G \& H)

HST 372: Modern Middle East (SB \& G \& H)
JST 210: Introduction to Judaism ((L or HU) \& H) or REL 210: Introduction to Judaism ((L or HU) \& H)

JST 211: Jews and Judaism in America (SB \& H) or HST 211: Jews and Judaism in America (SB \& H) or REL 211: Jews and Judaism in America (SB \& H)

Literature and Culture Concentration
ENG 356: The Bible as Literature (HU)
HEB 349: Israeli Wars in Israeli Movies (HU \& G)

HEB 375: Contemporary Culture of Israel (HU \& G)

JST 210: Introduction to Judaism ( \(\mathrm{HU} \& \mathrm{H}\) ) or REL 210: Introduction to Judaism (HU \& H)

JST 211: Jews and Judaism in America (SB \& H) or HST 211: Jews and Judaism in America (SB \& H) or REL 211: Jews and Judaism in America (SB \& H)

JST 230: Introduction to Jewish Civilization (HU \& H \& G) or HST 230: Introduction to Jewish Civilization (HU \& H \& G) or REL 230: Introduction to Jewish Civilization (HU \& H \& G)

JST 314: Jewish Philosophy or HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy or REL 314: Jewish Philosophy

Religion and Thought Concentration
HEB 375: Contemporary Culture of Israel (HU \& G)

HST 314: American Cultural History Since 1865 ((HU or SB) \& H)

HST 357: Historical Perspectives on Philosophy and Religion or PHI 391: Historical Perspectives on Philosophy and Religion or REL 391: Historical Perspectives on Philosophy and Religion

JST 210: Introduction to Judaism (HU \& H) or REL 210: Introduction to Judaism (HU \& H)

JST 211: Jews and Judaism in America (SB \& H) or HST 211: Jews and Judaism in America (SB \& H) or REL 211: Jews and Judaism in America (SB \& H)

JST 314: Jewish Philosophy or HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy or REL 314: Jewish Philosophy

JST 230: Introduction to Jewish Civilization (HU \& H \& G) or HST 230: Introduction to Jewish Civilization (HU \& H \& G) or REL 230: Introduction to Jewish Civilization (HU \& H \& G)

JST 304: Jews and Christians in the Middle Ages (SB \& H) or HST 304: Jews and Christians in the Middle Ages (SB \& H)

JST 318: Contemporary American Jewish Identities ((HU or SB) \& C) or REL 318: Contemporary American Jewish Identities ((HU or SB) \& C) or SOC 375: Contemporary American Jewish Identities ((HU or SB) \& C)

JST 348: Israeli Society and Culture (HU \& G) or HEB 348: Israeli Society and Culture (HU \& G) or REL 311: Israeli Society and Culture (HU \& G) or SLC 348: Israeli Society and Culture (HU \& G)

JST 369: History and Memory of the Holocaust or HST 369: History and Memory of the Holocaust or REL 312: History and Memory of the Holocaust

JST 490: History and Memory in Jewish Tradition (L)

JST 491: History of Antisemitism

JUS 452: Justice Issues in Israel and Palestine: The Political is Personal

REL 386: America and the Holocaust (HU or SB)

REL 410: Judaism in Modern Times (HU \& H)

REL 486: Holocaust on Film or FMS 486: Holocaust on Film

STS 364: Science, Technology, and National Security (SB)

Related Area

\section*{ASB OR HST OR POS OR REL OR SGS OR SOC OR WST Elective}

AFR 200: Introduction to Africana Studies (SB \& G \& H)

AFR 301: Race and Racism in Africa/African Diaspora (SB \& G)

AFR 312: Contemporary African and African Diaspora Women

AFR 318: African and African Diaspora Women Writers (HU \& G)

JST 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU) or HEB 316: Literary Readings of the Hebrew Bible (L or HU) or REL 316: Literary Readings of the Hebrew Bible (L or HU)

JST 317: Introduction to Rabbinic Judaism (HU \& H) or REL 317: Introduction to Rabbinic Judaism (HU \& H)

JST 318: Contemporary American Jewish Identities ((HU or SB) \& C) or REL 318: Contemporary American Jewish Identities ((HU or SB) \& C) or SOC 375: Contemporary American Jewish Identities ((HU or SB) \& C)

JST 347: Modern Israeli Literature in Translation (HU \& G) or HEB 347: Modern Israeli Literature in Translation (HU \& G) or SLC 347: Modern Israeli Literature in Translation (HU \& G)

JST 384: The Bible and Archaeological Discoveries or REL 384: The Bible and Archaeological Discoveries

JST 396: Women in the Bible or REL 396: Women in the Bible

JST 445: The Holocaust in German-Mediated Memory or FMS 445: The Holocaust in German-Mediated Memory or GER 445: The Holocaust in German-Mediated Memory or SLC 445: The Holocaust in German-Mediated Memory

JST 496: Biblical Narratives: Literary Approaches

REL 313: Anti-Semitism in the Media or FMS 313: Anti-Semitism in the Media

JST 315: Hebrew Bible (Old Testament) ((L or HU) \& H) or REL 315: Hebrew Bible (Old Testament) ((L or HU) \& H)

JST 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU) or HEB 316: Literary Readings of the Hebrew Bible (L or HU) or REL 316: Literary Readings of the Hebrew Bible (L or HU)

JST 317: Introduction to Rabbinic Judaism (HU \& H) or REL 317: Introduction to Rabbinic Judaism (HU \& H)

JST 318: Contemporary American Jewish Identities ((HU or SB) \& C) or REL 318: Contemporary American Jewish Identities ((HU or SB) \& C) or SOC 375: Contemporary American Jewish Identities (( HU or SB ) \& C)

JST 373: Women in Judaism or REL 373: Women in Judaism or WST 372: Women in Judaism

JST 411: Judaism and the Beginnings of Christianity or HEB 411: Judaism and the Beginnings of Christianity or REL 411: Judaism and the Beginnings of Christianity

JST 495: Judaism, Science and World Religions

REL 207: Ritual, Symbol, and Myth (L or \(\mathrm{HU})\)

REL 310: Western Religious Traditions (HU \& H)

REL 385: Contemporary Western Religious Thought (HU)

AFR 370: Family, Ethnic and Cultural
Diversity (SB \& C)

AFR 375: Race, Gender and Sport (SB \& C)
ARB 331: Arabic/Islamic Culture and Literature (HU \& H \& G)

ARB 335: Arabic Culture and Islam (G)

ARB 336: Introduction to the Qur'an

ARB 337: Hadith and Prophetic Tradition

ARB 341: Quran Text and Women (HU \& H)

ARB 351: Classical Arabic Literature

ARB 352: Modern Arabic Literature in Translation

CRJ 100: Introduction to Criminal Justice (SB)
ENG 305: Classical and Biblical Backgrounds to Literature

ENG 315: Medieval Literature in Translation (HU)

ENG 333: Magic Jews: Contemporary
American Jewish Fiction ((L or HU) \& C)

ENG 356: The Bible as Literature (HU)

ENG 364: Women and Literature (HU)

FMS 202: Religion and Popular Culture (HU \& C)

FMS 287: Topics in Film, Media, and Religion (HU \& G)

FMS 376: Virgin Mary in History, Film, and Culture (L or HU)

GCU 328: Geography of Middle East and North Africa (SB \& G)

GER 315: Germanic Mythology (HU \& G)
GER 415: German Civilization (HU \& H \& G)
GER 416: German Civilization (HU \& H \& G)
GER 421: German Literature Survey, 800-1800 (HU)

GER 422: German Literature Survey, 1800-Today (L or HU)

GER 431: German Humor
GER 441: Fairy Tales (HU \& G)
GER 453: German Literary Masterpieces on Film (HU \& H \& G)


\footnotetext{
SPA 425: Foundational Texts of Spain (HU)
}

SPA 426: Literature and Society in Modern Spain (HU)

SPA 427: Colonial and Postcolonial Latin American Literature (L or HU )

SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) \& G)

SPA 429: Writing Mexico: Major Texts ((L or HU) \& G)

SPA 431: Prose of Golden Age (L or HU)

SPA 434: Drama of the Golden Age SPA 435: Cervantes-Don Quijote ((L or HU) \& H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 464: Jait \(\tilde{A}^{3} n\) Works in Chicano/a
Literature ((HU or SB) \& C)
SPA 471: Civilization of the
Indohispanomexicano Southwest ((L or HU) \& C)

SPA 472: Latin American Society: Five Case Studies (HU \& H \& G)

SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) \& G) SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L \& C) SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala

SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C)

SSH 305: Poverty and Global Health ((L or SB) \& G)

THP 482: Theatre for Social Change (C)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
\begin{tabular}{ll} 
Major GPA: 2.50 minimum & \(\bullet\) Literacy and Critical Inquiry (L) \\
Cumulative GPA: 2.00 minimum & \(\bullet\) Mathematical Studies (MA) \\
Total hrs at ASU: 30 minimum & \(\bullet\) Computer/Statistics/Quantitative Applications (CS) \\
Hrs Resident Credit for & \(\bullet\) Humanities, Arts and Design (HU) \\
Academic Recognition: 56 minimum & \(\bullet\) Social-Behavioral Sciences (SB) \\
Total Community College Hrs: 64 maximum & \(\bullet\) Natural Science - Quantitative (SQ) \\
Total College Residency Hrs: 12 minimum & \(\bullet\) Natural Science - General (SG)
\end{tabular}

Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Justice Studies, BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAJUSBA
\begin{tabular}{|l|l|l|l|}
\hline Term 10-14 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

JUS 105: Introduction to Justice Studies (SB)
3
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\begin{tabular}{|c|c|c|}
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & \multicolumn{2}{|l|}{1} \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}

Minimum 2.00 GPA ASU Cumulative.
Term hours subtotal
14
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement into a mathematics course
- ASU 101 or College Specific equivalent First Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior hours earned.
- Select your career interest area and play me3@asu.edu
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: \\
First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Create a first draft resume \\
\hline JUS Elective & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays
(L) OR ENG 218: Writing About Literature (L or HU) OR ENG 301:

3 C

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV Computer/Statistics/Quantitative Applications (CS) 3 Natural Science - Quantitative (SQ) 4 Complete First-Year Composition requirement.



\begin{tabular}{|c|}
\hline JUS 3** Elective \\
\hline Upper Division Related Area Course \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) \\
\hline Elective OR JUS 484: Internship \\
\hline Minimum 2.00 GPA ASU Cumulative. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-106-120 Credit Hours Necessary course signified by & Hours & Grade & Notes \\
\hline \begin{tabular}{l}
\(\leadsto\) Complete 2 courses: \\
JUS 4** Elective
\end{tabular} & 6 & C & \\
\hline Upper Division Related Area Course & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 2 & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}
- All Justice Studies students must complete 12 upper division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below, as well as upper division courses from non-English language disciplines. No more than two courses can be used from a single discipline and at least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.


PSY Upper Division Elective
REL Upper Division Elective
SGS Upper Division Elective
SOC Upper Division Elective

SST Upper Division Elective
TCL Upper Division Elective

THE Upper Division Elective

WST Upper Division Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Justice Studies, BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAJUSBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) JUS 105: Introduction to Justice Studies (SB) & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement into a mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
- Select your career interest area and play me3@asu.edu
\end{tabular}} \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: 3 C First-Year Composition or ENG 108: First-Year Composition JUS Elective

3
Social-Behavioral Sciences (SB) AND Historical Awareness (H)
3
Complete 2 courses: Elective

\section*{6}

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Minimum 2.00 GPA ASU Cumulative.
Term hours subtotal:
15
Term 3 31-47 Credit Hours Critical course signified by \(9 \quad\) Hours \(\left.\begin{array}{c|c|c|}\hline \text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays
(L) OR ENG 218: Writing About Literature (L or HU) OR ENG 301:

3
C
Writing for the Professions (L)
CLAS Science and Society Elective
Humanities, Arts and Design (HU) AND Global Awareness (G) 3
Natural Science - Quantitative (SQ) 4
Elective 3
4. Complete First-Year Composition requirement.

4 Complete Mathematics (MA) requirement.
Minimum 2.00 GPA ASU Cumulative.

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

All Justice Studies students must complete 12 upper division (300-499) credit hours in a related area other than JUS courses. Courses may be chosen from a variety of disciplines, as shown below, as well as upper division courses from non-English language disciplines. No more than two courses can be used from a single discipline and at least one course must be chosen from one of the disciplines in the School of Social Transformation (AFR, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.
\begin{tabular}{|c|}
\hline Hide Course List(s)/Track Group(s) \\
\hline Related Area Courses \\
\hline AFR OR AFH OR AFS Upper Division Elective \\
\hline AIS Upper Division Elective \\
\hline APA Upper Division Elective \\
\hline ARS Upper Division Elective \\
\hline ASB Upper Division Elective \\
\hline ASM Upper Division Elective \\
\hline CDE Upper Division Elective \\
\hline COM Upper Division Elective \\
\hline CRJ Upper Division Elective \\
\hline ECN Upper Division Elective \\
\hline ENG Upper Division Elective \\
\hline FAS Upper Division Elective \\
\hline FMS Upper Division Elective \\
\hline GCU Upper Division Elective \\
\hline GPH Upper Division Elective \\
\hline HST Upper Division Elective \\
\hline IED Upper Division Elective \\
\hline MHL Upper Division Elective \\
\hline PHI Upper Division Elective \\
\hline POS Upper Division Elective \\
\hline PSY Upper Division Elective \\
\hline REL Upper Division Elective \\
\hline
\end{tabular}

SGS Upper Division Elective
SOC Upper Division Elective
SST Upper Division Elective
TCL Upper Division Elective

THE Upper Division Elective

WST Upper Division Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Justice Studies, BS}

School/College: College of Liberal Arts and Sciences
Location: Online
LAJUSBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1. JUS 105: Introduction to Justice Studies (SB) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or College specific equivalent First Year Seminar is required for all freshman students
\end{tabular}} \\
\hline ASU 101-UC: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 1-B 7-13 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- Select your career interest area and play me3@asu.edu. \\
- View ASU Online first-time freshmen registration information here.
\end{tabular}} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 13-20 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-B 20-26 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline JUS Elective & 3 & C & - Create a first draft resume \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 26-33 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 33-39 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

Complete First-Year Composition requirement.
\begin{tabular}{|c|c|c|c|}
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \multirow[b]{2}{*}{Notes} \\
\hline Term 4-A 39-45 Credit Hours Critical course signified by & Hours & Minimum Grade & \\
\hline \begin{tabular}{l}
ENG 215: Strategies of Academic Writing (L) OR ENG 216: \\
Persuasive Writing on Public Issues (L) OR ENG 301: Writing for the Professions (L)
\end{tabular} & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 45-51 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \multirow{4}{*}{- Explore an internship.} \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-A 51-57 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline JUS 303: Justice Theory (L) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 57-63 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline JUS 301: Research in Justice Studies (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% JUS 302: Statistical Analysis for Justice Studies (CS) & 3 & & \multirow[t]{4}{*}{- For JUS 3** Elective, students cannot use JUS 301, 302, 303, or 305.} \\
\hline JUS 3** Elective & 3 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § Upper Division Related Area Course & 3 & \(\ldots\) & \multirow[t]{4}{*}{\begin{tabular}{l}
- Gather professional references. \\
- Use Handshake to research employment opportunities
\end{tabular}} \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline §JUS 3** Elective & 3 & C & - For JUS 3** Elective, students cannot use \\
\hline Elective & 3 &  & JUS 301, 302, 303, or 305. \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B81-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline JUS 4** Elective & 3 & C & \multirow{4}{*}{- For JUS \(4^{* *}\) Elective, students cannot use JUS 484, 492, 498, or 499.} \\
\hline Upper Division Related Area Course & 3 & C & \\
\hline \multicolumn{3}{|l|}{Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § JUS 4** Elective & 3 & C & \multirow{3}{*}{- For JUS 4** Elective, students cannot use JUS 484, 492, 498, or 499.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8 - B 93-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Related Area Course & 3 & C & \multirow{4}{*}{- Apply for full-time career opportunities.} \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Minimum 2.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W JUS 4** Elective & 3 & C & \multirow{3}{*}{- For JUS 4** \(^{* *}\) Elective, students cannot use JUS 484, 492, 498, or 499.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Minimum 2.00 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Related Area Course & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 10-B 117-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}
of Social Transformation (AFR/AFH/AFR, APA, SST or WST). The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Mathematics, BA}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAMATBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Select your career interest area and play me3@ASU.

Term 3 30-45 Credit Hours Critical course signified by 1. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 45-61 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline \% MAT 300: Mathematical Structures (L) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program. \\
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. \\
- Develop your skills.
\end{tabular}} \\
\hline . MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline
\end{tabular}

Term hours subtotal:
16
Term 561-77 Credit Hours Necessary course signified by \(\quad\) Hours \(\left.\begin{array}{c|ccc}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
MAT 370: Intermediate Calculus OR MAT 371: Advanced
Calculus I
3 C
Complete 2 courses: \(\quad 6 \quad\) C
Related Field
-
Natural Science - Quantitative (SQ) OR Natural Science - General
(SG)
4
Upper Division Elective 3
Term hours subtotal: 16
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
Term 677 - 91 Credit Hours Necessary course signified by
Hours
Minimum
Grade

Term hours subtotal: 14
\begin{tabular}{|c|c|c|c|}
\hline Term 791-106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Additional Course in the Major (ACT, MAT or STP)
\end{tabular} & 6 & C & - Minimum grade of C required in all MAT and STP classes; grade of B or better \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & - Upper division MAT/STP courses should be taken through the Tempe campus, unless \\
\hline Complete 2 courses: & 6 & & approved by a SoMSS advisor. \\
\hline Upper Division Elective & & & - Meet with your academic advisor to discuss \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
post-graduation plans, e.g. graduate school, career preparation. \\
- Develop your professional online presence.
\end{tabular} \\
\hline
\end{tabular}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
- Meet with a career counselor from ASU Career Services for a review of your resume and interviewing tips for success.
- Use Handshake to research employment opportunities
- PHI 103 is recommended for the Literacy and Critical Inquiry (L) requirement.
- Minimum grade of C required in all MAT and STP classes; grade of B or better
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
- Meet with your academic advisor to discuss career preparation.
- Develop your professional online presence.
\begin{tabular}{|c|c|c|}
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Grade \\
\hline Upper Division Additional Course in the Major (ACT, MAT or STP) & 4 & C \\
\hline Additional Course in the Major (ACT, MAT or STP) & 2 & C \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Elective
\end{tabular} & 8 & \\
\hline
\end{tabular}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
- Meet with your academic advisor for final degree check and apply for graduation through your My ASU.

Hide Course List(s)/Track Group(s)
Additional Course in the Major (ACT, MAT
or STP)
ACT Upper Division Elective
MAT 243: Discrete Mathematical Structures
MAT 274: Elementary Differential Equations
(MA) or MAT 275: Modern Differential
Equations (MA)
MAT Upper Division Elective
STP 4** Elective
Related Field
ACT Upper Division Elective
AST Upper Division Elective
BCH 4** Elective
BME Upper Division Elective
CEE Upper Division Elective
CHE Elective
CHM 341: Elementary Physical Chemistry
Laboratory
CHM 343: Elementary Physical Chemistry
CHM 346: Physical Chemistry II
CHM 348: Physical Chemistry Laboratory I
(L)
(L)

CHM 349: Physical Chemistry Laboratory II (L)

CHM 453: Inorganic Chemistry CHM 460: Biological Chemistry

CHM 471: Solid-State Chemistry
CIS 2** Elective
CIS Upper Division Elective
CSE Elective
ECN Upper Division Elective
EEE Elective

FIN Upper Division Elective
GLG 418: Geophysics


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Mathematics, BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAMATBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline CSE 110: Principles of Programming with Java (CS) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Maintain 3.00 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- Meet with your academic advisor to reflect on your first year of classes and map your coursework towards a timely graduation. \\
- PHI 103 Principles of Sound Reasoning is recommended to satisfy the Literacy and Critical Inquiry (L) requirement. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline CSE 205: Object-Oriented Programming and Data Structures (CS) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline
\end{tabular}

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Maintain 3.00 GPA in Critical Tracking Courses.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-46 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline 1. MAT 272: Calculus with Analytic Geometry III (MA) & 4 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. \\
- PHY 121/PHY 122 and/or MSE 208 is recommended to satisfy the Natural Science Quantitative (SQ) requirement as they also satisfy Related Field requirements. \\
- Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU)
\end{tabular}} \\
\hline (1. MAT 275: Modern Differential Equations (MA) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Elective & 2 & & \\
\hline 1 Complete First-Year Composition requirement. & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline \multicolumn{3}{|l|}{Maintain 3.00 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 46-62 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. MAT 300: Mathematical Structures (L) & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline AAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra & 3 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Maintain 3.00 GPA in Critical Tracking Courses. & & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline MAT 371: Advanced Calculus I & 3 & C \\
\hline Upper Division CLAS Science and Society Elective & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Upper Division Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor.
- Completion of MAT 300 with a B or better by the end of this term is strongly correlated with success in this major and meets prerequisites to continue with MAT 371 in the next term.
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor
- MAT 275 highly recommended.
\begin{tabular}{|c|c|c|c|}
\hline Term 677-92 Credit Hours Necessary course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline I Additional Courses in the Major (ACT, MAT, STP) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. \\
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by a SoMSS advisor \\
- Develop your professional online presence.
\end{tabular}} \\
\hline W Upper Division Depth Course & 3 & C & \\
\hline Related Field & 3 & C & \\
\hline Upper Division Elective OR MAT 484: Internship & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline
\end{tabular}

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 792-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Additional Courses in the Major (ACT, MAT, STP) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. \\
- Upper division MAT/STP courses should be taken through the Tempe campus, unless approved by an academic advisor in the School of Mathematical and Statistical Sciences. \\
- Complete an in person or virtual practice interview.
\end{tabular}} \\
\hline Upper Division Advanced Courses & 3 & C & \\
\hline Upper Division Depth Course & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-107-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Advanced Courses & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. \\
- Upper division MAT/STP courses should be taken through the Tempe campus unless approved by a SoMSS advisor
\end{tabular}} \\
\hline Related Field & 4 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtota & 13 & & \\
\hline
\end{tabular}
- Meet with your academic advisor for final degree check and apply for graduation through your myASU.
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
Advanced Courses \\
MAT 410: Introduction to General Topology
\end{tabular}} & \multirow[t]{2}{*}{Additional Courses in the Major (ACT, MAT, or STP)} & Depth Courses \\
\hline & & MAT 415: Introduction to Combinatorics \\
\hline MAT 415: Introduction to Combinatorics & ACT 415: Probability for Risk Management & MAT 416: Introduction to Graph Theory \\
\hline MAT 416: Introduction to Graph Theory & ACT 430: Mathematics of Financial Derivatives & MAT 423: Numerical Analysis I (CS) \\
\hline MAT 420: Scientific Computing & MAT 243: Discrete Mathematical Structures & MAT 425: Numerical Analysis II (CS) \\
\hline \multirow[t]{2}{*}{MAT 421: Applied Computational Methods (CS)} & \multirow[t]{3}{*}{MAT 274: Elementary Differential Equations (MA) or MAT 275: Modern Differential Equations (MA)} & MAT 442: Advanced Linear Algebra \\
\hline & & MAT 444: Intermediate Abstract Algebra \\
\hline MAT 423: Numerical Analysis I (CS) & & \\
\hline MAT 425: Numerical Analysis II (CS) & MAT Upper Division Elective & MAT 472: Intermediate Real Analys \\
\hline \multirow[b]{2}{*}{MAT 440: Group Theory} & \multirow[t]{2}{*}{STP Upper Division Elective} & MAT 473: Intermediate Real Analysis II \\
\hline & & MAT 475: Differential Equations \\
\hline MAT 441: Ring Theory & & 476. P \\
\hline MAT 442: Advanced Linear Algebra & & \\
\hline \multirow[t]{2}{*}{MAT 443: Introduction to Abstract Algebra} & & STP 425: Stochastic Processes \\
\hline & & STP 427: Mathematical Statistics \\
\hline MAT 444: Intermediate Abstract Algebra & & \\
\hline MAT 445: Theory of Numbers & & \\
\hline MAT 447: Cryptography I & & \\
\hline MAT 448: Cryptography II & & \\
\hline MAT 451: Mathematical Modeling (CS) & & \\
\hline MAT 452: Introduction to Chaos and Nonlinear Dynamics & & \\
\hline MAT 460: Vector Calculus & & \\
\hline MAT 461: Applied Complex Analysis & & \\
\hline \multirow[t]{2}{*}{MAT 462: Applied Partial Differential Equations} & & \\
\hline & & \\
\hline MAT 472: Intermediate Real Analysis I & & \\
\hline MAT 475: Differential Equations & & \\
\hline MAT 476: Partial Differential Equations & & \\
\hline
\end{tabular}

STP 420: Introductory Applied Statistics (CS) STP 421: Probability

STP 425: Stochastic Processes
STP 427: Mathematical Statistics

STP 429: Experimental Statistics (CS)

Related Field
ACT 310: Mathematics of Finance
ACT 415: Probability for Risk Management

ACT 430: Mathematics of Financial Derivatives

ACT 450: Actuarial Models and Modeling I
ACT 451: Actuarial Models and Modeling II AST Upper Division Elective BCH 4** Elective BME Upper Division Elective CEE Upper Division Elective CHE Elective CHM 341: Elementary Physical Chemistry CHM 343: Elementary Physical Chemistry Laboratory

CHM 345: Physical Chemistry I CHM 346: Physical Chemistry II CHM 348: Physical Chemistry Laboratory I (L)

CHM 349: Physical Chemistry Laboratory II (L)

CHM 453: Inorganic Chemistry

CHM 460: Biological Chemistry

CHM 471: Solid-State Chemistry

CIS 2** Elective

CIS Upper Division Elective
CSE Elective
ECE 2** Elective
ECE 3** Elective
ECN Upper Division Elective
EEE Elective
FIN Upper Division Elective

GLG 418: Geophysics
GLG 419: Geodynamics
GLG 470: Hydrogeology
GLG 481: Geochemistry
IEE Upper Division Elective MAE Elective

MAT Upper Division Elective
MSE Elective

PHI 333: Introduction to Symbolic Logic

PHI 413: Advanced Symbolic Logic
PHY 121: University Physics I: Mechanics (SQ)

PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

PHY 132: University Physics Laboratory II (SQ)

PHY 150: Physics I (SQ)
PHY 151: Physics II (SQ)
PHY 2** Elective
PHY Upper Division Elective
STP Upper Division Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Mathematics (Secondary Education), BS}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAMATSBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by ! & Hours & Minimum Grade & Notes \\
\hline 1 MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into First- Year Composition courses \\
- Mathematics Placement Assessment score determines placement into mathematics course \\
- ASU 101 or College Specific equivalent First Year Seminar required of all freshman students. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{(1) Maintain 3.00 GPA in Critical Tracking Courses.} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline (1. MAT 207: Algebra and Geometry in the High School & 3 & C \\
\hline 1 - MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C \\
\hline 1. MTE 210: Mentored Tutoring Internship & 1 & C \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3 ENG 107 or ENG 108: First-Year Composition

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)
4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
1. Maintain 3.00 GPA in Critical Tracking Courses.

Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal:
15
Term 3 30-46 Credit Hours Critical course signified by
4. MAT 208: Discrete Mathematics for Secondary Teachers Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
4. Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

\begin{tabular}{|c|c|c|c|}
\hline BLE 407: SEI for Secondary Students (L) & 3 & & \multirow[t]{3}{*}{\begin{tabular}{l}
- Upper division MAT/STP/MTE courses should be taken through the Tempe campus, unless approved by a SoMSS advisor. \\
- Research employment opportunities.
\end{tabular}} \\
\hline MAT 441: Ring Theory OR MAT 445: Theory of Numbers OR MAT 440: Group Theory & 3 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline T SED 478: Student Teaching: Secondary Education (Grades 6-12) & 12 & C & \multirow[t]{2}{*}{- Gather professional references.} \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal & 12 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.50 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Mathematics (Statistics), BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAMATTBS

\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum & Notes \\
\hline
\end{tabular}


Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Maintain 3.00 GPA in Critical Tracking Courses.
Term hours subtotal:
14
\begin{tabular}{|c|c|c|}
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4 MAT 300: Mathematical Structures (L) & 3 & C \\
\hline 4. MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra & 3 & C \\
\hline
\end{tabular}
- STP and upper division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor
- PHI 103 is recommended to satisfy the Literacy and Critical Inquiry (L) general studies requirement
- Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU)
- Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.
\begin{tabular}{|c|c|c|}
\hline STP 429: Experimental Statistics (CS) & 3 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline Maintain 3.00 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}

Term hours subtotal: \(\quad 16\)

\begin{tabular}{|c|c|c|}
\hline MAT 371: Advanced Calculus I & 3 & C \\
\hline STP 421: Probability & 3 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}

Term hours subtotal: 15
\begin{tabular}{|c|c|c|c|}
\hline Term 6 75-90 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline MAT or STP Advanced Course & 3 & C \\
\hline STP 427: Mathematical Statistics & 3 & C \\
\hline Related Field Course & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline Upper Division Elective OR MAT 484: Internship & 3 & \\
\hline
\end{tabular}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- STP and upper division MAT courses need to be taken through the Tempe campus, unless
\(\leadsto\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
Term 790-105 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c|c} 
Minimum \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Upper Division MAT or STP Advanced Course & 3 & C \\
\hline Related Field Course & 3 & C \\
\hline Upper Division CLAS Science and Society Elective & 3 & C \\
\hline Complete 2 courses: Upper Division Elective & 6 & \\
\hline
\end{tabular}
- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- STP and upper division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor
- Develop your professional online presence.
- Use Handshake to research employment opportunities


Grade
C

C
Related Field Course 4
4
Upper Division Elective
3
Complete 2 courses:
Elective
- STP and upper division MAT courses need to be taken through the Tempe campus, unless approved by a SoMSS advisor
approved by a SoMSS advisor
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.
\begin{tabular}{|c|c|}
\hline Hide Course List(s)/Track Group(s) & \\
\hline Related Field Course & MAT or STP Advanced Course \\
\hline ACT Upper Division Elective & ACT 430: Mathematics of Financial \\
\hline AST Upper Division Elective & Derivatives \\
\hline & ACT 435: Statistics for Risk Modeling \\
\hline & ACT 450: Actuarial Models and Modeling I \\
\hline BME Upper Division Elective & ACT 450: Actuarial Models and Modeling I \\
\hline CEE Upper Division Elective & ACT 451: Actuarial Models and Modeling II \\
\hline CHE Elective & MAT 275: Modern Differential Equations (MA) or MAT 274: Elementary Differential \\
\hline CHM 341: Elementary Physical Chemistry & Equations (MA) \\
\hline CHM 343: Elementary Physical Chemistry & MAT 372: Advanced Calculus II \\
\hline Laboratory & MAT 423: Numerical Analysis I (CS) \\
\hline CHM 345: Physical Chemistry I & MAT 442: Advanced Linear Algebra \\
\hline CHM 346: Physical Chemistry II & STP 4** Elective \\
\hline \begin{tabular}{l}
CHM 348: Physical Chemistry Laboratory I \\
(L)
\end{tabular} & \\
\hline CHM 349: Physical Chemistry Laboratory II (L) & \\
\hline CHM 453: Inorganic Chemistry & \\
\hline CHM 460: Biological Chemistry & \\
\hline CHM 471: Solid-State Chemistry & \\
\hline CIS 2** Elective & \\
\hline CIS Upper Division Elective & \\
\hline CSE Elective & \\
\hline ECN Upper Division Elective & \\
\hline EEE Elective & \\
\hline FIN Upper Division Elective & \\
\hline GLG 418: Geophysics & \\
\hline GLG 419: Geodynamics & \\
\hline GLG 470: Hydrogeology & \\
\hline GLG 481: Geochemistry & \\
\hline IEE Upper Division Elective & \\
\hline
\end{tabular}
MAE Elective
MAT Upper Division Elective
MSE Elective
PHI 333: Symbolic Logic
PHI 413: Advanced Symbolic Logic
PHY 121: University Physics I: Mechanics
(SQ)
PHY 122: University Physics Laboratory I
(SQ)
PHY 131: University Physics II: Electricity
and Magnetism (SQ)
PHY 132: University Physics Laboratory II
(SQ)
PHY 150: Physics I (SQ)
PHY 151: Physics II (SQ)
PHY 2** Elective
PHY Upper Division Elective
STP Upper Division Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Microbiology, BS}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAMICBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline BIO 281: Conceptual Approaches to Biology for Majors I (SQ) & 4 & C \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline STP 231: Statistics for Life Science (CS) & 3 & C \\
\hline
\end{tabular}

An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics and science courses
- ASU 101 or college-specific First-Year Seminar required of all freshman students. LIA 101 satisfies this requirement
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline BIO 282: Conceptual Approaches to Biology for Majors II & 4 & C & \multirow{9}{*}{\begin{tabular}{l}
- Join a student organization \\
- Create a resume \& Handshake account with the Career \& Professional Development Center \\
- Explore Research Opportunities
\end{tabular}} \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 251: Calculus for Life Sciences (MA) & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3-46 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1) BIO 340: General Genetics & 4 & C & \multirow[b]{7}{*}{\begin{tabular}{l}
- Pre-health students should take CHM 233 and CHM 237 this term. See the pre-health website for more information \\
- If CHM 231 and 235 are taken, then BCH 361 and 367 must be taken the following semester \\
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester \\
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.) \\
- Attend a Study Abroad 101 Session
\end{tabular}} \\
\hline CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I & 4 & C & \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline 4 . Complete BIO 281 AND BIO 282 course(s). & & & \\
\hline \begin{tabular}{l}
Complete First-Year Composition requirement. \\
Complete Mathematics (MA) requirement.
\end{tabular} & & ................... & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 446-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) & 4 & C \\
\hline \begin{tabular}{l}
BCH 361: Advanced Principles of Biochemistry AND BCH 367: \\
Elementary Biochemistry Laboratory OR CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II
\end{tabular} & 4 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- Pre-health students should take CHM 234 and CHM 238 this term. See the pre-health website for more information
- If CHM 231 and 235 were previously taken, then BCH 361 and 367 must be taken this term
- If CHM 233 and 237 were previously taken, then CHM 234 and 238 must be taken this term
- Meet with the Career \& Professional Development Center to learn how to develop skills
- Explore or pursue internship opportunities
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline MIC 302: Advanced Bacteriology Laboratory (L) & 2 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Pre-health students should take PHY 111 and PHY 113 instead of PHY 101 this term. See the pre-health website for more information \\
- Meet with your advisor to discuss ways to maximize your remaining time at ASU \\
- Lab credit is required and is accounted for in the additional major requirements electives area
\end{tabular}} \\
\hline MIC 360: Bacterial Physiology & 3 & C & \\
\hline PHY 101: Introduction to Physics (SQ) & 4 & C & \\
\hline Upper Division Additional Major Requirements & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Major Microbiology/Immunology Elective Course & 3-4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Pre-health students should take PHY 112 and PHY 114 instead of an elective this term. See the pre-health website for more information \\
- Students must complete one upper division elective from the list of Microbiology/Immunology elective courses and one upper division elective from the list of General Biology elective courses. A third upper division elective must be chosen from either the list of Microbiology/Immunology electives OR the list of General Biology electives \\
- Use Handshake to research employment opportunities
\end{tabular}} \\
\hline Upper Division Additional Major Requirements & 3 & C & \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Complete 2 courses: Elective & 6 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 15-16 & & \\
\hline
\end{tabular}
Term 790 - \(\mathbf{1 0 5}\) Credit Hours Necessary course signified by Hours \begin{tabular}{l} 
Minimum \\
Grade
\end{tabular}
Term 8 105-120 Credit Hours Necessary course signified by
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
Major General Biology Electives Courses - 3
credits required
BCH 361: Advanced Principles of
Biochemistry
BIO 312: Bioethics (HU)
BIO 320: Fundamentals of Ecology
BIO 343: Genetic Engineering and Society (L)
BIO 345: Organic Evolution
BIO 351: Developmental Biology
BIO 353: Cell Biology
BIO 360: Animal Physiology
BIO 451: Cell Biotechnology: Cell Culture,
Immunocytochemistry and Bioimaging
BIO 455: Introduction to Comparative
Genomics
Major Microbiology/Immunology Electives
Courses - 3 credits required \begin{tabular}{l} 
Additional Major Requirements- 6 credits \\
required
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Microbiology (Medical Microbiology), BS}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAMICMBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & C \\
\hline BIO 281: Conceptual Approaches to Biology for Majors I (SQ) & 4 & C \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline STP 231: Statistics for Life Science (CS) & 3 & C \\
\hline Term hours sub & 15 & \\
\hline
\end{tabular}
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics and science courses
- ASU 101 or college-specific First-Year Seminar required of all freshman students. LIA 101 satisfies this requirement
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-32 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline BIO 282: Conceptual Approaches to Biology for Majors II & 4 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Join a student organization \\
- Create a resume \& Handshake account with the Career \& Professional Development Center \\
- Explore Research Opportunities
\end{tabular}} \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 251: Calculus for Life Sciences (MA) & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline BIO 340: General Genetics OR MBB 347: Molecular Genetics: From Genes to Proteins & 4 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Pre-health students should take CHM 233 and CHM 237 this term. See the pre-health website for more information \\
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester \\
- Explore extracurriculars (i.e. service learning, community service, internships, research, student involvement, shadowing, etc.) \\
- Attend a Study Abroad 101 Session
\end{tabular}} \\
\hline CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) & 4 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 4 & & \\
\hline 1. Complete BIO 281 AND BIO 282 course(s). & & & \\
\hline 1. Complete First-Year Composition requirement. & & & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. MIC 220: Biology of Microorganisms AND MIC 206:

Microbiology Laboratory (SG)

- Pre-health students should take CHM 234 and CHM 238 this term instead of elective. See the pre-health website for more information
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
- Explore or pursue internship opportunities
- Meet with the Career \& Professional Development Center to learn how to develop skills
\begin{tabular}{|l|l|l|l|l|}
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline BIO 353: Cell Biology & 3 & C \\
\hline BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory & 4 & C \\
\hline PHY 101: Introduction to Physics (SQ) & 4 & C \\
\hline Upper Division Elective & 4 & \\
\hline
\end{tabular}
- Pre-health students should take PHY 111 and 113 instead of PHY 101 this term. See the pre-health website for more information
- MIC 360 or MIC 441 may be taken for the upper division elective in this term to facilitate registration for MIC 481 in term 6
- Meet with your advisor to discuss ways to maximize your remaining time at ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 6 78-94 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses:}

BIO 360: Animal Physiology OR HPS 331: History of Medicine (HU
\& H) OR MIC 314: HIV/AIDS: Science, Behavior, and Society OR
MIC 481: Bacterial Pathogenesis OR MIC 421: Experimental
Immunology
\begin{tabular}{|c|c|c|}
\hline BIO 312: Bioethics (HU) & 3 & C \\
\hline Microbes or Biomedicine course & 4-2 & C \\
\hline Upper Division Elective OR BIO 484: Internship OR MIC 484: Internship & 3 & \\
\hline Upper Division Elective & 1 & \\
\hline
\end{tabular}
\(\leadsto\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).

Term hours subtotal:
16-15
Term 7 94-108 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(|\)
\begin{tabular}{|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline MIC 401: Research Paper (L) & 1 & C \\
\hline Complete 2 courses: Upper Division Elective & 5 & \\
\hline
\end{tabular}
- BIO 312 may be used to satisfy an upper division Science and Society credit for the College of Liberal Arts and Sciences.
- Pre-health students should take PHY 112 and 114 this term. See the pre-health website for more information
- Courses from the Microbes and Biomedicine groups must include at least one course from each category and at least one (1) lab course.
- Use Handshake to research employment opportunities


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Molecular Biosciences and Biotechnology, BS
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAMBBBS
\begin{tabular}{|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline BIO 281: Conceptual Approaches to Biology for Majors I (SQ) & 4 & C \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline STP 231: Statistics for Life Science (CS) & 3 & C \\
\hline
\end{tabular}
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics and science courses
- ASU 101 or college-specific First-Year Seminar required of all freshman students. LIA 101 satisfies this requirement
- Select your career interest area and play me3@ASU

\begin{tabular}{|c|c|}
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 \\
\hline Elective & 3 \\
\hline Term hours subtotal: & 14 \\
\hline
\end{tabular}
- Pre-health students should take CHM 234 and CHM 238 instead of an elective this term. See the pre-health website for more information
- If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
- Explore or pursue internship opportunities
- Meet with the Career \& Professional Development Center to learn how to develop skills
\begin{tabular}{|c|c|c|}
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline W MBB 484: Internship OR MBB 495: Undergraduate Research & 3 & C \\
\hline PHY 101: Introduction to Physics (SQ) & 4 & C \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Elective & 3 & \\
\hline
\end{tabular}
- Pre-health students should take PHY 111 and PHY 113 instead of PHY 101. See pre-health website for more information
- MBB 484 or MBB 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are positions and research experience secured by the student on their own
- Meet with your advisor to discuss ways to maximize your remaining time at ASU
\(\begin{array}{l}\text { Term } 6 \text { 76-90 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{l} 
Notes
\end{tabular}

\begin{tabular}{|c|c|}
\hline Complete 2 courses: & \\
\hline Elective & 6 \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.
Hide Course List(s)/Track Group(s)
Major Electives
BIO 308: Plant Physiology
BIO 451: Cell Biotechnology: Cell Culture,
Immunocytochemistry and Bioimaging
MBB 350: Applied Genetics
MBB 440: Functional Genomics
MBB 444: Techniques in Functional
Genomics
MBB 445: Techniques in Molecular
Biology/Genetics AND MBB 446: Techniques
in Molecular Biology/Genetics Lab
MIC 420: Immunology: Molecular and
Cellular Foundations AND MIC 421:
Experimental Immunology
MIC 441: Bacterial Genetics AND MIC \(442:\)
Bacterial Genetics Laboratory

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Neuroscience, BS}

School/College: College of Liberal Arts and Sciences
LABMENBS
\begin{tabular}{|c|c|c|c|}
\hline erm 10-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

CHS 101: The ASU Experience for Health Solutions Students OR
LIA 101: Student Success in the College of Liberal Arts and Sciences

Approaches to Biology for Majors I (SQ)
4 C

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
C
ENG 107 or ENG 108: First-Year Composition
MAT 251: Calculus for Life Sciences (MA) OR MAT 265: Calculus
for Engineers I (MA) OR MAT 270: Calculus with Analytic 3-4 C Geometry I (MA)

Term hours subtotal: 14-15
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- Students not testing into MAT 251, MAT 265 or MAT 270 should complete MAT 117 or MAT 170 and take subsequent MAT course in term 2 instead of an elective.
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students
- Students are encouraged to use electives to complete prerequisites for upper division track courses.

\begin{tabular}{|c|c|c|}
\hline Term 3 31-44 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 \\
\hline U.S. (C) & \\
\hline
\end{tabular}

Social-Behavioral Sciences (SB) AND Global Awareness (G) 3
Elective 3
.........................................
3
Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.

- - The BS in neuroscience is currently available only as a concurrent degree to ASU students pursuing other majors. It cannot be taken a a stand-alone degree. For more information on how to add this major as a concurrent degree program, students should contact an academic advisor in their major, the Department of Psychology or the School of Life Sciences
- Upper division Track Courses may have additional prerequisites. Students are encouraged to plan ahead and complete any prerequisites as electives.
\begin{tabular}{|c|c|c|}
\hline Hide Course List(s)/Track Group(s) & \multirow[b]{2}{*}{Behavioral Neuroscience} & \multirow[b]{2}{*}{Cognitive Behavioral Neuroscience} \\
\hline Sensormotor Control and Physical & & \\
\hline \multirow[t]{2}{*}{Rehabilitation} & & \multirow[b]{3}{*}{SHS 310: Anatomical and Physiological Bases of Speech} \\
\hline & BIO 331: Animal Behavior & \\
\hline KIN 345: Motor and Developmental Learning & PSY 320: Learning and Motivation & \\
\hline \multirow[t]{2}{*}{KIN 421: Human Motor Control (L)} & \multirow[b]{2}{*}{PSY 420: Analysis of Behavior (L)} & SHS 311: Hearing Science \\
\hline & & \multirow[b]{2}{*}{SHS 350: Peering into the Human Brain} \\
\hline \multirow[t]{3}{*}{KIN 422: Motor Control in Special Populations (L)} & \multirow[b]{2}{*}{PSY 470: Psychopharmacology} & \\
\hline & & \multirow[b]{2}{*}{SHS 367: Language Science (SB)} \\
\hline & \multirow[t]{2}{*}{PSY 498: Behavioral Neuroendocrinology} & \\
\hline \multirow[t]{4}{*}{KIN 423: Motor Control and Aging (L)} & & \multirow[b]{2}{*}{SHS 375: Speech Science} \\
\hline & \multirow[t]{2}{*}{PSY 498: Neurobiology Learning and Memory} & \\
\hline & & SHS 465: Speech and Language Acquisition (SB) \\
\hline & & SHS 485: Acquired Speech and Language Disorders \\
\hline
\end{tabular}

\section*{Brain, Mind and Behavior}

PSY 320: Learning and Motivation
PSY 324: Memory and Cognition
PSY 498: Computational Cognitive
Neuroscience

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Philosophy, BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAPHIBA
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (1) PHI Elective & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. & 4 & C \\
\hline Elective & 2 & \\
\hline Term hours subtotal & 16 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman students
ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.
- Select your career interest area and play me3@ASU.
Term 2 16-30 Credit Hours Critical course signified by
ENG 101 or ENG 102: First-Year Composition OR Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

Term hours subtotal:
14
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & - Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative
\[
(S Q)
\] & 4 & & not already been satisfied through other course work. \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & - Explore opportunities to study abroad. \\
\hline Elective & 3 & & \\
\hline (1) Complete First-Year Composition requirement. & & & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline & & Minimum & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Grade & Notes \\
\hline 4 PHI 103: Principles of Sound Reasoning (L or HU) & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity ( C ) requirement is recommended. \\
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking. \\
- If interested in law school, make an appointment with the pre-law advisor.
\end{tabular}} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline PHI 300: Philosophical Argument and Exposition (L) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Some General Studies requirements can overlap with major courses, leaving more roo for electives. Consult an academic advisor to select the best courses for your personal plan of study. \\
- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied with major courses. \\
- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor.
\end{tabular}} \\
\hline U Upper Division History of Philosophy & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Upper Division Elective OR PHI 484: Internship & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 6 75-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ¢ PHI 333: Symbolic Logic OR PHI 413: Advanced Symbolic Logic & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies. \\
- Explore graduate school opportunities. \\
- If planning to attend law school, prepare to take the LSAT.
\end{tabular}} \\
\hline 5 Upper Division History of Philosophy & 3 & C & \\
\hline PHI 313: Probability, Evidence, and Decision OR PHI 314: Philosophy of Science (HU) OR PHI 330: Theory of Knowledge (HU) & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 2** Philosophy Seminar Course & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Use Handshake to research employment opportunities. \\
- Attend career fairs, workshops and related events offered by Career and Professional Development Services.
\end{tabular}} \\
\hline Upper Division Values Course & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Complete 2 courses: Elective & 6 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences.
Location: Online
LAPHIBA
\begin{tabular}{|c|c|c|c|c|}
\hline Term 1-A 0-6 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ASU 101-UC: The ASU Experience & \multicolumn{2}{|l|}{1} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline Elective & 2 & \\
\hline Term hours subtotal: & 6 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- ASU 101 or College-specific equivalent First Year Seminar is required of all freshman students.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 6-12 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. PHI Elective & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- Mathematics Placement Assessment score determines placement in mathematics course \\
- View ASU Online first-time freshmen registration information here.
\end{tabular}} \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
Term 2-A 12-19 Credit Hours \(\quad\) Hours \begin{tabular}{c|c|c|}
\hline Minimum & Grade & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202

4
C
or equivalent), including American Sign Language IV.
Term hours subtotal: 7

ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-26 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Review the Career Guide for ASU Online students to learn about available career planning resources. \\
- If interested in law school, review Pre-Law at ASU website.
\end{tabular}} \\
\hline Elective & 3 & & \\
\hline 1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-A 26-33 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.

Computer/Statistics/Quantitative Applications (CS) 3

Term hours subtotal:
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 33-40 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Choosing a Social-Behavioral Sciences (SB) course that also fulfills Global Awareness \((\mathrm{G})\) is recommended if G requirement has not already been satisfied through other course work. \\
- Explore opportunities to study abroad. Online students are eligible and encouraged to participate!
\end{tabular}} \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline -1 Complete First-Year Composition requirement. & & & \\
\hline \multicolumn{3}{|l|}{\% Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 40-47 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4 PHI 103: Principles of Sound Reasoning (L or HU) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Explore the Career and Professional Development Services website and arrange a virtual advising session with a career counselor for assistance with career planning and networking. \\
- If interested in law school, make a phone appointment with the pre-law advisor.
\end{tabular}} \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-B 47-53 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & \multicolumn{2}{|l|}{3} & \multirow[t]{3}{*}{- Choosing a Social-Behavioral Sciences (SB) course that also satisfies the Cultural Diversity (C) requirement is recommended.} \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-A 53-59 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ¢ PHI 300: Philosophical Argument and Exposition (L) & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtot & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 5-B 59-66 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

PHI 328: History of Ancient Philosophy (HU \& H) OR PHI 329:
History of Modern Philosophy (HU \& H) OR PHI 403: Contemporary Analytic Philosophy (HU)

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

Term hours subtotal: \(\quad 7\)
Term 6-A 66-72 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 72-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline PHI 314: Philosophy of Science (HU) OR PHI 330: Theory of Knowledge (HU) & 3 & C & \multirow[t]{3}{*}{- If planning on law school, prepare to take the LSAT.} \\
\hline Elective & 3 & & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-A 78-84 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline P PHI 333: Symbolic Logic & 3 & C & \multirow[t]{3}{*}{- Explore graduate school opportunities.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 84-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline PHI 335: History of Ethics (HU) OR PHI 336: Social and Political Philosophy (HU) OR PHI 337: Ethical Theory (HU) & 3 & C & \multirow[t]{3}{*}{- View career webinars offered by Career and Professional Development Services.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 90-96 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} \\
\hline Elective & \multicolumn{2}{|l|}{3} \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} \\
\hline Term 8-B 96-102 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline PHI 332: Metaphysics (HU) OR PHI 334: Philosophy of Mind (HU) & 3 & C \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} \\
\hline Term hours subtotal & 6 & \\
\hline
\end{tabular}
- Use Handshake to research employment opportunities.
\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 102-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PHI 403: Contemporary Analytic Philosophy (HU) OR PHI 420: Topics in Philosophy & 3 & C & \multirow[t]{3}{*}{- PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 108-114 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses: \\ Upper Division Elective}

Term hours subtotal:
- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.
Term 10-A 114-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- At least 12 upper-division hours in the major (PHI) must be in courses offered by the College of Liberal Arts and Sciences.

\author{
Hide Course List(s)/Track Group(s)
}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Philosophy (Morality, Politics and Law), BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAPHIMPBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

LIA 101: Student Success in the College of Liberal Arts and Sciences

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.

Social-Behavioral Sciences (SB) AND Global Awareness (G)
3
Elective 2
Maintain 2.00 GPA in Critical Tracking Courses.
Term hours subtotal:
16
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman students
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 216-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

PHI 101: Introduction to Philosophy (HU) OR PHI 103: Principles of Sound Reasoning (L or HU) OR PHI 105: Intro to Ethics (HU)

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Natural Science - Quantitative (SQ) 4
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Maintain 2.00 GPA in Critical Tracking Courses.
Term hours subtotal:
- 3 -

Term 3 30-46 Credit Hours Critical course signified by ! Hours

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Computer/Statistics/Quantitative Applications (CS)
3
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

Complete 2 courses:
Elective
- If planning to take PHI 333: Symbolic Logic in a later semester, take PHI 103, the prerequisite for PHI 333.
- Explore opportunities to study abroad.

Term hours subtotal:
16
Term 446-60 Credit Hours Critical course signified by 9 Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
\[
\text { Term hours subtotal: } \quad 14
\]
\(\begin{array}{l}\text { Term } 5 \text { 60-75 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- If interested in law school, make an appointment with the pre-law advisor.
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.
- Please see "Politics" course list below.

Participate in an internship to gain valuable explor ex inter your major, meet with an academic advisor.

\section*{Notes}
- Consider participating in an Undergraduate Research Experience through the School of Historical, Philosophical and Religious Studies.
- If planning on law school, prepare to take the LSAT.
- Explore graduate school opportunities.

\section*{Notes}
- Please see "Ethics" course list below.
- Use Handshake to research employment opportunities.
- Attend career fairs, workshops and related events offered by Career and Professional Development Services.

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 8 105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.
- Apply for career opportunities.
- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.

PHI 420 is a variable topics course that may be taken more than once, so long as the topics are different.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Epistemology, Metaphysics, or Logic & Ethics & Law \\
\hline PHI 330: Theory of Knowledge (HU) & PHI 306: Applied Ethics (HU) & \multirow[t]{2}{*}{HST 321: Constitutional History/US to 1865
\[
(\mathrm{SB} \& \mathrm{H})
\]} \\
\hline PHI 331: Philosophy of Language (HU) & PHI 310: Environmental Ethics (HU) & \\
\hline PHI 332: Metaphysics (HU) & PHI 320: Bioethics (HU) & HST 322: Constitutional History of the United States Since 1865 (H) \\
\hline PHI 333: Symbolic Logic & PHI 335: History of Ethics (HU) & \multirow[t]{2}{*}{HST 323: Historical Studies in Race, Crime, and the Law} \\
\hline \multirow[t]{14}{*}{PHI 334: Philosophy of Mind (HU)} & PHI 337: Ethical Theory (HU) & \\
\hline & PHI 338: Metaethics & JUS 303: Justice Theory (L) \\
\hline & PHI 405: Moral Psychology & JUS 308: Courts and Society \\
\hline & PHI 408: Feminist Ethics (HU) & JUS 360: Law and Social Control (SB) \\
\hline & REL 381: Religion and Moral Issues (L or & JUS 410: Punishment: Logic and Approach \\
\hline & HU) & JUS 463: Discretionary Justice (SB) \\
\hline & & JUS 465: Death Penalty in the United States (L) \\
\hline & & JUS 479: Law and Disputing (L or SB) \\
\hline & & PHI 307: Philosophy of Law (HU) \\
\hline & & PHI 347: Philosophical Theories of Constitutional Law \\
\hline & & POS 370: Law and Society (SB) \\
\hline & & POS 470: Law and the Political Order (SB) \\
\hline & & POS 471: Constitutional Law I (SB) \\
\hline & & POS 472: Constitutional Law II (SB) \\
\hline Politics & 400-Level ( ***) Philosophy Seminar Course \(^{\text {a }}\) & \\
\hline \multirow[t]{2}{*}{HST 315: Political History of the U. S. (SB \& H)} & PHI 401: Rationalism & \\
\hline & PHI 402: Empiricism (HU) & \\
\hline \multirow[t]{2}{*}{HST 317: History of Postwar U.S. Conservatism} & PHI 403: Contemporary Analytic Philosophy (HU) & \\
\hline & \begin{tabular}{l}
PHI 405: Moral Psychology \\
Academic Catalog Archive 2018-2019
\end{tabular} & 3649 \\
\hline
\end{tabular}
HST 414: Political Thought and Leadership or PHI 408: Feminist Ethics (HU)
POS 414: Political Thought and Leadership
PHI 336: Social and Political Philosophy (HU)
PHI 448: Justice and Reparations 413: Advanced Symbolic Logic
POS 210: Political Ideologies (SB)
POS 340: History of Political Philosophy I
(HU \& H)
POS 341: History of Political Philosophy II
(HU \& H)
POS 346: Problems of Democracy (HU)
POS 368: Ethics and Human Rights
POS 442: American Political Thought (HU)
REL 319: Religion, Violence and America
REL
REL 378: Religion, War and Peace (L)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences.
Location: Online
LAPHIMPBA
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0 - 6 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- ASU 101 or College-specific equivalent First-Year Seminar required of all freshman students. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline ASU 101-UC: The ASU Experience & 1 & & \\
\hline Elective & 2 & & \\
\hline Maintain 2.00 GPA in Critical Tracking Courses. & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 1-B 6-12 Credit Hours & Hours & Minimum Grade & Notes \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- Taking a Social-Behavioral Sciences (SB) course that also satisfies Global Awareness \((\mathrm{G})\) is suggested. \\
- View ASU Online first-time freshmen registration information here.
\end{tabular}} \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline & & & \\
\hline & & & \\
\hline
\end{tabular}
Term 2 - A 12-19 Credit Hours Critical course signified by
ENG 101: First-Year Composition or ENG 102: First-Year Composition
OR ENG 105: Advanced First-Year Composition OR ENG 107:
First-Year Composition or ENG 108: First-Year Composition Nours
- If interested in law school, review Pre-Law at ASU website.


\(\begin{array}{l}\text { Term 10-A 114-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- At least 12 upper-division hours in the major must be in courses offered by the College of Liberal Arts and Sciences.


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Physics, BA
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAPHYBA
\begin{tabular}{l} 
Term 10 - 15 Credit Hours Critical course signified by 4. \\
Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} \\
\hline MAT 270: Calculus with Analytic Geometry I (MA) \\
\hline CHM 113: General Chemistry I (SQ) \\
\hline ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition \\
LIA 101: Student Success in the College of Liberal Arts and \\
Sciences \\
Humanities, Arts and Design (HU) AND Cultural Diversity in the \\
U.S. (C)
\end{tabular}

Maintain 2.00 GPA in Critical Tracking Courses.


Term hours subtotal: 15

An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} \\
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4. MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C \\
\hline 1. PHY 150: Physics I (SQ) & 4 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline \multicolumn{3}{|l|}{(1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline 4. Maintain 2.00 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV. \(\qquad\)
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
!. Maintain 2.00 GPA in Critical Tracking Courses.

\section*{Term hours subtotal: \\ 15}
- PHY 121/122 and 131/132 may be used in place of PHY 150 and 151.

Term 45-62 Credit Hours Critical course signified by
Notes
\begin{tabular}{|c|c|c|}
\hline HY 201: Mathematical Methods in Physics I (CS) & 3 & C \\
\hline PHY 252: Physics III (SQ) & 4 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline
\end{tabular}
- Visit Career and Professional Development Services and meet with a career advisor for assistance with career planning and networking.
- Complete an in person or virtual practice interview

Term hours subtotal: 17
\begin{tabular}{|c|c|c|c|}
\hline Term 562-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PHY 302: Mathematical Methods in Physics II & 3 & C & \\
\hline PHY 310: Classical Particles, Fields, and Matter I & 3 & C & \\
\hline \% PHY 314: Quantum Physics I & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
Physics Breadth Course
PHY 462: Particle and Nuclear Physics
PHY 480: Methods of Teaching Physics

PHY 494: Computational Methods in Physics
PHY 494: Introduction to Nanoscience

PHY 495: Project Research

PHY 498: Pro-Seminar

PHY 499: Individualized Instruction

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

\footnotetext{
General Studies designations listed on the major map are current for the 2018-2019 academic year.
}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAPHYBS
Term 10 - 14 Credit Hours Critical course signified by 4
4. LIA 101: Student Success in the College of Liberal Arts and
Sciences
4. MAT 270: Calculus with Analytic Geometry I (MA)

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Physics (Secondary Education), BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAPHYSEBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline 1 MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C & \multirow{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- ASU 101 or college-specific First-Year Seminar required of all Freshmen Students. \\
- Select your career interest area and play me3@ASU
\end{tabular}} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Elective & 3 & & \\
\hline Maintain 2.50 GPA in Critical Tracking Courses. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 2 14-29 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. MAT 271: Calculus with Analytic Geometry II (MA) & 4 & C & \multirow{8}{*}{\begin{tabular}{l}
- PHY 121/122 and 131/132 may be used in place of PHY 150 and 151 \\
- Join a student group or professional organization
\end{tabular}} \\
\hline -1. PHY 150: Physics I (SQ) & 4 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline PHY 118: Explorations in Science Teaching & 1 & C & \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline (1) Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{\text {4 }}\) - & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
- PHY 121/122 and 131/132 may be used in place of PHY 150 and 151
\begin{tabular}{|c|c|c|c|}
\hline Term 45-61 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Grade & Notes \\
\hline 1. PHY 201: Mathematical Methods in Physics I (CS) & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Must complete at least 60 credits includi foundational coursework to progress into iTeachAZ. \\
- Must have 2.5 GPA to progress into iTeachAZ program. \\
- Explore research opportunities \\
- Apply for Identity Verified Print (IVP) DPS fingerprint card
\end{tabular}} \\
\hline 1 PHY 252: Physics III (SQ) & 4 & C & \\
\hline . PHY 333: Electronic Circuits and Measurements & 3 & C & \\
\hline EDP 313: Childhood and Adolescence (SB) OR TEL 315: Child and Adolescent Development (L or SB) & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline I? PHY 302: Mathematical Methods in Physics II & 3 & C \\
\hline \% PHY 310: Classical Particles, Fields, and Matter I & 3 & C \\
\hline I PHY 314: Quantum Physics I & 3 & C \\
\hline PHY 480: Methods of Teaching Physics & 3 & C \\
\hline Upper Division CLAS Science and Society Elective & 3 & C \\
\hline
\end{tabular}

3 Minimum 2.50 GPA ASU Cumulative.
Milestone: Intent to Progress Online Form.
\begin{tabular}{|c|c|c|c|}
\hline Term hours subtotal: & 15 & & \\
\hline Term 676-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% PHY 311: Classical Particles, Fields, and Matter II & 3 & C & \multirow[t]{2}{*}{- Complete an in person or virtual practice interview} \\
\hline W PHY 315: Quantum Physics II & 3 & C & \\
\hline 3 PHY 334: Advanced Laboratory I (L) & 3 & C & \\
\hline SED 398: Clinical Experience & 1 & C & \\
\hline SPE 417: Inclusion Practices at the Secondary Level & 3 & C & \\
\hline TEL 311: Instruction and Management in the Inclusive Classroom & 3 & C & \\
\hline
\end{tabular}

Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal: 16
Term 7 92-108 Credit Hours Necessary course signified by
Hours
Minimum
Grade
\begin{tabular}{|c|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Grade & Notes \\
\hline SED 478: Student Teaching: Secondary Education (Grades 6-12) & 12 & C & \multirow[t]{3}{*}{- Only one course will be approved to take concurrently with student teaching.} \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtot & 12 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Political Science, BA

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Location: Tempe campus
LAPOSBA

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\begin{tabular}{|l|l|l|l|}
\hline Term 10-14 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

POS 110: American Government and Politics (SB) OR POS 150:
(1. Comparative Government (SB \& G) or POS 160: Global Politics (SB \& G)
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
LIA 101: Student Success in the College of Liberal Arts and
Sciences
1
MAT 142: College Mathematics (MA) 3
3 C
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Term hours subtotal:
14
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement into a mathematics course.
- All freshmen are required to pass a Student Success seminar which is part of the CLAS block.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
POS 110: American Government and Politics (SB) OR POS 150: \\
Comparative Government (SB \& G) or POS 160: Global Politics (SB \& G)
\end{tabular} & 3 & C & - Visit the Career and Professional Development Center to identify \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
career planning assistance. \\
- Related Area Courses: Any course from the subjects in the list below will apply to
\end{tabular} \\
\hline Related Area Course & 3 & C & the Related Area requirement. \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline . Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

POS 210: Political Ideologies (SB) \(\quad 3 \quad\) C
POS Elective 3
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.

Natural Science - Quantitative (SQ) 4
Complete First-Year Composition requirement.
1. Complete Mathematics (MA) requirement.
- The electives in this degree program allow room for students to complete a minor or certificate program.
\begin{tabular}{|c|c|c|c|}
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline 4 Computer/Statistics/Quantitative Applications (CS) & \multicolumn{2}{|l|}{3} & \multirow{6}{*}{- Attend career-related workshops and meet with a career counselor to discuss professional goals.} \\
\hline POS Elective & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W POS 301: Empirical Political Inquiry (SB) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Participate in an internship to network and develop job-related skills. \\
- Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.
\end{tabular}} \\
\hline POS Upper Division Elective & 3 & C & \\
\hline Related Area Course & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 6 75-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline .................................................. & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- A study abroad experience enhances cross-cultural awareness and may expand career opportunities. \\
- If interested, make preparations for graduate or law school.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Related Area Course
\end{tabular} & 6 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Upper Division Elective OR POS 484: Internship & \multicolumn{2}{|l|}{3} & \\
\hline
\end{tabular}

Term hours subtotal: 15
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline POS Upper Division Elective & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Join Handshake and research target organizations of interest. \\
- Take advantage of mock interview opportunities and resume and cover letter writing services.
\end{tabular}} \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Complete 3 courses: Upper Division Elective & 9 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline POS Upper Division Elective & 3 & C & \multirow[t]{2}{*}{- Finalize future educational or career plans.} \\
\hline Complete 4 courses: & \multicolumn{2}{|l|}{12} & \\
\hline
\end{tabular}
- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following prefixes may be used.

Hide Course List(s)/Track Group(s)
Related Area Course

AES OR AFR OR AIS OR APA OR ASB OR ASM OR COM OR ECN OR FAS OR GCU OR GPH OR HST OR JUS OR MIS OR PHI OR PSY OR REL OR SGS OR SOC OR TCL OR WST Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Political Science, BA

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Location: Online
LAPOSBA

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\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \(\boldsymbol{y}^{4}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

POS 110: American Government and Politics (SB) OR POS 150:
4. Comparative Government (SB \& G) or POS 160: Global Politics (SB
\& G)
ASU 101-UC: The ASU Experience 1
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3
3 C
ENG 107 or ENG 108: First-Year Composition
Term hours subtotal
7
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or College-specific First Year Seminar is required for all freshman students.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-12 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - View ASU Online first-time freshmen registration information here. \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 5 & & \\
\hline Term 2-A 12-19 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

POS 110: American Government and Politics (SB) OR POS 150:
4. Comparative Government (SB \& G) or POS 160: Global Politics (SB \& G)

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4

4 C equivalent), including American Sign Language IV.

Term hours subtotal:
7
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a language placement exam, regardless of prior credit earned.
- As of fall 2018, Chinese, French, German, Italian and Spanish are the languages students may pursue to meet their second language requirement.
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-26 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- Mathematics Placement Assessment score determines placement in mathematics course. \\
- As of fall 2018, Chinese, French, German, Italian and Spanish are the languages students may pursue to meet their second language requirement. \\
- Contact the ASU Career and Professional Development Center to identify networking opportunities and to seek career planning assistance.
\end{tabular}} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline & & & \\
\hline
\end{tabular}


- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following prefixes may be used.

Hide Course List(s)/Track Group(s)
Related Area Courses
AFR OR APA OR ASB OR ASM OR COM
OR ECN OR FAS OR GCU OR GPH OR
HST OR JUS OR PHI OR PSY OR REL OR
SGS OR SOC OR WST Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Political Science, BS
School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAPOSBS
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline \begin{tabular}{l}
POS 110: American Government and Politics (SB) OR POS 150: \\
Comparative Government (SB \& G) or POS 160: Global Politics (SB \& G)
\end{tabular} & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline Related Area Course & 3 & C \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement into mathematics course.
- All freshmen are required to pass a Student Success course which is part of the CLAS block.
\begin{tabular}{|c|c|c|c|}
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
POS 110: American Government and Politics (SB) OR POS 150: \\
Comparative Government (SB \& G) or POS 160: Global Politics (SB \& G)
\end{tabular} & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Visit the Career and Professional Development Center to identify networking opportunities and to seek career planning assistance. \\
- Related Area Courses: Any course from the subjects in the list below will apply to the Related Area requirement.
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Related Area Course & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

POS 110: American Government and Politics (SB) OR POS 150:Comparative Government (SB \& G) or POS 160: Global Politics (SB 3 \& G)
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

Related Area Course
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)

Elective
3
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 3 31-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 POS 210: Political Ideologies (SB) & 3 & C & \multirow{5}{*}{- The electives in this degree program allow room for students to complete a minor or certificate program.} \\
\hline Related Area Course & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline 4 Complete First-Year Composition requirement. & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 44-63 Credit Hours Critical course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline
\end{tabular}

Complete 2 courses
POS Elective
\begin{tabular}{|c|c|c|c|}
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
POS 110: American Government and Politics (SB) OR POS 150: \\
Comparative Government (SB \& G) or POS 160: Global Politics (SB \\
\& G)
\end{tabular} & 3 & C & - Visit the Career and Professional Development Center to identify networking opportunities and to seek \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
career planning assistance. \\
- Related Area Courses: Any course from the subjects in the list below will apply to
\end{tabular} \\
\hline Related Area Course & 3 & C & the Related Area requirement. \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

The electives in this degree program allow room for students to complete a minor or certificate program.

Notes
\begin{tabular}{|c|c|c|c|}
\hline Literacy and Critical Inquiry (L) & \multicolumn{2}{|l|}{3} & \multirow[t]{2}{*}{- Attend career related workshops and meet with a career counselor to discuss professional goals.} \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{Complete Natural Science - Quantitative (SQ) course.} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline P POS 301: Empirical Political Inquiry (SB) & 3 & C & - Participate in an internship to network and \\
\hline POS Upper Division Elective & 3 & C & develop job-related skills. \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Related Area Course & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline POS 401: Political Statistics (CS) & 3 & C & - A study abroad experience enhances \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
POS Upper Division Elective
\end{tabular} & 6 & C & cross-cultural awareness and may expand career opportunities. \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & - If interested, make preparations for \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% POS Upper Division Elective & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Join Handshake and research target organizations of interest. \\
- Take advantage of mock interview opportunities and resume and cover letter writing services.
\end{tabular}} \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective OR POS 484: Internship & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ................................................. & 3 & C & \multirow[t]{3}{*}{- Finalize future educational or career plans.} \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{9} & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following prefixes may be used.
All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found athttps://clas.asu.edu/advising-and-academic-services/science-and-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two
can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
Related Area Course

AES OR AFR OR AIS OR APA OR ASB OR ASM OR COM OR ECN OR FAS OR GCU OR GPH OR HST OR JUS OR MIS OR PHI OR PSY OR REL OR SGS OR SOC OR TCL OR WST Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Political Science, BS
School/College: College of Liberal Arts and Sciences
Location: Online
LAPOSBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \(\boldsymbol{y}^{4}\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

POS 110: American Government and Politics (SB) OR POS 150:
\begin{tabular}{|c|c|c|}
\hline Comparative Government (SB \& G) or POS 160: Global Politics (SB \& G) & 3 & C \\
\hline ASU 101-UC: The ASU Experience & 1 & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline
\end{tabular}

Term hours subtotal:
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \multirow{3}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline \begin{tabular}{l}
POS 110: American Government and Politics (SB) OR POS 150: \\
Comparative Government (SB \& G) or POS 160: Global Politics (SB \& G)
\end{tabular} & 3 & C & \multirow[t]{3}{*}{- Visit the Career and Professional Development Center to identify networking opportunities and to seek career planning assistance.} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline (1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 25-31 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1 POS 210: Political Ideologies (SB) & 3 & C & \multirow[t]{3}{*}{- The electives in this degree program allow room for students to complete a minor or certificate program.} \\
\hline Elective & 3 & & \\
\hline Term hours subtot & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 31-38 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline POS Elective & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline
\end{tabular}
(1.........................................................................................

Complete Mathematics (MA) requirement.
Term hours subtotal: \(\quad 7\)
\begin{tabular}{|c|c|c|c|}
\hline Term 4-A 38-44 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline POS Elective & 3 & C & \multirow[b]{3}{*}{- View career webinars and meet with a career counselor to discuss professional goals} \\
\hline CLAS Science and Society Elec....................................... & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 44-51 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)4
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S.
(C)
9. Complete Natural Science - Quantitative (SQ) course.

Term hours subtotal: \(\quad 7\)
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 51-57 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § POS 301: Empirical Political Inquiry (SB) & 3 & C & \multirow[t]{3}{*}{- Participate in an internship to network and develop job-related skills.} \\
\hline POS Upper Division Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 57-63 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Literacy and Critical Inquiry (L) & 3 \\
\hline Upper Division Elective & 3 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \% POS 401: Political Statistics (CS) & 3 & C & \multirow[t]{3}{*}{- A study abroad experience enhances cross-cultural awareness and may expand career opportunities} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline POS Upper Division Elective & 3 & C \\
\hline Upper Division CLAS Science and Society Elective & 3 & C \\
\hline
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
6
Term 7 - A 75-81 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

\section*{Notes}
- Join Handshake and research target organizations of interest.
- Take advantage of mock interview opportunities and resume and cover letter writing services.

- Students must complete 12 credit hours in courses drawn from related areas. Any course beginning with one of the following prefixes may be used.

All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Students may not use more than 6 hours of POS 484 or POS 499 in the major.

Hide Course List(s)/Track Group(s)
Related Area Courses
AFR OR APA OR ASB OR ASM OR COM
OR ECN OR FAS OR GCU OR GPH OR
HST OR JUS OR PHI OR PSY OR REL OR
SGS OR SOC OR WST Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Politics and the Economy, BS}

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LAPECBS
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline POS 110: American Government and Politics (SB) OR POS 150: Comparative Government (SB \& G) or POS 160: Global Politics (SB \& G) & 3 & \\
\hline (1) Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal & 16 & \\
\hline
\end{tabular}
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- LIA 101 is required of all freshman students.
- Mathematics Placement Assessment score determines placement in mathematics course.
- Students placing into MAT 210 or MAT 270 should take one of those courses in term 1. If not, students should select a prerequisite course. Students should not take MAT 142.
- Students considering graduate work in economics should choose MAT 270 or prerequisite course
- Students can choose to complete Humanities (HU) and Historical Awareness (H) separately.




\section*{Hide Course List(s)/Track Group(s)}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/advising-and-academic-services/science-and-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology, BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAPGSBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into First-Year Composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. PSY 191 offered by the College of Liberal Arts and Sciences satisfies this requirement. \\
- The terminal math course for the BA in psychology is MAT 170: Precalculus. Students who test into this course are not required to complete the prerequisite course(s). \\
- Select your career interest area and play me3@ASU. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline (4) MAT 170: Precalculus (MA) & 3 & C & \\
\hline (4) PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 1 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year

1.Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\begin{tabular}{|c|c|}
\hline Foundations of Behavior & 3 C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 \\
\hline Natural Science - Quantitative (SQ) & 4 \\
\hline Elective & 3 \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 3 30-46 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline (1) PSY 230: Introduction to Statistics (CS) & 3 & C \\
\hline Foundations of Behavior & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & \\
\hline Elective & 3 & \\
\hline Complete First-Year Composition requirement. & & \\
\hline
\end{tabular}
- Foundation of Behavior - Before graduation, students must complete at least 12 credit hours of coursework from disciplines related to psychology. Select courses from: ASB, ASM, BIO, GCU, HPS, PHI, SOC
- Secure a part-time job or volunteer experience.

\section*{Complete Mathematics (MA) requirement.}

Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 44-60 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
4. PSY 290: Research Methods (L or SG)
Foundations of Behavior
PSY Elective \begin{tabular}{l} 
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 \\
or equivalent), including American Sign Language IV.
\end{tabular}
- PSY Elective: Before graduation, students must complete 3 additional PSY courses ( 9 hours). At least 2 must be upper division. No more than 3 credit hours of PSY 394 may be used to fulfill the 9 credit hours of PSY electives. No more than 6 hours (total) from the following course list may be used to fulfill this requirement: PSY 294 Orientation Asst, Advisor Asst, PSY 394: UTA, Adv Advisor Asst, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499.
\begin{tabular}{|c|c|c|}
\hline Term 560-77 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
3** Breadth within Psychology
\end{tabular} & 6 & C \\
\hline Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. & 4 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Upper Division Elective & 3 & \\
\hline
\end{tabular}

Term hours subtotal: 17
\begin{tabular}{|c|c|c|}
\hline Term 677-90 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline \begin{tabular}{l}
\(\bigcirc\) Complete 2 courses: \\
3** Breadth within Psychology
\end{tabular} & 6 & C \\
\hline Foundations of Behavior & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


Depth Psychology: Students must complete 2 courses from the course list below. NOTE: PSY 498: Pro-Seminar must be offered by the College of Liberal Arts and Sciences -Department of Psychology.
- PSY Upper Division Elective: Students must complete 3 additional PSY courses ( 9 hours). At least 2 must be upper division. No more than 3 credit hours of PSY 394 may be used to fulfill the 9 credit hours of PSY electives. No more than 6 hours (total) from the following course
list may be used to fulfill this requirement: PSY 294 Orientation Asst, Advisor Asst, PSY 394:
UTA, Adv Advisor Asst, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499
- Apply for graduate school.
\begin{tabular}{|c|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary cours & signified by & Hours & Minimum Grade & Notes \\
\hline § \(4^{* *}\) Depth within Psychology & & 3 & C & \multirow[t]{4}{*}{- Apply for full-time career opportunities.} \\
\hline PSY Upper Division Elective & & 3 & C & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{3}{|c|}{9} & \\
\hline \multicolumn{4}{|c|}{Term hours subtotal: 15} & \\
\hline \multicolumn{5}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline \multirow[t]{2}{*}{Foundations of Behavior ( 12 credit hours from the following options)} & \multicolumn{3}{|l|}{Biological Breadth} & Personality/Mental Health Breadth \\
\hline & \multicolumn{3}{|l|}{PSY 325: Physiological Psychology} & \multirow[t]{2}{*}{PSY 315: Personality Theory and Research (SB)} \\
\hline ASB Elective & & & & \\
\hline ASM Elective & & & & PSY 366: Abnormal Psychology (SB) \\
\hline \multicolumn{5}{|l|}{BIO Elective} \\
\hline \multicolumn{5}{|l|}{GCU Elective} \\
\hline \multicolumn{5}{|l|}{HPS Elective} \\
\hline \multicolumn{5}{|l|}{PHI Elective} \\
\hline \multicolumn{5}{|l|}{SOC Elective} \\
\hline Cognitive/Learning Breadth & \multicolumn{3}{|l|}{Developmental Breadth} & Social Breadth \\
\hline PSY 320: Learning and Motivation & \multicolumn{3}{|l|}{PSY 341: Developmental Psychology (SB)} & PSY 350: Social Psychology (SB) \\
\hline PSY 323: Sensation and Perception & & & & PSY 351: Honors Social Psychology (L or \\
\hline \multicolumn{5}{|l|}{PSY 324: Memory and Cognition} \\
\hline \multicolumn{5}{|l|}{400 Level Depth within Psychology} \\
\hline \multicolumn{5}{|l|}{PSY 414: History of Psychology (L or SB)} \\
\hline \multicolumn{5}{|l|}{PSY 420: Analysis of Behavior (L)} \\
\hline \multicolumn{5}{|l|}{PSY 424: Genetic Psychology (L)} \\
\hline \multicolumn{5}{|l|}{PSY 425: Biological Bases of Behavior (L)} \\
\hline \multicolumn{5}{|l|}{PSY 426: Neuroanatomy} \\
\hline \multicolumn{5}{|l|}{PSY 427: Immunoneuropsychology: Research Foundation} \\
\hline \multicolumn{5}{|l|}{PSY 430: Industrial Psychology} \\
\hline \multicolumn{5}{|l|}{PSY 432: Embodied Cognition (L)} \\
\hline PSY 434: Cognitive Psychology (L) & & & & \\
\hline
\end{tabular}

PSY 437: Human Factors (L)
PSY 441: Cognitive Development (L or SB)
PSY 443: Abnormal Child Psychology (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)
PSY 447: Psychology of Aging (SB)
PSY 451: Stereotyping, Prejudice, and
Discrimination (L)
PSY 458: Group Dynamics
PSY 461: Interpersonal Influence (SB)
PSY 462: Health Psychology
PSY 465: Psychology of Stress and Coping
PSY 468: Psychology and Law
PSY 470: Psychopharmacology
PSY 471: Psychological Testing
PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology, BS}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAPGSBS
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA) & 3-4 & C \\
\hline 4. PSY 101: Introduction to Psychology (SB) & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Elective & 1 & \\
\hline Term hours subtotal: & 14-15 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into First-Year Composition.
- Mathematics Placement Assessment score determines placement in mathematics course. The terminal course for the BS in psychology is either MAT 251 or MAT 270; students who test into either of these do not need to complete the pre-requisite course(s).
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. PSY 191 offered by the College of Liberal Arts and Sciences fulfills this requirement.
- Select your career interest area and play me3@ASU.
- Join a student club or professional organization.

Term 4 44-60 Credit Hours Critical course signified by
\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
3** Breadth within Psychology
\end{tabular} & 6 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Breadth within Psychology: Before graduation, students must complete 1 course from 4 of the 5 Breadth course lists below (4 courses total): Biological, Personality/Mental Health, Cognitive/Learning, Developmental, or Social. \\
- CLAS PSY Residency Requirement: Before graduation, at least 12 credit hours of upper division (300 and 400 level) PSY course work must be completed through courses offered by the CLAS - Department of Psychology.
\end{tabular}} \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
Term 6 75 - 90 Credit Hours Necessary course signified by
Complete 2 courses:
\(3^{* * *}\) Breadth within Psychology
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 4** Depth within Psychology & 3 & C & \multirow[t]{2}{*}{- Depth within Psychology: Before graduation, students must complete 2 courses from the} \\
\hline PSY Upper Division Elective & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & C & course list below. NOTE: PSY 498 \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & & Pro-Seminar must be offered by the College of Liberal Arts and Sciences - Department of \\
\hline Elective OR PSY 484: Internship & 3 & & - Apply for full-time career opportunities. \\
\hline Term hours subtotal: & 15 & & - Apply for graduate school. \\
\hline Term 8 105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 4** Depth within Psychology & 3 & C & \\
\hline Complete 4 courses: & \multicolumn{2}{|l|}{12} & \\
\hline Upper Division Elective & & & \\
\hline Term hours subtot & 15 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.
\begin{tabular}{|c|c|c|}
\hline Hide Course List(s)/Track Group(s) & \multirow[b]{2}{*}{Biological Breadth} & \multirow[b]{2}{*}{Personality/Mental Health Breadth} \\
\hline \multirow[t]{2}{*}{Foundations of Behavior (12 credit hours from the following options)} & & \\
\hline & \multirow[t]{2}{*}{PSY 325: Physiological Psychology} & \multirow[t]{2}{*}{PSY 315: Personality Theory and Research (SB)} \\
\hline ASB Elective & & \\
\hline ASM Elective & & PSY 366: Abnormal Psychology (SB) \\
\hline BIO Elective & & \\
\hline GCU Elective & & \\
\hline HPS Elective & & \\
\hline PHI Elective & & \\
\hline SOC Elective & & \\
\hline Cognitive/Learning Breadth & Developmental Breadth & Social Breadth \\
\hline PSY 320: Learning and Motivation & PSY 341: Developmental Psychology (SB) & PSY 350: Social Psychology (SB) \\
\hline PSY 323: Sensation and Perception & & PSY 351: Honors Social Psychology (L or \\
\hline PSY 324: Memory and Cognition & & SB) \\
\hline 400 Level (4**) Depth within Psychology & & \\
\hline PSY 414: History of Psychology (L or SB) & & \\
\hline PSY 420: Analysis of Behavior (L) & & \\
\hline PSY 424: Genetic Psychology (L) & & \\
\hline PSY 425: Biological Bases of Behavior (L) & & \\
\hline PSY 426: Neuroanatomy & & \\
\hline
\end{tabular}
PSY 427: Immunoneuropsychology: Research
Foundation
PSY 430: Industrial Psychology
PSY 432: Embodied Cognition (L)
PSY 434: Cognitive Psychology (L)
PSY 437: Human Factors (L)
PSY 441: Cognitive Development (L or SB)
PSY 443: Abnormal Child Psychology (L or
SB)
PSY 444: Adolescent Psychology and
Psychopathology
PSY 446: Social Development (L or SB)
PSY 447: Psychology of Aging (SB)
PSY 451: Stereotyping, Prejudice, and
Piscrimination (L)
PSY 472: Clinical Psychology
PSY 458: Group Dynamics
PSY
PSY 471: Psychological Testing
PSY 461: Interpersonal Influence (SB)
PSY 462: Health Psychology
PS 465: Psychology of Stress and Coping
Psy
PS
PS

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Psychology (Psychological Science), BS}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAPGSPSBS
Term 10 - 14 Credit Hours Critical course signified by 4.
ENG 101: First-Year Composition or ENG 102: First-Year
Composition OR ENG 105: Advanced First-Year Composition OR
ENG 107: First-Year Composition or ENG 108: First-Year
Composition
(..................................................................................................................................................
MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus
with Analytic Geometry I (MA)
Grade
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into First-Year Composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. PSY 191 offered by the College of Liberal Arts and Sciences satisfies this requirement
- The terminal math course for the BS in psychology, psychological science concentration is MAT 251 or MAT 270 Students who test into either of these courses are not required to complete the prerequisite course(s)
- Students completing MAT 251 in this term should select one elective course.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Foundations of Behavior - see course list below. Before graduation, students must complete at least 12 credit hours of course work from disciplines related to psychology. \\
\hline Foundations of Behavior & 3 & C & At least 6 hours must be from one \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & discipline. Select courses from: ASB, ASM, \\
\hline Natural Science - Quantitative (SQ) & 4 & & BIO, GCU, HPS, PHI, SOC \\
\hline Elective & 3 & & organization. \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1. PSY 230: Introduction to Statistics (CS) & 3 & C & \multirow[t]{3}{*}{- Secure a part-time job or volunteer experience.} \\
\hline Foundations of Behavior & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & \multicolumn{2}{|l|}{4} & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Term hours subtotal: 14} & \\
\hline Term 44-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4. PSY 290: Research Methods (L or SG) & 4 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- CLAS Science and Society - All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. A list of all approved courses and the requirement guidelines may be found here. \\
- Explore an internship. \\
- Pursue research opportunities.
\end{tabular}} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Foundations of Behavior
\end{tabular} & 6 & C & \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Minimum 3.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
3** Breadth within Psychology Course
\end{tabular} & 6 & C & \multirow[t]{3}{*}{- Research Experience: Before graduating, students must complete at least 6 hours of Research Experience (PSY 399, PSY 499, PSY 492, or PSY 493)} \\
\hline PSY 399: Supervised Research & 3 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & - Breadth within Psychology: Before graduation, \\
\hline Minimum 3.00 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
Biological, Personality/Mental Health, Cognitive/Learning, Developmental, or Social. \\
- CLAS PSY Residency Requirement: Before graduation, at least 12 credit hours of upper division (300 and 400 level) PSY course work must be completed through courses offered by the College of Liberal Arts and Sciences Department of Psychology.
\end{tabular} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \multirow[b]{2}{*}{Notes} \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & \\
\hline § *** Depth Within Psychology Course \(^{\text {a }}\) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 4 courses: \\
Elective
\end{tabular} & \multicolumn{2}{|l|}{12} & \\
\hline \multicolumn{3}{|l|}{Minimum 3.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal & 15 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Students in this major must complete at least 6 credits of their Foundations of Behavior within a single department and course prefix.

Students cannot declare this major as freshmen. Students must have a minimum ASU cumulative GPA of 3.00 to be accepted into this major, and students must maintain a minimum ASU cumulative GPA of 3.00 to remain in the major.

Hide Course List(s)/Track Group(s)


\section*{Biological Breadth}

PSY 325: Physiological Psychology
Developmental Breadth
PSY 341: Developmental Psychology (SB)

\section*{Social Breadth}

PSY 350: Social Psychology (SB)
PSY 351: Honors Social Psychology (L or SB)
\begin{tabular}{|c|}
\hline \\
\hline \begin{tabular}{l}
PSY 425: Biological Bases of Behavior (L) \\
PSY 426: Neuroanatomy
\end{tabular} \\
\hline PSY 427: Immunoneuropsychology: Research Foundation \\
\hline PSY 430: Industrial Psychology \\
\hline PSY 432: Embodied Cognition (L) \\
\hline PSY 434: Cognitive Psychology (L) \\
\hline PSY 437: Human Factors (L) \\
\hline PSY 441: Cognitive Development (L or SB) \\
\hline PSY 443: Abnormal Child Psychology (L or SB) \\
\hline PSY 444: Adolescent Psychology and Psychopathology \\
\hline PSY 446: Social Development (L or SB) \\
\hline PSY 447: Psychology of Aging (SB) \\
\hline PSY 451: Stereotyping, Prejudice, and Discrimination (L) \\
\hline PSY 458: Group Dynamics \\
\hline PSY 461: Interpersonal Influence (SB) \\
\hline PSY 462: Health Psychology \\
\hline PSY 465: Psychology of Stress and Coping \\
\hline PSY 468: Psychology and Law \\
\hline PSY 470: Psychopharmacology \\
\hline PSY 471: Psychological Testing \\
\hline PSY 472: Clinical Psychology \\
\hline PSY 498: Pro-Seminar \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

\section*{Total College Residency Hrs: 12 minimum}
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Religious Studies (Religion, Culture and Public Life), BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LARELCPBA
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline 4. REL 101: Religion, Culture and Public Life ((L or HU) \& G) & 3 & C \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Elective & 2 & \\
\hline Maintain 2.50 GPA in REL. & & \\
\hline Term hours subtota & 16 & \\
\hline
\end{tabular}

Notes
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Test score determines placement in mathematics course
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman students
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 216-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- See Religion, Culture and Public Life course list below. Students complete 15 credits from the Religion, Culture and Public Life concentration as part of the Religious Studies major. \\
- Join a student club or professional organization. \\
- If interested in law school, review Pre-Law at ASU website.
\end{tabular}} \\
\hline Religion, Culture and Public Life Concentration Course & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{(4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Maintain 2.50 GPA in REL. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 330-46 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline REL Outside Concentration Course & 3 & C & \multirow[b]{3}{*}{- Outside Concentration courses include any REL courses that are not listed in the Religion, Culture and Public Life concentration. REL 100 and REL 321 may count as either Religion, Culture and Public} \\
\hline Related Area Course & 3 & C & \\
\hline Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & Life concentration courses, or as Outside \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

Complete First-Year Composition requirement.

- Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Explore opportunities to study abroad.
\begin{tabular}{|c|c|c|}
\hline Term 446-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline (1) Religion, Culture and Public Life Concentration Course & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & \\
\hline Maintain 2.50 GPA in REL. & & \\
\hline Term hours subtotal: & 14 & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline \(\uparrow\) REL 307: Religion: Theory and Practice & 3 & C \\
\hline Upper Division Religion, Culture and Public Life Concentration Course & 3 & C \\
\hline Related Area Course & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Elective & 3 & \\
\hline Maintain 2.50 GPA in REL. & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- REL 307 is typically offered only in the Fall semester.
- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.
\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Religion, Culture and Public Life Concentration Course & 3 & C & \multirow[t]{4}{*}{- Upper division Outside Concentration courses include any upper division REL courses that are not listed in the Religion, Culture and Public Life concentration. REL 321 may count as either a Religion, Culture and Public Life concentration course, or as an Outside Concentration course, but not both.} \\
\hline Upper Division REL Outside Concentration Course & 3 & C & \\
\hline Upper Division Related Area Course & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective OR REL 484: Internship & 3 & & \multirow[t]{3}{*}{\begin{tabular}{l}
- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor. \\
- Explore graduate school opportunities.
\end{tabular}} \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Maintain 2.50 GPA in REL. & & & \\
\hline Term hours subtotal: & 15 & & - If planning on law school, prepare to take the LSAT. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Religion, Culture and Public Life Concentration Course & 3 & C & \multirow[t]{3}{*}{- Research employment opportunities through Handshake.} \\
\hline Upper Division Related Area Course & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Social-Behavioral Sciences (SB) & \multicolumn{2}{|l|}{3} \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} \\
\hline Maintain 2.50 GPA in REL. & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline 3 REL 405: Problems in Religious Studies & 3 & C \\
\hline Upper Division Related Area Course & 3 & C \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{9} \\
\hline \multicolumn{3}{|l|}{Maintain 2.50 GPA in REL.} \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Attend career fairs, workshops and related events offered by the Career and Professional Development Center.
- REL 405 is a special topics seminar that serves as the capstone course for this major and is typically offered only in the Spring semester.
- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.
- Apply for career opportunities.
- Students complete 15 credit hours in the Religion, Culture and Public Life concentration, at least nine of which must be upper-division.

Students complete six credits of Outside Concentration REL courses, at least three of which must be upper-division. The Outside Concentration courses are any REL courses NOT in the Religion, Culture and Public Life concentration list. Due to their broad content, REL 100 and REL 321 may count as either Religion, Culture and Public Life concentration courses, or as Outside Concentration courses, but each course will satisfy only ONE requirement, not both.

Students complete 15 credits of courses in Related Areas, at least nine of which must be upper-division.

At least 12 upper-division hours in the major (REL) must be in courses offered by the College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)

Religion, Culture and Public Life Courses
REL 100: Religions of the World (HU \& G)
REL 200: Exploring the World's Religions ((L or HU) \& G)

REL 202: Religion and Popular Culture (HU \& C)

REL 205: Life, Sex and Death (HU)

REL 207: Ritual, Symbol, and Myth (L or \(\mathrm{HU})\)

REL 270: Introduction to Christianity (HU)

REL 287: Topics in Film, Media, and Religion (HU \& G)

REL 301: Comparative Mysticism (HU)

REL 310: Western Religious Traditions (HU \& H)

REL 315: Hebrew Bible (Old Testament) ((L or HU ) \& H)

REL Outside Concentration Courses

Any REL course that is NOT listed in the Religion, Culture and Public Life concentration except for REL 100 and REL 321 , which may be used either inside or outside the concentration, but not both.

REL 100: Religions of the World (HU \& G)
REL 321: Religion in America ((L or HU) \& C \& H)

\section*{Related Area}

AFR OR AIS OR AMS OR APA OR ARS OR ASB OR GCU OR HST OR JUS OR PHI OR SGS OR SOC OR WST Elective

JST Elective (not from JST 131, 132, 231, or 232)

ARB 331: Arabic/Islamic Culture and Literature (HU \& H \& G)

ARB 335: Arabic Culture and Islam (G)
ARB 336: Introduction to the Qur'an
ARB 337: Hadith and Prophetic Tradition

ARB 341: Quran Text and Women (HU \& H)

ARB 351: Classical Arabic Literature

ARB 352: Modern Arabic Literature in Translation

BIO 312: Bioethics (HU)

REL 320: American Religious Traditions (HU \& C \& H)

REL 321: Religion in America ((L or HU) \& C \& H)

REL 326: U.S. Latino Religion and Culture (HU \& C)

REL 330: Native American Worldviews (HU \& C)

REL 343: Daoism ((L or HU) \& G \& H)

REL 346: Chinese Religions

REL 350: Hinduism ((L or HU) \& G)

REL 351: Buddhism ((L or HU) \& G)

REL 357: Theravada Buddhism in South and Southeast Asia ((L or HU) \& G)

REL 365: Islamic Civilization (HU \& H)

REL 371: New Testament (HU)

REL 372: Formation of the Christian Tradition ( \(\mathrm{HU} \& \mathrm{H}\) )

REL 382: Magick, Religion and Science (L or HU)

REL 390: Women, Gender and Religion (HU \& G)

REL 393: Religion and Sex (HU)

BIO 315: Science, Values, and the Public or ENG 370: Science, Values, and the Public

BIO 344: Origins, Evolution, and Creation
CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)

CHI 345: Chinese Film and Civilization

CHI 451: Chinese Cultural History I ((HU or
SB) \& H) or SLC 451: Chinese Cultural
History I ((HU or SB) \& H)

CHI 452: Chinese Cultural History II (SB \& G \& H) or SLC 452: Chinese Cultural History II (SB \& G \& H)

ENG 305: Classical and Biblical Backgrounds to Literature

ENG 315: Medieval Literature in Translation (HU)

ENG 333: Magic Jews: Contemporary
American Jewish Fiction ((L or HU) \& C)

ENG 353: African American Literature:
Beginnings through the Harlem Renaissance ((L or HU) \& C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) \& C)

ENG 356: The Bible as Literature (HU)
ENG 359: Indigenous American Literature ((L or HU) \& C)

FMS 202: Religion and Popular Culture (HU \& C)

FMS 287: Topics in Film, Media, and Religion (HU \& G)

FMS 313: Anti-Semitism in the Media

FMS 376: Virgin Mary in History, Film, and Culture (L or HU)

FMS 486: Holocaust on Film

HEB 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary Readings of the Hebrew Bible (L or HU)

HEB 347: Modern Israeli Literature in Translation (HU \& G) or SLC 347: Modern Israeli Literature in Translation (HU \& G)

HEB 348: Israeli Society and Culture (HU \& G) or SLC 348: Israeli Society and Culture (HU \& G)

HEB 375: Contemporary Culture of Israel (HU \& G)

HEB 411: Judaism and the Beginnings of Christianity

IAS 220: Psychology, Multicultural
Narratives, and Religion ((L or HU) \& C)

IAS 430: Science and Religion (L or HU)
KOR 250: Korean Culture and Society (HU \& G)

KOR 347: Korean Film and Literature (HU)

KOR 350: Women of Korea (H)

KOR 354: Religions of Korea (HU)
MUS 347: Jazz in America (HU \& C)
MUS 355: American Music (HU \& C \& H)
MUS 371: World Music (HU \& G)
POS 378: Religion, War and Peace (L)
POS 388: Religion, Ethics, and International Politics

POS 473: Religion, Violence, and Conflict Resolution

PSY 350: Social Psychology (SB)
PSY 395: Religion and Psychology
SLC 142: Ancient Greek Civilization (HU \& H) or GRK 142: Ancient Greek Civilization ( \(\mathrm{HU} \& \mathrm{H}\) )

SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

SLC 361: Roman Religion (HU) or LAT 361: Roman Religion (HU)

SLC 362: Ancient Greek Religion or GRK 362: Ancient Greek Religion

SLC 444: Heroes, Ancient and Modern (L or HU) or GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU)

SLC 455: Multi-Kulti: Multiculturalism Through Film (G) or GER 455: Multi-Kulti: Multiculturalism Through Film (G)

TCL 328: U.S. Latino Religion and Culture ( \(\mathrm{HU} \& \mathrm{C}\) )

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Religious Studies (Religion, Culture and Public Life), BA}

School/College: College of Liberal Arts and Sciences.
Location: Online
LARELCPBA
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1) REL 101: Religion, Culture and Public Life ((L or HU) \& G) & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ASU 101 is not required of transfer students. \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline ASU 101-UC: The ASU Experience & 1 & & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \\
\hline Maintain 2.50 GPA in REL course work. & & & \\
\hline Term hours subtotal & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours & & Hours & Minimum Grade & Notes \\
\hline MAT 142: College Mathematics (MA) & & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
\end{tabular}} \\
\hline Humanities, Arts and Design (HU) & & 3 & & \\
\hline & Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 13-20 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV.

Term hours subtotal:
7
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.

\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 27-34 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Related Area Course & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 3-B 34-41 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline REL Outside Concentration Course & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Please see REL Outside Concentration Course list below. \\
- Explore opportunities to study abroad. Online students are eligible and encouraged to participate!
\end{tabular}} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{(4) Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{(1) Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{Maintain 2.50 GPA in REL course work.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \\
\hline Term 4-A 41-48 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours M & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) Religion, Culture and Public Life Concentration Course & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Explore the Career and Professional Development Center's website and arrange a virtual advising session with a career counselor for assistance with career planning and networking. \\
- If interested in law school, make a phone appointment with the pre-law advisor.
\end{tabular}} \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Maintain 2.50 GPA in REL course work. & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-B 48-54 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Computer/Statistics/Quantitative Applications (CS) & 3 \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 \\
\hline Term hours subtotal: & 6 \\
\hline
\end{tabular}
- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.



\begin{tabular}{|c|c|c|c|}
\hline Term 9-B 109-114 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline REL 407: Religious Studies Capstone II & 2 & C & \multirow{4}{*}{- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.} \\
\hline Upper Division Elective & 3 & & \\
\hline Maintain 2.50 GPA in REL course work. & & & \\
\hline Term hours subtotal: & 5 & & \\
\hline Term 10-A 114-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Related Area Course & \multicolumn{2}{|r|}{\multirow[t]{2}{*}{\(3 \times\)}} & \multirow{2}{*}{- Apply for career opportunities.} \\
\hline Upper Division Elective & & & \\
\hline \multicolumn{3}{|l|}{Maintain 2.50 GPA in REL course work.} & \\
\hline Term hours subtota & 6 & & \\
\hline
\end{tabular}
- Students complete 15 credit hours in the Religion, Culture and Public Life concentration, at least nine of which must be upper-division.

Students complete six credit hours in Outside Concentration REL courses, at least three of which must be upper-division. Outside Concentration courses include all REL courses that are not part of the Religion, Culture and Public Life concentration. Due to their broad content, REL 100 and REL 321 appear in both the Religion, Culture and Public Life and the Outside Concentration course lists. Students may use these courses to satisfy a concentration requirement OR an Outside Concentration requirement, but each course will apply toward only ONE requirement, not both

Students complete 15 credits of courses in related areas, at least nine of which must be upper-division.

At least 12 upper-division hours in the major (REL) must be in courses offered by the College of Liberal Arts and Sciences.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Religion, Culture and Public Life & REL Outside Concentration Courses & Related Area \\
\hline REL 100: Religions of the World (HU \& G) & REL 100: Religions of the World (HU \& G) & \multirow[t]{2}{*}{AFR OR APA OR ARS OR ASB OR GCU OR HST OR JUS OR PHI OR SOC OR WST Elective} \\
\hline REL 202: Religion and Popular Culture (HU \& C) & REL 107: Religion and Globalization (HU \& G) & \\
\hline REL 205: Life, Sex and Death (HU) & REL 321: Religion in America ((L or HU) \& & \begin{tabular}{l}
ENG 333: Magic Jews: Contemporary \\
American Jewish Fiction ((L or HU) \& C)
\end{tabular} \\
\hline \begin{tabular}{l}
REL 207: Ritual, Symbol, and Myth (L or \(\mathrm{HU})\) \\
REL 301: Comparative Mysticism (HU)
\end{tabular} & REL 366: Islam in the Modern World (HU \& G) & \begin{tabular}{l}
ENG 353: African American Literature: \\
Beginnings through the Harlem Renaissance ((L or HU) \& C)
\end{tabular} \\
\hline REL 315: Hebrew Bible (Old Testament) ((L or HU) \& H) & REL 374: Witchcraft and Heresy in Europe ((L or HU) \& H) & \begin{tabular}{l}
ENG 354: African American Literature: \\
Harlem Renaissance to the Present ((L or HU) \& C)
\end{tabular} \\
\hline REL 320: American Religious Traditions (HU \& C \& H) & & ENG 356: The Bible as Literature (HU) \\
\hline REL 321: Religion in America ((L or HU) \& & & MUS 347: Jazz in America (HU \& C) \\
\hline C \& H) & & MUS 355: American Music (HU \& C \& H) \\
\hline REL 350: Hinduism ((L or HU) \& G) & & MUS 371: World Music (HU \& G) \\
\hline REL 351: Buddhism ((L or HU) \& G) & & PSY 350: Social Psychology (SB) \\
\hline
\end{tabular}

REL 371: New Testament (HU)
REL 390: Women, Gender and Religion (HU
\& G)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Religious Studies (Religion, Politics and Global Affairs), BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LARELPGBA
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline 4. REL 101: Religion, Culture and Public Life ( ( or HU) \& G) & 3 & C \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Elective & 2 & \\
\hline Maintain 2.50 GPA in REL. & & \\
\hline Term hours subtot & 16 & \\
\hline
\end{tabular}

Notes
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU Mathematics Placement Test score determines placement in mathematics course
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman students
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.
- Select your career interest area and play me3@ASU
\begin{tabular}{|l|l|l|l|}
\hline Term \(216-30\) Credit Hours Critical course signified by \(\rangle\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

Religion, Politics and Global Affairs Concentration Course 3 C
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or 4 C equivalent), including American Sign Language IV

Natural Science - Quantitative (SQ)
4
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Maintain 2.50 GPA in REL.
Term hours subtotal:
14
- See Religion, Politics and Global Affairs course list below. Students complete 15 credits from the Religion, Politics and Global Affairs concentration as part of the Religious Studies major.
- Join a student club or professional organization.
- If interested in law school, review the Pre-Law at ASU website.
\begin{tabular}{|c|c|c|}
\hline Term 330-46 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline REL Outside Concentration Course & 3 & C \\
\hline Related Area Course & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline
\end{tabular}
- Outside Concentration courses include any REL courses that are not listed in the Religion, Politics and Global Affairs concentration. REL 100 and REL 321 may count as either Religion, Politics and Global Affairs concentration courses, or as Outside Concentration courses, but not both.
- Please see list of Related Area courses below. Complete First-Year Composition requirement.

4 Complete Mathematics (MA) requirement.

- Some General Studies requirements can overlap with major courses, leaving more room for electives. Consult an academic advisor to select the best courses for your personal plan of study.
- Explore opportunities to study abroad.
\begin{tabular}{|c|c|c|}
\hline Term 446-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline (1) Religion, Politics and Global Affairs Concentration Course & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline \begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular} & 3 & \\
\hline Maintain 2.50 GPA in REL. & & \\
\hline Term hours subtotal: & 14 & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline \(\uparrow\) REL 307: Religion: Theory and Practice & 3 & C \\
\hline Upper Division Religion, Politics and Global Affairs Concentration Course & 3 & C \\
\hline Related Area Course & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Elective & 3 & \\
\hline Maintain 2.50 GPA in REL. & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- REL 307 is typically offered only in the Fall semester.
- Choosing a Humanities (HU) course that also satisfies Historical Awareness (H) is recommended if these requirements have not already been satisfied.
Term 675-90 Credit Hours Necessary course signified by \(\quad\) Hours \(\left.\begin{array}{c|c|c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

Upper Division Religion, Politics and Global Affairs 3 Concentration Course C..........
\(\begin{array}{lll}\text { Upper Division REL Outside Concentration Course } & 3 & \text { C }\end{array}\)
Upper Division Related Area Course 3 C
Upper Division Humanities, Arts and Design (HU) OR Upper
Division Social-Behavioral Sciences (SB)
Elective OR REL 484: Internship 3
Complete Cultural Diversity in the U.S. (C) AND Global
Awareness (G) AND Historical Awareness (H) course(s).
Maintain 2.50 GPA in REL.
Term hours subtotal:
15
Term 7 90-105 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
- Upper division Outside Concentration courses include any upper division REL courses that are not listed in the Religion, Politics and Global Affairs concentration. REL 321 may count as either a Religion, Politics and Global Affairs concentration course, or as an Outside Concentration course, but not both.
- Participate in an internship to gain valuable career experience and contacts. For help exploring internship opportunities related to your major, meet with an academic advisor.
- Explore graduate school opportunities.
- If planning on law school, prepare to take the LSAT. opportunities.
\begin{tabular}{|c|c|c|}
\hline Social-Behavioral Sciences (SB) & \multicolumn{2}{|l|}{3} \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} \\
\hline \multicolumn{3}{|l|}{Maintain 2.50 GPA in REL.} \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline 3 REL 405: Problems in Religious Studies & 3 & C \\
\hline Upper Division Related Area Course & 3 & C \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{9} \\
\hline \multicolumn{3}{|l|}{Maintain 2.50 GPA in REL.} \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Attend career fairs, workshops and related events offered by the Career and Professional Development Center.
- REL 405 is a special topics seminar that serves as the capstone course for this major and is typically offered only in the Spring semester.
- Take advantage of mock interview opportunities and assistance with writing resumes and cover letters.
- Apply for career opportunities.
- Students complete 15 credit hours in the Religion, Politics and Global Affairs concentration, at least nine of which must be upper-division.

Students complete six credits of Outside Concentration REL courses, at least three of which must be upper-division. The Outside Concentration courses are any REL courses NOT in the Religion, Politics and Global Affairs concentration list. Due to their broad content, REL 100 and REL 321 may count as either Religion, Politics and Global Affairs concentration courses, or as Outside Concentration courses, but each course will satisfy only ONE requirement, not both.

Students complete 15 credits of courses in Related Areas, at least nine of which must be upper-division.

At least 12 upper-division hours in the major (REL) must be in courses offered by the College of Liberal Arts and Sciences.

Hide Course List(s)/Track Group(s)
Religion, Politics and Global Affairs
REL 100: Religions of the World (HU \& G)
REL 107: Religion and Globalization (HU \&
G)

REL 201: Religion and the Modern World (L or HU )

REL 225: African American Religion (HU \& C)

REL 319: Religion, Violence and America

REL 321: Religion in America ((L or HU) \& C \& H)

REL 347: Peace and Conflict in India ((L or HU) \& G)

REL 352: Modern Buddhism
REL 354: Religions of Korea (HU)
REL 362: Islam and Islamic Societies in
Africa: Social and Political History (G)

\section*{REL Outside Concentration Courses}

Any REL course that is NOT listed in the Religion, Politics and Global Affairs concentration except for REL 100 and REL 321, which may be used either inside or outside the concentration, but not both.

REL 100: Religions of the World (HU \& G)
REL 321: Religion in America ((L or HU) \& C \& H)

\section*{Related Area}

AFR OR AIS OR AMS OR APA OR ARS OR ASB OR GCU OR HST OR JUS OR PHI OR SGS OR SOC OR WST Elective

JST Elective (not from JST 131, 132, 231, or 232)

ARB 331: Arabic/Islamic Culture and Literature (HU \& H \& G)

ARB 335: Arabic Culture and Islam (G)
ARB 336: Introduction to the Qur'an
ARB 337: Hadith and Prophetic Tradition
ARB 341: Quran Text and Women (HU \& H)

ARB 351: Classical Arabic Literature

ARB 352: Modern Arabic Literature in Translation

BIO 312: Bioethics (HU)

REL 363: Islam and World Affairs (G)
REL 364: Islam in Eurasia and Central Asia
REL 366: Islam in the Modern World (HU \& G)

REL 374: Witchcraft and Heresy in Europe
((L or HU) \& H)
REL 377: Religion in Russia (HU \& H)
REL 378: Religion, War and Peace (L)
REL 379: Religion, Nationalism, and Ethnic Conflict (HU \& G)

REL 381: Religion and Moral Issues (L or \(\mathrm{HU})\)

REL 387: Religion and Conflict: Theories and Cases ((L or HU) \& G)

REL 388: Religion, Ethics, and International Politics

REL 461: Different Voices Within
Contemporary Islamic Discourse
REL 482: Religion, Violence, and Conflict Resolution

BIO 315: Science, Values, and the Public or ENG 370: Science, Values, and the Public

BIO 344: Origins, Evolution, and Creation
CHI 120: Introduction to Chinese Culture (L or HU) or SLC 120: Introduction to Chinese Culture (L or HU)

CHI 345: Chinese Film and Civilization

CHI 451: Chinese Cultural History I ((HU or
SB) \& H) or SLC 451: Chinese Cultural
History I ((HU or SB) \& H)
CHI 452: Chinese Cultural History II (SB \& G \& H) or SLC 452: Chinese Cultural History II (SB \& G \& H)

ENG 305: Classical and Biblical Backgrounds to Literature

ENG 315: Medieval Literature in Translation (HU)

ENG 333: Magic Jews: Contemporary
American Jewish Fiction ((L or HU) \& C)

ENG 353: African American Literature:
Beginnings through the Harlem Renaissance ((L or HU\() \& \mathrm{C})\)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) \& C)

ENG 356: The Bible as Literature (HU)
ENG 359: Indigenous American Literature ((L or HU) \& C)

FMS 202: Religion and Popular Culture (HU \& C)

FMS 287: Topics in Film, Media, and Religion (HU \& G)

FMS 313: Anti-Semitism in the Media

FMS 376: Virgin Mary in History, Film, and Culture (L or HU)

FMS 486: Holocaust on Film

HEB 316: Literary Readings of the Hebrew Bible (L or HU) or ENG 316: Literary
Readings of the Hebrew Bible (L or HU)
HEB 347: Modern Israeli Literature in Translation (HU \& G) or SLC 347: Modern Israeli Literature in Translation (HU \& G)

HEB 348: Israeli Society and Culture (HU \& G) or SLC 348: Israeli Society and Culture (HU \& G)

HEB 375: Contemporary Culture of Israel (HU \& G)

HEB 411: Judaism and the Beginnings of Christianity

IAS 220: Psychology, Multicultural
Narratives, and Religion ((L or HU) \& C)

IAS 430: Science and Religion (L or HU)
KOR 250: Korean Culture and Society (HU \& G)

KOR 347: Korean Film and Literature (HU)

KOR 350: Women of Korea (H)

KOR 354: Religions of Korea (HU)
MUS 347: Jazz in America (HU \& C)
MUS 355: American Music (HU \& C \& H)
MUS 371: World Music (HU \& G)
POS 378: Religion, War and Peace (L)
POS 388: Religion, Ethics, and International Politics

POS 473: Religion, Violence, and Conflict Resolution

PSY 350: Social Psychology (SB)
PSY 395: Religion and Psychology
SLC 142: Ancient Greek Civilization (HU \& H) or GRK 142: Ancient Greek Civilization ( \(\mathrm{HU} \& \mathrm{H}\) )

SLC 223: Introduction to Greek and Roman Mythology (HU) or GRK 223: Introduction to Greek and Roman Mythology (HU) or LAT 223: Introduction to Greek and Roman Mythology (HU)

SLC 361: Roman Religion (HU) or LAT 361: Roman Religion (HU)

SLC 362: Ancient Greek Religion or GRK 362: Ancient Greek Religion

SLC 444: Heroes, Ancient and Modern (L or HU) or GRK 444: Heroes, Ancient and Modern (L or HU) or LAT 444: Heroes, Ancient and Modern (L or HU)

SLC 455: Multi-Kulti: Multiculturalism Through Film (G) or GER 455: Multi-Kulti: Multiculturalism Through Film (G)

TCL 328: U.S. Latino Religion and Culture ( \(\mathrm{HU} \& \mathrm{C}\) )

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LARUSBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SLC 201: Introduction to Linguistics (HU or SB) & \multicolumn{2}{|l|}{3} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline RUS 101: Elementary Russian I & 5 & C \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. Students with previous experience in the language are required to take a language placement test.
- Engage in Russian at ASU.
- Play me3 and set up your Handshake account.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Meet with a School of International Letters and Cultures academic advisor to discuss the \\
\hline RUS 102: Elementary Russian II & 5 & C & - Attend a Financing Your Study Abroad \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & Program Workshop. \\
\hline Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Elective & 1 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3 30-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4 RUS 211: Basic Russian Conversation I (G) & 3 & C & Explore your career interest area. \\
\hline 4 ( SLC 202: Introduction to Literary and Cultural Theory & 3 & C & \\
\hline RUS 201: Intermediate Russian I (G) & 5 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline 4. Complete First-Year Composition requirement. & & & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 45-60 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline RUS 212: Basic Russian Conversation II (G) & 3 & C \\
\hline RUS 202: Intermediate Russian II (G) & 5 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}

Term hours subtotal:
15
\begin{tabular}{|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline R RUS 311: Russian Composition and Conversation I (G) & 3 & C \\
\hline Related Area Course & 3 & C \\
\hline RUS OR SLV Upper Division Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Term hours subtotal & 15 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline RUS 312: Russian Composition and Conversation II (G) & 3 & C \\
\hline SLV 304: Digital Humanities for Language Majors (CS) OR SLV 440: History of Slavic Languages (SB) & 3 & C \\
\hline Upper Division Restricted Electives & 3 & C \\
\hline Related Area Course & 3 & C \\
\hline Elective & 3 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline RUS 411: Advanced Composition and Conversation I (G) OR RUS 412: Advanced Composition and Conversation II (G) & 3 & C & - Learn ways on how to build your skills. \\
\hline Upper Division Restricted Electives & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 8 \text { 105-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- SLC 400-level language and/or translation courses may not be used to satisfy the SLC 400-Level Required Course Option.
Hide Course List(s)/Track Group(s)
SLC 400-Level Required Culture Course

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Sociology, BS}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LASOCBS


Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 3-45 Credit Hours Critical course signified by \({ }^{\text {2 }}\) & Hours & Minimum Grade & Notes \\
\hline SOC Elective & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline 4 Complete First-Year Composition requirement. & & & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline Additional Related Area Course AND Social-Behavioral Sciences (SB) & 3 & C & - Explore an internship \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Elective} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SOC 390: Social Statistics I (CS) & 3 & C & \\
\hline Additional Related Area Course AND Social-Behavioral Sciences
(SB) & 3 & C & \\
\hline SOC Upper Division Elective & 3 & C & \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SOC 391: Research Methods (L or SB) OR FAS 361: Research Methods (L or SB) & 3 & C & \multirow[t]{7}{*}{- Use Handshake to research employment opportunities} \\
\hline SOC Upper Division Elective & 3 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SOC 483: History of Social Thought (SB) OR SOC 486: Contemporary Theory (SB) & 3 & C & \multirow[t]{6}{*}{- Gather professional references} \\
\hline SOC Upper Division Elective & 3 & C & \\
\hline Upper Division Elective OR SOC 484: Internship & 3 & & \\
\hline Upper Division Elective & 3 & \(\ldots\) & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SOC Upper Division Elective & 3 & C & \multirow[t]{2}{*}{- Apply for full-time career opportunities} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Related Area Course
\end{tabular} & 6 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be
upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Students choose 9 credit hours from the related area prefixes below. The additional 6 credit hours of related area work may be from any any prefix but must also carry the "SB" General Studies designation.

Hide Course List(s)/Track Group(s)
Related Area Courses
AFR OR APA OR ASB OR CDE OR ECN
OR FAS OR GCU OR HST OR POS OR PSY
OR TCL OR WST Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Sociology, BS}

School/College: College of Liberal Arts and Sciences
Location: Online
LASOCBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline 4. SOC 101: Introductory Sociology (SB) & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses. \\
- Mathematics Placement Assessment score determines placement in mathematics course.
\end{tabular}} \\
\hline ASU 101-UC: The ASU Experience & 1 & & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \\
\hline Term hours subtotal: & 7 & & \begin{tabular}{l}
- ASU 101 or College specific equivalent First Year Seminar is required of all freshman students. \\
- Select a career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours & Hours & Minimum Grade & Notes \\
\hline SOC 241: Modern Social Problems (SB) OR SOC 264: Gender and Society (SB \& C) OR SOC 270: Racial and Ethnic Relations (SB \& C) & 3 & & \multirow[t]{3}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: 3 C First-Year Composition or ENG 108: First-Year Composition

Elective 3
Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-A 25-32 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
Additional Related Area Course AND Social-Behavioral Sciences 3 (SB)

C
\begin{tabular}{|c|c|}
\hline Natural Science - Quantitative (SQ) & 4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 32-38 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Related Area Course \(\quad 3\) C
- Develop your skills

\begin{tabular}{|c|c|c|c|}
\hline W SOC Upper Division Elective & 3 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SOC 483: History of Social Thought (SB) & 3 & C & \multirow{3}{*}{- Use Handshake to research employment opportunities} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8 - B 93-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SOC Upper Division Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 9-B 105-111 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Related Area Course & 3 & C & \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SOC Upper Division Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 10-B 117-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Students choose 9 credit hours from the related area prefixes below. The additional 6 credit hours of related area work may be from any any prefix but must also carry the "SB" General Studies designation.

\section*{Hide Course List(s)/Track Group(s)}

Related Area Courses

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Spanish - Linguistics, BA
School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LASPABA

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\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4. SLC 201: Introduction to Linguistics (HU or SB) & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline SPA 111: Fundamentals of Spanish & 4 & C \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Only true beginners are eligible to take SPA 101 and are required to request a permission override to register for this course. Students who have had previous experience in Spanish are required to take a Spanish Placement Test.
- Learn about Spanish Language Intensive Courses.
- Engage in Spanish at ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Start planning to study abroad. Learn about Global Intensive Experience and/or \\
\hline SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish for Bilinguals (G) & 4-6 & C & Argentina, Brazil, Costa Rica, Mexico, and Leon or Sevilla, Spain, offered through ASU \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & Study Abroad and the School of International \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \begin{tabular}{l}
Letters and Cultures (SILC). \\
- Attend a Financing Your Study Abroad
\end{tabular} \\
\hline Elective & 3 & & - Spanish offers a huge advantage if you are \\
\hline (1) Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & interested in working in the Peace Corps. \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & & - Select your career interest area and play me3@ASU \\
\hline Term hours subtotal: & 16-18 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4 SLC 202: Introduction to Literary and Cultural Theory & 3 & C & - Meet with a School of International Letters \\
\hline SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish for Bilinguals (G) & 4 & C & and Cultures academic advisor to discuss internships and scholarships and awards for \\
\hline Natural Science - Quantitative (SQ) & 4 & & language and culture majors. \\
\hline Elective & 3 & & - Many upper division elective courses have prerequisites which may be taken as electives \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{4 Complete Mathematics (MA) requirement.} & \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 44-60 Credit Hours Critical course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Spanish Conversation and Composition for Bilinguals (C) & 3 & C & \multirow[t]{2}{*}{- Proficiency in Spanish and/or Portuguese offers an advantage to those who are interested in U.S. State Department careers} \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Advanced Spanish II for Bilinguals (L \& C) & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Enroll in listed courses or meet with a SILC academic advisor to discuss the best study abroad options for your major. \\
- Explore your career interest area with your academic advisor.
\end{tabular}} \\
\hline POR 101: Elementary Portuguese OR POR 320: Portuguese for Spanish Speakers I & 3-5 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15-17 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SPA 400: Introduction to Spanish Linguistics & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Learn about national scholarships, fellowships and research opportunities. \\
- Many upper division elective courses have prerequisites which may be taken as electives in earlier semesters. \\
- Use Handshake to research employment opportunities
\end{tabular}} \\
\hline 2 SPA 412: Advanced Conversation and Composition (G) & 3 & C & \\
\hline POR 201: Intermediate Portuguese (G) OR POR 321: Portuguese for Spanish Speakers II & 3-5 & C & \\
\hline SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) \& C) OR SPA 472: Latin American Society: Five Case Studies (HU \& H \& G) OR SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) \& G) OR SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) \& G) & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 15-17 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% SPA 418: Spanish Syntax & 3 & C & \multirow[t]{6}{*}{- Learn about ways to build your skills.} \\
\hline SPA 420: Applied Spanish Linguistics (L) & 3 & C & \\
\hline W Upper Division SPA Elective & 3 & C & \\
\hline Upper Division Elective OR SPA 484: Internship & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 4** SLC Required Culture Course & 3 & C \\
\hline S SPA 417: Spanish Phonetics and Phonology & 3 & C \\
\hline 2 SPA 419: Language Variations of Spanish & 3 & C \\
\hline Upper Division Elective & 3 & \\
\hline Elective & 3 & \\
\hline & 15 & \\
\hline
\end{tabular}
- Attend an ASU Career Services Workshop or Career Fair.
- SLC 400-level language and/or translation courses may not be used to satisfy the SLC 400-Level Required Course Option.


\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences.
Location: Tempe campus
LASPABA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. SLC 201: Introduction to Linguistics (HU or SB) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
- Only true beginners are eligible to take SPA 101 and are required to request a permission override to register for this course. Students who have had previous experience in Spanish are required to take a Spanish Placement Test. \\
- Learn about Spanish Language Intensive Courses. \\
- SPA 101 and 102 or SPA 110 may be substituted for SPA 111 \\
- Engage in Spanish at ASU.
\end{tabular}} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline SPA 111: Fundamentals of Spanish & 4 & C & \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Start to plan your study abroad experience. Learn about faculty-directed Global Intensive Experience and summer abroad programs in Argentina, Brazil, Costa Rica, Mexico, and Leon or Sevilla, Spain, offered through the ASU Study Abroad Office and the School of International Letters and Cultures. \\
- Attend a Financing Your Study Abroad Workshop. \\
- Students may opt to take SPA 210 Intensive Spanish II, a six credit course equivalent to SPA 201 and SPA 202 in term 2. \\
- Play me3@asu.edu and set up your Handshake account!
\end{tabular}} \\
\hline SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish for Bilinguals (G) & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness
(H) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{(4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Maintain 2.33 GPA in Critical Tracking Courses. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 330-44 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. SLC 202: Introduction to Literary and Cultural Theory & 3 & C & \multirow[b]{3}{*}{- Meet with a School of International Letters and Cultures academic advisor to discuss internships and scholarships and awards for language and culture majors.} \\
\hline SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish for Bilinguals (G) & 4 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & prerequisites which may be taken as electives \\
\hline
\end{tabular}

4 Complete Mathematics (MA) requirement
............................................................................................................................................................................................
Term hours subtotal: 14
\begin{tabular}{|l|l|l|l|}
\hline Term 444-60 Credit Hours Critical course signified by \\
4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
1. SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Spanish Conversation and Composition for Bilinguals (C) Natural Science - Quantitative (SQ) OR Natural Science - General (SG)

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

3

Complete 2 courses:
Elective
6
Maintain 2.33 GPA in Critical Tracking Courses.
Term hours subtotal:
16


SPA 314: Spanish Conversation and Composition (G) OR SPA 316:
Advanced Spanish II for Bilinguals (L \& C)
POR 101: Elementary Portuguese OR POR 320: Portuguese for Spanish Speakers I

3 C

Literacy and Critical Inquiry (L) 3
Elective
3
Term hours subtotal:
Term 6 74-90 Credit Hours Necessary course signified by

SPA 471: Civilization of the Indohispanomexicano Southwest ((L or
HU) \& C) OR SPA 472: Latin American Society: Five Case Studies (HU
\& H \& G) OR SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) \& G) OR SPA 474: Revolutionary Mexico and Postmodern Revisions ((L or HU) \& G)

Upper Division Spanish Literature and Culture Electives 3 C
SPA Upper Division Elective \(\quad 3\)

Upper Division Elective 3
Term hours subtotal:
15
- Enroll in listed courses or meet with a SILC academic advisor to discuss the best study abroad options for your major.
- Explore your career interest area with your academic advisor.
- Students completing their Portuguese requirement with POR 320 and 321 may need to complete additional elective hours.
- Students completing their Portuguese requirement with POR 320 and 321 may need to complete additional elective hours. prerequisites which may be taken as electives in earlier semesters.
Learn about national scholarships, fellowships and research opportunities.
\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 4** SLC 400-level Required Culture Course & 3 & C & \multirow[b]{2}{*}{- Attend an ASU Career Services Workshop or Career Fair.} \\
\hline \%** Spanish Literature Course & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Spanish Literature and Culture Electives
\end{tabular} & 6 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subt & 15 & & \\
\hline
\end{tabular}
- Students in the Spanish BA literature concentration must choose two upper division courses (six credit hours) of Spanish literature electives from a single regional option. Regional options include Latin American, Mexican American and Peninsular literature.

SLC 400-level language and/or translation courses may not be used to satisfy the SLC 400-Level Required Course Option.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline 4** Level Spanish Literature Course & SLC 400-Level Required Culture Course & Upper Division Literature and Culture Courses \\
\hline SPA 425: Foundational Texts of Spain (HU) & SLC 414: French and Italian Popular Culture & \multirow[t]{2}{*}{SPA 435: Cervantes-Don Quijote ((L or HU) \& H)} \\
\hline SPA 426: Literature and Society in Modern & SLC 429: Studies in European Literature and & \\
\hline Spain (HU) & Culture ((L or HU) \& G \& H) & \multirow[t]{2}{*}{SPA 454: 19th-Century Spanish American Narrative} \\
\hline SPA 427: Colonial and Postcolonial Latin & SLC 439: Art in Exile: VladÃ-mir & \\
\hline American Literature (L or HU) & VladÃ-mirovich Nabokov (HU \& L) & \multirow[t]{2}{*}{SPA 456: 20th-Century Spanish American Fiction} \\
\hline SPA 428: Foundational Texts of Latin & SLC 441: Fairy Tales (HU \& G) & \\
\hline American Literature Since Modernismo ((L or \(\mathrm{HU}) \& \mathrm{G})\) & SLC 444: Heroes, Ancient and Modern (L or HU) & SPA 475: Latin American Film ((L or HU) \& G) or SLC 475: Latin American Film ((L or HU) \& G) \\
\hline SPA 429: Writing Mexico: Major Texts ((L or HU) \& G) & SLC 445: The Holocaust in German-Mediated Memory & SPA 485: Chicano/a Short Story: Espanglish, Barrio y Xicanisma (L \& C) \\
\hline SPA 464: Jait \(\tilde{A}^{3} \mathrm{n}\) Works in Chicano/a Literature ((HU or SB) \& C) & SLC 446: Weimar-Era German Film & \multirow[t]{2}{*}{SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala} \\
\hline & SLC 447: German Modernism & \\
\hline & SLC 450: Experimental Narrative & SPA 487: Chicano/a Drama: Pachucos, Vendidos y Cerezitas (C) \\
\hline & SLC 451: Chinese Cultural History I ((HU or SB) \& H) & \\
\hline & SLC 452: Chinese Cultural History II (SB \& G \& H) & \\
\hline & SLC 455: Multi-Kulti: Multiculturalism Through Film (G) & \\
\hline & SLC 457: Premodern Korea in a Global Context & \\
\hline & SLC 465: Intercultural Communicative Competence & \\
\hline & SLC 475: Latin American Film ((L or HU) \& G) or SPA 475: Latin American Film ((L or HU) \& G) & \\
\hline & Academic Catalog Archive 2018-2019 & 3731 \\
\hline
\end{tabular}
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SLC 491: Asian Popular Culture

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SLC 491: Crossing Languages and Cultures
SLC 491: Paris \& Florence in the Middle
Ages (1100-1500)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Spanish, BA
School/College: College of Liberal Arts and Sciences
Location: Online
LASPABA
\begin{tabular}{|c|c|c|c|}
\hline erm 1-A 0-8 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASU 101-UC: The ASU Experience
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR

3 C ENG 107 or ENG 108: First-Year Composition SPA 101: Elementary Spanish

4
C
Maintain 2.33 GPA in Critical Tracking Courses.
Term hours subtotal:
8
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college specific equivalent First-Year Seminar required of all freshman students
- Only true beginners are eligible to take SPA 101 and are required to request a permission override to register for this course. Students who have had previous experience in Spanish are required to take a Spanish Placement Test.

\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 22-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish for Bilinguals (G) & \multicolumn{2}{|l|}{4} & \multirow[t]{2}{*}{- Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.} \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the & 3 & & \\
\hline
\end{tabular}

\footnotetext{
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
}

\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 73-79 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 4** Spanish Literature & 3 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 79-85 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Earn credit toward your Spanish major abroad. Learn about your study abroad options.
- Explore an internship.
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 85-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline U Upper Division Major Electives & 3 & C & \multirow[t]{3}{*}{- Develop your professional online presence.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 91-97 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Major Electives & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 9-B 109-114 Credit Hours & Hours & Minimum Grade & Notes \\
\hline POR 101: Elementary Portuguese OR POR 320: Portuguese for Spanish Speakers I & 5-3 & C & \multirow[t]{2}{*}{\begin{tabular}{l}
- Three credit hours of POR 101 will be applied to the Spanish major requirements. The extra 2 credit hours from POR 101 will be applied toward the 120 total credit hours required for graduation. \\
- Learn about ways to build skills.
\end{tabular}} \\
\hline Term hours subtotal: & 5-3 & & \\
\hline Term 10-A 114-120 Credit Hours Necessary course signified by & Hour & Minimu Grad & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Upper Division Major Electives & 3 C \\
\hline Elective & 3 \\
\hline & Term hours subtotal: 6 \\
\hline \multicolumn{2}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Spanish Literature & Upper-Division Major Electives \\
\hline SPA 425: Foundational Texts of Spain (HU) & \multirow[t]{2}{*}{SPA 319: Business Correspondence and Communication (G)} \\
\hline SPA 426: Literature and Society in Modern & \\
\hline Spain (HU) & SPA 400: Introduction to Spanish Linguistics \\
\hline SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) & SPA 413: Advanced Spanish Grammar (G) \\
\hline SPA 428: Foundational Texts of Latin & SPA 414: Spanish for Sustainability and Environmental Studies \\
\hline American Literature Since Modernismo ((L or HU) \& G) & SPA 420: Applied Spanish Linguistics (L) \\
\hline SPA 429: Writing Mexico: Major Texts ((L or & SPA 425: Foundational Texts of Spain (HU) \\
\hline HU) \& G) & \multirow[t]{2}{*}{SPA 426: Literature and Society in Modern Spain (HU)} \\
\hline SPA 486: Chicano/a Novel: Ãltima, Rafa y & \\
\hline Lala & SPA 427: Colonial and Postcolonial Latin American Literature (L or HU) \\
\hline & SPA 428: Foundational Texts of Latin American Literature Since Modernismo ((L or HU) \& G) \\
\hline & SPA 429: Writing Mexico: Major Texts ((L or HU) \& G) \\
\hline & SPA 471: Civilization of the Indohispanomexicano Southwest ((L or HU) \& C) \\
\hline & SPA 472: Latin American Society: Five Case Studies (HU \& H \& G) \\
\hline & SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) \& G) \\
\hline & SPA 484: Internship \\
\hline & SPA 486: Chicano/a Novel: Ãltima, Rafa y Lala \\
\hline & SPA 494: Advanced Spanish for Healthcare \\
\hline & SPA 494: Spanish with a Legal Focus \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LATCLMBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). & 4 & C \\
\hline Elective & 3 & \\
\hline Term hours subtotal & 14 & \\
\hline
\end{tabular}
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, unless CLEP or AP credit fulfills this requirement. Majors are expected to fulfill this requirement in Spanish.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year Composition \\
OR ENG 105: Advanced First-Year Composition OR ENG 107: \\
First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Explore and select a career interest area. \\
\hline TCL Elective & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline \multicolumn{4}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by \({ }^{(+) .}\) & Hours & Minimum Grade & Notes \\
\hline TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU \& C) & 3 & C & \multirow[t]{2}{*}{- Join a student club or professional organization} \\
\hline TCL 220: Transborder Latina/o Expressive Culture ((L or HU or SB) \& C) & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline 4 Complete Mathematics (MA) requirement. & & & \\
\hline
\end{tabular}

\section*{Complete First-Year Composition requirement.}

Term hours subtotal: 14

\begin{tabular}{|c|c|c|c|}
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TCL 303: Transborder Theory (SB) & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Upper Division Spanish course requirement for the major may be fulfilled by AP credit earned. \\
- Explore an internship
\end{tabular}} \\
\hline TCL 332: Mexican American History Since 1900 (SB \& H \& C) OR HST 332: Mexican American History Since 1900 (SB \& H \& C) & 3 & C & \\
\hline Media and Expressive Culture Track Course & 3 & C & \\
\hline SPA Upper Division Elective & 3 & C & \\
\hline Upper Division Elective OR TCL 484: Internship & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline TCL 304: Transborder Research Methods (SB \& C) & 3 & C \\
\hline Media and Expressive Culture Track Course & 3 & C \\
\hline Complete 2 courses: TCL Elective & 6 & C \\
\hline
\end{tabular}
\(\qquad\)
\(\rightarrow\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15
Term 7 90-105 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § TCL 498: Pro-Seminar & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Complete 3 courses: Upper Division Elective & \multicolumn{2}{|l|}{9} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15
Academic Catalog Archive 2018-2019} & 3739 \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
Media and Expressive Culture
TCL 211: Transborder Chicano/a and Latino/a Poetry (HU \& C)

TCL 310: Transborder Chicano/a and Latino/a Folklore of Southwest North America (HU \& C)

TCL 328: U.S. Latino Religion and Culture (HU \& C)

TCL 331: Mexican American History to 1900 (SB \& H \& C)

TCL 335: Historical Studies in Race, Crime, and the Law

TCL 350: Transborder Mexican and Chicano/a Artistic Production (HU \& C \& G)

TCL 351: Transborder Chicano/a and Latino/a Art (HU \& C)

TCL 352: Chicana/o Film (C)
TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C)

TCL 364: Transborder Mexican Literature Before 1917 (L)

TCL 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU)

TCL 380: Race and Gender in American Film (HU \& C)

TCL 445: Transborder Latin American Short Story (L or HU)

TCL 446: Comparative Bilingual Latina/o Poetics ((L or HU) \& C)

TCL 464: Latina/o Literature ((L or HU) \& C)
TCL 465: Chicana/o and Latina/o History on Film (HU \& C)

TCL 466: Constructing the Border on Film (C)
TCL 470: Race, Sex, and Identity Online (HU)
TCL 471: Latinos In Hollywood (HU \& C)

TCL 485: Chicana and Latina Writers ((L or \(\mathrm{HU}) \& \mathrm{C}\) )

TCL 488: Border Global Narratives (L \& C)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Journalism and Mass Communication, BA}

School/College: Walter Cronkite School of Journalism \& Mass Comm
Location:
CSJMCBA
and
Transborder
Chicana/o
and
Latina/o
Studies
(Media and
Expressive
Culture),
BA
College of Liberal Arts and Sciences
LATCLMBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline (1. JMC 101: Grammar for Journalists & 1 & B- & \multirow[b]{9}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
- Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course. \\
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
\end{tabular}} \\
\hline 1. JMC 110: Principles and History of Journalism (SB) & 3 & C & \\
\hline ASU 101-CS: The ASU Experience & 1 & & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline JMC 102: Coding for Journalists & 1 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). & 4 & C & \\
\hline 4. Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
Term 2 16-32 Credit Hours Critical course signified by 1. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). & 4 & C & \\
\hline \multicolumn{4}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{4}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 32-48 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline JMC 366: Journalism Ethics and Diversity & 3 & C & \multirow[b]{2}{*}{- Network in your career interest area} \\
\hline TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU \& C) & 3 & C & \\
\hline PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) & 3 & & \\
\hline Media and Expressive Culture Track Course & \multicolumn{2}{|r|}{3 C} & \\
\hline Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). & 4 & C & \\
\hline \multicolumn{4}{|l|}{4 (1) Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{4}{|l|}{4. Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-65 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Complete Spanish language proficiency by end of semester 4 - for the college requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) general studies requirement. \\
- Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
\end{tabular}} \\
\hline TCL 202: Transborder Society and Culture II: Contemporary Issues (SB \& C) & 3 & C & \\
\hline JMC 313: Introduction to Editing OR JMC 345: Videography & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..
\end{tabular} & 4 & C & \\
\hline \multicolumn{4}{|l|}{(1) Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 565-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline JMC 473: The Business and Future of Journalism & 3 & C & \multirow{4}{*}{- Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.} \\
\hline TCL 303: Transborder Theory (SB) & 3 & C & \\
\hline JMC 435: Latino and Transnational Issues & 3 & C & \\
\hline TCL 332: Mexican American History Since 1900 (SB \& H \& C) OR HST 332: Mexican American History Since 1900 (SB \& H \& C) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline M Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 681-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline JMC 402: Mass Communication Law & 3 & C & \multirow[t]{9}{*}{- Explore an internship} \\
\hline TCL 304: Transborder Research Methods (SB \& C) & 3 & C & \\
\hline JMC 470: Depth Reporting & 3 & C & \\
\hline POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB) & 3 & & \\
\hline SPA Upper Division Elective & 3 & C & \\
\hline Media and Expressive Culture Track Course & 3 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Historical Awareness (H) AND Global Awareness (G) course(s). & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 18 & & \\
\hline Term 799-114 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TCL 305: Transborder Practicum and Field Research. & 3 & C & \multirow[t]{7}{*}{- Gather professional references} \\
\hline JMC 484: Internship & 3 & Y & \\
\hline Upper Division JMC Advanced Skills Course & 3 & C & \\
\hline Philosophy Course AND Humanities, Arts and Design (HU) & 3 &  & \\
\hline Media and Expressive Culture Track Course & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8114-129 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% TCL 498: Pro-Seminar & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Professional programs require placement. Please consult your academic advisor. \\
- Apply for full-time career opportunities.
\end{tabular}} \\
\hline ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Media and Expressive Culture Track Course
\end{tabular} & 6 & C & \\
\hline Professional Program Course & 3 & C & \\
\hline \begin{tabular}{l}
Minimum 2.50 GPA ASU Cumulative. \\
Term hours subtotal:
\end{tabular} & \[
15
\] & \(\qquad\) & \\
\hline
\end{tabular}
- Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Students must complete 15 credit hours from the Media and Expressive Culture Track.

Hide Course List(s)/Track Group(s)

Philosophy Course
HON 171: The Human Event (L or HU)
PHI 101: Introduction to Philosophy (HU)

\section*{Professional Program Courses}

JMC 477: New Media Innovation and Entrepreneurship Lab

JMC Advanced Skills Course
JMC 320: Newscast Producing
JMC 325: Breaking News Multimedia Reporting

PHI 103: Principles of Sound Reasoning (L or
HU)

PHI 105: Intro to Ethics (HU)

PHI 306: Applied Ethics (HU)

JMC 478: Cronkite News: Los Angeles JMC 479: Cronkite News: Washington Bureau JMC 485: Television Magazine

JMC 330: Television Reporting
JMC 333: Advanced Bilingual Broadcast Reporting

JMC 351: Photojournalism I
JMC 413: Advanced Editing
JMC 414: Digital Graphic Design
JMC 430: Sports Marketing and Campaigns
JMC 437: Documentary Production

JMC 440: Magazine Writing

JMC 455: Digital Media Entrepreneurship

JMC 460: Advanced Online Media

JMC 465: Telling Stories with Data

JMC 477: New Media Innovation and Entrepreneurship Lab

JMC 478: Cronkite News: Phoenix Bureau

JMC 478: Cronkite News: Los Angeles

JMC 479: Cronkite News: Washington Bureau

JMC 485: Television Magazine

Media and Expressive Culture Track

TCL 211: Transborder Chicano/a and Latino/a Poetry (HU \& C)

TCL 220: Transborder Latina/o Expressive
Culture ((L or HU or SB) \& C)
TCL 305: Transborder Practicum and Field Research.

TCL 310: Transborder Chicano/a and Latino/a Folklore of Southwest North America (HU \& C)

TCL 328: U.S. Latino Religion and Culture (HU \& C)

TCL 331: Mexican American History to 1900 (SB \& H \& C)

TCL 335: Historical Studies in Race, Crime, and the Law

TCL 350: Transborder Mexican and Chicano/a Artistic Production (HU \& C \& G)

TCL 351: Transborder Chicano/a and Latino/a Art (HU \& C)

TCL 352: Chicana/o Film (C)

> TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C) TCL 364: Transborder Mexican Literature Before 1917 (L) TCL 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU) TCL 380: Race and Gender in American Film (HU \& C) TCL 445: Transborder Latin American Short Story (L or HU) TCL 446: Comparative Bilingual Latina/o Poetics ((L or HU) \& C) TCL 464: Latina/o Literature ((L or HU) \& C) TCL 465: Chicana/o and Latina/o History on Film (HU \& C) TCL 466: Constructing the Border on Film (C) TCL 470: Race, Sex, and Identity Online (HU) TCL 490: Transborder Queer Performativity (HU \& C) TCL 471: Latinos In Hollywood (HU \& C) TCL \(484:\) Internship TCL 485: Chicana and Latina Writers ((L or HU C) TC 488: Border Global Narratives (L \& C) T:

Total Hours: 129
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA \\ School/College: College of Liberal Arts and Sciences \\ Location: Tempe campus \\ LATCLTBA}
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, unless CLEP or AP credit fulfills this requirement. Majors are expected to fulfill this requirement in Spanish.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & - Explore and select a career interest area \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-46 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU \& C) & 3 & C & \multirow[t]{5}{*}{- Join a student club or professional organization} \\
\hline Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). & 4 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 2 & & \\
\hline \multicolumn{3}{|l|}{\% Complete Mathematics (MA) rex...............................................................} & \\
\hline
\end{tabular}

\section*{Complete First-Year Composition requirement.}

Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 4 46-60 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline TCL 202: Transborder Society and Culture II: Contemporary Issues (SB \& C) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Completion of the College Second Language requirement is recommended by term 4 \\
- Secure a part-time job or volunteer experience
\end{tabular}} \\
\hline Transborder Community Development \& Health Track Course & 3 & C & \\
\hline Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). & 4 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline TCL 303: Transborder Theory (SB) & 3 & C \\
\hline TCL 323: Latino Health Issues (SB \& C) & 4 & C \\
\hline TCL 332: Mexican American History Since 1900 (SB \& H \& C) or HST 332: Mexican American History Since 1900 (SB \& H \& C) & 3 & C \\
\hline SPA Upper Division Elective & 3 & C \\
\hline Upper Division Elective OR TCL 484: Internship & 3 & \\
\hline Term hours subtotal & 16 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § TCL 304: Transborder Research Methods (SB \& C) & 3 & C & \multirow[t]{2}{*}{- Use Handshake to research employment opportunities} \\
\hline Transborder Community Development \& Health Track Course & 3 & C & \\
\hline
\end{tabular}
Complete 2 courses:

6 C

TCL Elective

3
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s)

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 791-106 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline I TCL 305: Transborder Practicum and Field Research. & 3 & C & \multirow[t]{5}{*}{- Apply for full-time career opportunities} \\
\hline TCL 321: Transborder Community Development and Health & 3 & C & \\
\hline TCL Elective & 3 & C & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § TCL 498: Pro-Seminar & 3 & C & \\
\hline Transborder Community Development \& Health Track Course & 3 & C & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division Elective
\end{tabular} & 8 & & \\
\hline \begin{tabular}{l}
Term hours subtotal: \\
Academic Catalog A
\end{tabular} & 14
201 & & 3748 \\
\hline
\end{tabular}
Hide Course List(s)/Track Group(s)
Transborder Community Development \&
Health
TCL 315: Chicana/o and Latina/o Family
Structures (SB)
TCL 326: Health of Chicanas and Latinas (SB
\& C)
TCL 327: Health and Migration (SB)
TCL 342: Social Demographics of Latino
Populations (SB \& C)
TCL 410: Race, Medicine, and the Body (L)
TCL 422: U.S.-Mexico Border Health
TCL 424: Theory and Practice of Community
Development and Health (SB)
TCL 443: Political Ecology of the Border (SB
\& G)
TCL 447: Gender, Culture, and Development
((L or SB) \& G)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Journalism and Mass Communication, BA}

School/College: Walter Cronkite School of Journalism \& Mass Comm
Location:
CSJMCBA
and
Transborder
Chicana/o
and Latina/o
Studies
(Transborder
Community
Development
and Health),
BA
College of Liberal Arts and Sciences
LATCLTBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) JMC 101: Grammar for Journalists & 1 & B- & \multirow[b]{9}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. \\
- Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course. \\
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
\end{tabular}} \\
\hline 4. JMC 110: Principles and History of Journalism (SB) & 3 & C & \\
\hline ASU 101-CS: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline JMC 102: Coding for Journalists & 1 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline (4) Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (-) JMC 201: News Reporting and Writing (L) & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Select your career interest area and play me3@ASU \\
- Develop your professional online presence
\end{tabular}} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline JMC 305: Multimedia Journalism & 3 & C & \\
\hline STP 226: Elements of Statistics (CS) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate \\
level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline \multicolumn{4}{|l|}{(4) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{4}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 332-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1) JMC 366: Journalism Ethics and Diversity & 3 & C & \multirow[t]{2}{*}{- Network in your career interest area} \\
\hline TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU \& C) & 3 & C & \\
\hline \begin{tabular}{l}
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory \\
Sociology (SB)
\end{tabular} & 3 & & \\
\hline Transborder Community Development and Health Track Course & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline \multicolumn{4}{|l|}{(4) Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{4}{|l|}{(4) Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 16} & \\
\hline Term 48-65 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline (4. JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L) & 3 & C & \multirow[t]{3}{*}{- Complete Spanish language proficiency by end of semester 4 - for the college requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) general studies requirement.} \\
\hline TCL 202: Transborder Society and Culture II: Contemporary Issues (SB \& C) & 3 & C & \\
\hline JMC 313: Introduction to Editing OR JMC 345: Videography & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & - Students should consult with an academic advisor to determine a journalism path and \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation.
\end{tabular} & 4 & C & appropriate course selections for Professional Program Courses and JMC Advanced Skill courses. \\
\hline
\end{tabular}

\section*{- Minimum 2.50 GPA ASU Cumulative.}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Term hours subtotal: 17} \\
\hline Term 565-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline JMC 473: The Business and Future of Journalism & 3 & C & \\
\hline TCL 303: Transborder Theory (SB) & 3 & C & \\
\hline JMC 435: Latino and Transnational Issues & 3 & C & \\
\hline TCL 332: Mexican American History Since 1900 (SB \& H \& C) OR HST 332: Mexican American History Since 1900 (SB \& H \& C) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 681-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Students must complete 15 credit hours from the Transborder Community Development and Health track.

Hide Course List(s)/Track Group(s)
Philosophy Course
HON 171: The Human Event (L or HU)
PHI 101: Introduction to Philosophy (HU)
PHI 103: Principles of Sound Reasoning (L or
HU)

JMC Advanced Skills Course
JMC 320: Newscast Producing
JMC 325: Breaking News Multimedia Reporting

JMC 330: Television Reporting

Transborder Community Development and Health Track

TCL 305: Transborder Practicum and Field Research.

TCL 315: Chicana/o and Latina/o Family Structures (SB)
PHI 306: Applied Ethics (HU) \begin{tabular}{l} 
JMC 333: Advanced Bilingual Broadcast \\
Reporting \\
JMC 351: Photojournalism I \\
JMC 413: Advanced Editing \\
JMC 414: Digital Graphic Design \\
JMC 430: Sports Marketing and Campaigns \\
JMC 437: Documentary Production \\
JMC 440: Magazine Writing \\
JMC 455: Digital Media Entrepreneurship \\
JMC 460: Advanced Online Media \\
JMC 465: Telling Stories with Data \\
JMC 477: New Media Innovation and \\
Entrepreneurship Lab
\end{tabular}

Professional Program Courses
JMC 477: New Media Innovation and
Entrepreneurship Lab
JMC 478: Cronkite News - Phoenix Bureau
JMC 478: Cronkite News: Los Angeles
JMC 479: Cronkite News: Washington Bureau
JMC 485: Television Magazine

TCL 321: Transborder Community

Development and Health

TCL 323: Latino Health Issues (SB \& C)
TCL 326: Health of Chicanas and Latinas (SB \& C)

TCL 327: Health and Migration (SB)

TCL 342: Social Demographics of Latino Populations (SB \& C)

TCL 410: Race, Medicine, and the Body (L)
TCL 422: U.S.-Mexico Border Health

TCL 424: Theory and Practice of Community Development and Health (SB)

TCL 443: Political Ecology of the Border (SB \& G)

TCL 447: Gender, Culture, and Development \(((\mathrm{L}\) or SB\() \& \mathrm{G})\)

TCL 484: Internship (

Total Hours: 129
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LATCLUBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year

4Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\begin{tabular}{|c|c|c|}
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & \multicolumn{2}{|l|}{1} \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). & 4 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline
\end{tabular}
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, unless CLEP or AP credit fulfills this requirement. Majors are expected to fulfill this requirement in Spanish.
- Select your career interest area and play me3@ASU


\section*{Complete First-Year Composition requirement.}

Term hours subtotal: 14

\begin{tabular}{|c|c|c|c|}
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline T TCL 304: Transborder Research Methods (SB \& C) & 3 & C & \multirow{3}{*}{- Use Handshake to research employment opportunities} \\
\hline US \& Mexican Regional Immigration Policy \& Economy Track Course & 3 & C & \\
\hline TCL Elective & 3 & C & \\
\hline Complete 2 courses: & 6 & & \\
\hline
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal: 15
\begin{tabular}{|c|c|c|c|}
\hline Term 791-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W TCL 305: Transborder Practicum and Field Research. & 3 & C & \multirow[t]{6}{*}{- Apply for full-time career opportunities} \\
\hline US \& Mexican Regional Immigration Policy \& Economy Track Course & 3 & C & \\
\hline TCL Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline TCL 498: Pro-Seminar & 3 & C \\
\hline US \& Mexican Regional Immigration Policy \& Economy Track Course & 3 & C \\
\hline Complete 3 courses: Upper Division Elective & 9 & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
US \& Mexican Regional Immigration Policy \& Economy

TCL 315: Chicana/o and Latina/o Family Structures (SB)

TCL 327: Health and Migration (SB)

TCL 331: Mexican American History to 1900 (SB \& H \& C)

TCL 335: Historical Studies in Race, Crime, and the Law

TCL 340: Chicana/o and Latina/o Politics and Policy (L \& C)

TCL 341: Policy Issues in Chicana/o and Latina/o Urban Settings (C)

TCL 342: Social Demographics of Latino
Populations (SB \& C)
TCL 377: Arizona, Immigration, Latinos and Politics

TCL 394: U.S.-Mexico Borderlands: People Place \& Governance

TCL 443: Political Ecology of the Border (SB \& G)

TCL 444: The Ethnography of Mexico and the Borderlands (SB \& G)

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ - Humanities, Arts and Design (HU) \\ Total Community College Hrs: 64 maximum \\ - Social-Behavioral Sciences (SB) \\ Total College Residency Hrs: 12 minimum \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Journalism and Mass Communication, BA}

School/College: Walter Cronkite School of Journalism \& Mass Comm
Location:
CSJMCBA
and
Transborder
Chicana/o
and
Latina/o
Studies (US
and
Mexican
Regional
Immigration
Policy and
Economy),
BA
College of Liberal Arts and Sciences
LATCLUBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4. JMC 101: Grammar for Journalists & 1 & B- & \multirow[b]{5}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
\end{tabular}} \\
\hline (1) JMC 110: Principles and History of Journalism (SB) & 3 & C & \\
\hline ASU 101-CS: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline JMC 102: Coding for Journalists & 1 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course. \\
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
\end{tabular}} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C & \\
\hline (1) Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) JMC 201: News Reporting and Writing (L) & 3 & C & \multirow[b]{2}{*}{- Select your career interest area and play me3@ASU} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & - Develop your professional online \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline JMC 305: Multimedia Journalism & 3 & C \\
\hline STP 226: Elements of Statistics (CS) & 3 & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent).
\end{tabular} & 4 & C \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{3}{|l|}{1. Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 16 & \\
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4. JMC 366: Journalism Ethics and Diversity & 3 & C \\
\hline TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU \& C) & 3 & C \\
\hline PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) & 3 & \\
\hline U.S. and Mexican Regional Immigration Policy and Economy Track Course & 3 & C \\
\hline Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent). & 4 & C \\
\hline \multicolumn{3}{|l|}{4 Complete First-Year Composition requirement.} \\
\hline \multicolumn{3}{|l|}{4 Complete Mathematics (MA) requirement.} \\
\hline ¢. Minimum 2.50 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

\section*{Term hours subtotal:}

16
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minimum Grade & Notes \\
\hline JMC 301: Intermediate Reporting and Writing (L) OR JMC 315: Intermediate Reporting and Writing (Broadcast) (L) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Complete Spanish language proficiency by end of semester 4 - for the college requirement. Completion of SPA 201 or SPA 202 can be used to satisfy Global Awareness (G) general studies requirement. \\
- Students should consult with an academic advisor to determine a journalism path and appropriate course selections for Professional Program Courses and JMC Advanced Skill courses.
\end{tabular}} \\
\hline TCL 202: Transborder Society and Culture II: Contemporary Issues ( \(\mathrm{SB} \& \mathrm{C}\) ) & 3 & C & \\
\hline JMC 313: Introduction to Editing OR JMC 345: Videography & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of Spanish SPA language course at the intermediate level (202 or equivalent) that has a Global Awareness (G) designation..
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{\multirow[t]{2}{*}{}} & \\
\hline & & & \\
\hline Term 5 65-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline JMC 473: The Business and Future of Journalism & 3 & C & \\
\hline TCL 303: Transborder Theory (SB) & 3 & C & \\
\hline JMC 435: Latino and Transnational Issues & 3 & C & \\
\hline \begin{tabular}{l}
TCL 332: Mexican American History Since 1900 (SB \& H \& C) OR \\
HST 332: Mexican American History Since 1900 (SB \& H \& C)
\end{tabular} & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & ).................. & & \\
\hline \multicolumn{4}{|l|}{\% Minimum 2.50 GPA ASU Cumulative.} \\
\hline
\end{tabular}

- Students must complete 15 credit hours from the U.S.and Mexican Regional Immigration Policy and Economy Track.

Student must complete a three credit hour JMC Advanced Skills Course and a three credit hour JMC Professional Program Course chosen in consultation with an academic advisor from the Cronkite School of Journalism and Mass Communication.

Hide Course List(s)/Track Group(s)
U.S. and Mexican Regional Immigration Policy and Economy Track
\begin{tabular}{|c|c|c|}
\hline HON 171: The Human Event (L or HU) & \multirow[t]{2}{*}{TCL 305: Transborder Practicum and Field Research.} & JMC 320: Newscast Producing \\
\hline PHI 101: Introduction to Philosophy (HU) & & JMC 325: Breaking News Multimedia \\
\hline PHI 103: Principles of Sound Reasoning (L or & TCL 314: Transborder Latin American & Reporting \\
\hline \(\mathrm{HU})\) & Migration to the U.S. ((L or SB) \& H \& C) & JMC 330: Television Reporting \\
\hline PHI 105: Intro to Ethics (HU) & TCL 315: Chicana/o and Latina/o Family & JMC 333: Advanced Bilingual Broadcast \\
\hline PHI 306: Applied Ethics (HU) & & Reporting \\
\hline & TCL 327: Health and Migration (SB) & JMC 351: Photojournalism I \\
\hline & TCL 331: Mexican American History to 1900 (SB \& H \& C) & JMC 413: Advanced Editing \\
\hline & & JMC 414: Digital Graphic Design \\
\hline & and the Law & JMC 430: Sports Marketing and Campaigns \\
\hline & TCL 340: Chicana/o and Latina/o Politics and & JMC 437: Documentary Production \\
\hline & Policy (L \& C) & JMC 440: Magazine Writing \\
\hline & TCL 341: Policy Issues in Chicana/o and Latina/o Urban Settings (C) & JMC 455: Digital Media Entrepreneurship \\
\hline & TCL 342: Social Demographics of Latino & JMC 460: Advanced Online Media \\
\hline & Populations (SB \& C) & JMC 465: Telling Stories with Data \\
\hline & TCL 443: Political Ecology of the Border (SB \& G) & JMC 477: New Media Innovation and Entrepreneurship Lab \\
\hline & TCL 444: The Ethnography of Mexico and the Borderlands (SB \& G) & JMC 478: Cronkite News: Phoenix Bureau \\
\hline & TCL 484: Internship & JMC 478: Cronkite News: Los Angeles \\
\hline & & JMC 479: Cronkite News: Washington Bureau \\
\hline & & JMC 485: Television Magazine \\
\hline Professional Program Courses & & \\
\hline JMC 477: New Media Innovation and Entrepreneurship Lab & & \\
\hline JMC 478: Cronkite News - Phoenix Bureau & & \\
\hline JMC 478: Cronkite News: Los Angeles & & \\
\hline JMC 479: Cronkite News: Washington Bureau & & \\
\hline JMC 485: Television Magazine & & \\
\hline
\end{tabular}

Total Hours: 129
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Urban Planning, BSP

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Location: Tempe campus
ARPUPBSP

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\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline (1. GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) \& G) & 3 & C & \multirow[t]{2}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics
\end{tabular}} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & & \multirow[t]{2}{*}{\begin{tabular}{l}
course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
\end{tabular}} \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \multirow[t]{2}{*}{\begin{tabular}{l}
- Play me3@ASU and select your career interest area. \\
- Set up your Handshake account.
\end{tabular}} \\
\hline Term hours subtotal: & 16 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-31 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 Mathematics (MA) ( MAT 142 recommended) & 3 & C & \multirow[t]{6}{*}{- Students should become actively involved with a student organization. Information on ASU student organizations sponsored by the School of Geographical Sciences and Urban Planning is available here.} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline GIS OR PUP Elective & 3 & C & \\
\hline Complete 2 courses: Elective & \multicolumn{2}{|l|}{6} & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 3 31-44 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 4. GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) \& G) & 3 & C & \multirow[t]{6}{*}{- For the CLAS Science and Society requirement, go here} \\
\hline CLAS Science and Society Elective & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{4. Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline
\end{tabular}
Term 4 44-60 Credit Hours Critical course signified by 4. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

- Students interested in completing an internship should start investigating internship opportunities and researching potential internship sites. Information on internships is available here.
Term 5 60-75 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

Term 790 - 105 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline P PUP 424: Planning Methods & 4 & C & \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Related Area Course & 3 & C & \\
\hline Complete 2 courses: Upper Division Elective & 5 & & \\
\hline
\end{tabular}
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be
upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Students may consult with an academic advisor for other skills course options.

Hide Course List(s)/Track Group(s)
Related Area Course Electives

ALA OR ASB OR GCU OR GIS OR GPH OR
PUP OR SGS OR SOC OR SOS Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Urban Planning, BSP

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Location: Online
ARPUPBSP

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\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) \& G)

ASU 101-UC: The ASU Experience
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\(3 \quad \mathrm{C}\)
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or College-specific equivalent First Year Seminar required of all freshman students
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \multirow[b]{3}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Play me3 and select your career interest area.
\end{tabular}} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
Term 2-A 13-19 Credit Hours Critical course signified by \(\boldsymbol{y}^{4}\) Hours \begin{tabular}{c|c} 
Minimum \\
Grade
\end{tabular} Notes

MAT 142: College Mathematics (MA)
3 C
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year 3

C Composition

Term hours subtotal
6
\begin{tabular}{|c|c|c|c|}
\hline Term 2 - B 19-25 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

GIS OR PUP Elective 3
Social-Behavioral Sciences (SB) 3
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
6
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 25-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4. GIS 205: Geographic Information Science I (CS) OR PUP 190: Sustainable Cities ((HU or SB) \& G) & 3 & C & \multirow[t]{3}{*}{- Develop your professional online presence.} \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 32-38 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline Related Coursework & 3 & C & Create a first draft \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. \\
(C)
\end{tabular}} & \\
\hline \multicolumn{4}{|l|}{(4) Complete First-Year Composition requirement.} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 4-A 38-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4. GIS 270: Statistics for Geography and Planning & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 4-B 44-51 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Related Coursework & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-A 51-57 Credit Hours Necessary course signified by & Hours M & Minimum Grade & Notes \\
\hline PUP 301: Introduction to Urban Planning (L) & 3 & C & - Students interested in completing an internship \\
\hline Related Coursework & 3 & C & should start investigating internship \\
\hline Term hours subtotal: & 6 & & opportunities and researching potential internship sites. Information on internships is available here. \\
\hline
\end{tabular}

\begin{tabular}{lll} 
Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l} 
Minimum \\
Grade
\end{tabular}
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \$ PUP Upper Division Elective OR PUP 484: Internship & 3 & C & \multirow[t]{3}{*}{- For the CLAS Science and Society requirement, go here.} \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 7-B 81-87 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU) & 3 & & \multirow[t]{3}{*}{- Students interested in entering the job market after graduation should start to research job opportunities. Information on careers in related fields is available at the School of Geographical Sciences and Urban Planning job list, ACSP career page, and APA Career Center.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8 - A 87-93 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \multirow[t]{2}{*}{- Gather professional references.} \\
\hline Term hours subtota & \multicolumn{2}{|l|}{: 6} & \\
\hline Term 8-B 93-99 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline PUP Upper Division Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtota & \multicolumn{2}{|l|}{6} & \\
\hline Term 9-A 99-104 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Elective & 2 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtota & : 5 & & \\
\hline Term 9-B 104-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PUP 424: Planning Methods & 4 & C & \multirow[t]{3}{*}{- Update and polish your resume.} \\
\hline Elective & 3 & & \\
\hline Term hours subtota & \multicolumn{2}{|l|}{l: \(\quad 7\)} & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline GIS OR PUP Upper Division Elective & 3 & C & \multirow[t]{3}{*}{- Apply for full-time employment opportunities.} \\
\hline Upper Division Elective & \({ }^{\sim}{ }^{3}\) & & \\
\hline Academic Catalo & Archive 2018 & 2019 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 10-B 117-120 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

Upper Division Elective 3

Term hours subtotal:
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/advising-and-academic-services/science-and-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
Related Coursework

ALA OR ASB OR GCU OR GIS OR GPH OR
PUP OR SGS OR SOC OR SOS Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map \\ Women and Gender Studies, BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LAWSTBA
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 4. WST 100: Women, Gender, and Society (SB \& C) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline LIA 101: Student Success in the College of Liberal Arts and Sciences & 1 & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Create a first draft resume \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-46 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline Women and Gender Studies Related Area Course & 3 & C & \multirow{8}{*}{- Selection of general studies courses will be determined by elective courses taken to fill the major} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{4 Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Academic Catalog & hive 20 & 2019 & 3772 \\
\hline
\end{tabular}


Women and Gender Studies Related Area Courses

AFR 375: Race, Gender and Sport (SB \& C)
AFR 460: Race, Gender, and Media (C) or MCO 460: Race, Gender, and Media (C)

ALD 404: Sexuality in Mid-Life and Beyond
ALD 472: Women, Aging, and the Life Course
AMS 431: Gender Studies
APA 330: Asian Pacific American Genders and Sexualities ((L or SB) \& C)

ARB 341: Quran Text and Women (HU \& H)
ARS 485: Women in the Visual Arts (L)
ASB 210: Human Sexuality: Anthropological Perspectives (SB \& G)

ASB 211: Women in Other Cultures ((HU or SB) \& G)

COM 316: Gender and Communication (SB \& C)

COM 416: Gender and Race in the Media

COM 446: Performance of Literature Written by Women ((L or HU) \& C)

CRJ 305: Gender, Crime, and Criminal Justice (C)

ENG 364: Women and Literature (HU)

ENG 454: Gender and Literature (L or HU)

ENG 455: Contemporary Women Writers

ENG 460: Ethnic Women Writers

ENG 461: Studies in Women and Literature (HU)

ENG 462: Africana Literature (HU \& G)

FAS 331: Marriage and Family Relationships (SB)

FAS 332: Human Sexuality (SB)

FAS 436: Sexuality in Mid-Life and Beyond

FAS 472: Women, Aging, and the Life Course

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H)
\begin{tabular}{|c|}
\hline HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H) \\
\hline HST 329: Women in 20th-Century U.S. West ( \(\mathrm{H} \& \mathrm{C}\) ) \\
\hline HST 378: Latin American Women: The National Period (SB \& G \& H) \\
\hline HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) \& H \& C) \\
\hline HST 465: Women in Europe, 1750 to Present ((HU or SB) \& H) \\
\hline IAP 310: Women in Art \\
\hline JUS 329: Domestic Violence (SB) \\
\hline JUS 420: Women, Work, and Justice ((L or SB) \& C) \\
\hline JUS 422: Women, Law, and Social Control \\
\hline JUS 460: Feminism and Justice (C) \\
\hline KIN 441: Physiology of Women in Sport (L) \\
\hline LSC 363: Genes, Race, Gender, and Society (L) \\
\hline MUS 410: History of Women in Music (HU \& C \& H) \\
\hline POS 435: Women and Politics (SB \& C) \\
\hline POS 436: Gender, Sexuality, Nation-States \\
\hline POS 437: Women, Power, and Politics (G) \\
\hline PSY 369: Biology of Human Sexuality \\
\hline PSY 385: Psychology of Gender (SB) \\
\hline PUP 445: Women and Environments (C) \\
\hline REL 369: Women in Islam \\
\hline REL 373: Women in Judaism \\
\hline REL 390: Women, Gender and Religion (HU \& G) \\
\hline REL 393: Religion and Sexuality (HU) \\
\hline REL 396: Women in the Bible \\
\hline SOC 264: Gender and Society (SB \& C) \\
\hline SOC 315: Courtship and Marriage (SB) \\
\hline SOC 424: Women and Health (SB) \\
\hline WST Upper Division Elective \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Liberal Arts and Sciences.
Location: Online
LAWSTBA
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (1. WST 100: Women, Gender, and Society (SB \& C) & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
- ASU Language Placement and Testing: Only true beginners are eligible for 101-level second language courses. All other students are required to take a placement exam, regardless of prior credit earned, to verify the course level is appropriate. Students already proficient in a second language may take a proficiency exam.
\end{tabular}} \\
\hline ASU 101-UC: The ASU Experience & 1 & & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours & & Hours & Minimum Grade & Notes \\
\hline MAT 142: College Mathematics (MA) & & 3 & C & \multirow[b]{5}{*}{\begin{tabular}{l}
- Selection of general studies courses will be determined by elective courses taken to fill the major \\
- Select your career interest area and play me3@ASU. \\
- View ASU Online first-time freshmen registration information here.
\end{tabular}} \\
\hline Elective & & 3 & & \\
\hline & Term hours subtotal: & 6 & & \\
\hline & & & & \\
\hline & & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 13-20 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107:

3
C
First-Year Composition or ENG 108: First-Year Composition
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or

4 C equivalent), including American Sign Language IV.

Term hours subtotal:
7
Term 2-B 20-27 Credit Hours Critical course signified by 9 Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 27-34 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 34-41 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline Women and Gender Studies Related Area Course & 3 & C & \multirow[t]{5}{*}{- See list below for Related Area course options.} \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{3}{|l|}{(4) Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{(4) Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 41-47 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) WST Elective & 3 & C & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 47-53 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & - Explore an internship. \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-A 53-59 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline WST 377: History of American Feminist Thought (H \& C) OR WST 378: Global Feminist Theory (L \& G) & 3 & C & \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 59-65 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-A 65-71 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline W WST 380: Race, Gender, and Class (SB \& C) & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 71-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline WST Upper Division Elective & 3 & C & \multirow[b]{2}{*}{- Use Handshake to research employment opportunities} \\
\hline Upper Division Women and Gender Studies Related Area Course & 3 & C & \\
\hline Academic Catalog Ar & hive 2018 & 2019 & 3778 \\
\hline
\end{tabular}


\section*{Hide Course List(s)/Track Group(s)}

Women and Gender Studies Related Area Course

AFR 375: Race, Gender and Sport (SB \& C)
AFR 460: Race, Gender, and Media (C) or MCO 460: Race, Gender, and Media (C)

APA 330: Asian Pacific American Genders and Sexualities ((L or SB) \& C)

ARS 485: Women in the Visual Arts (L)
COM 316: Gender and Communication (SB \& C)

CRJ 305: Gender, Crime, and Criminal Justice (C)

ENG 460: Ethnic Women Writers

FAS 331: Marriage and Family Relationships (SB)

FAS 332: Human Sexuality (SB)
HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H)

HST 328: Women in U.S. History, 1880-1980
((HU or SB) \& C \& H)
JUS 329: Domestic Violence (SB)

POS 435: Women and Politics (SB \& C)

PSY 385: Psychology of Gender (SB)
REL 390: Women, Gender and Religion (HU \& G)

SOC 264: Gender and Society (SB \& C)

SOC 315: Courtship and Marriage (SB)
SOC 424: Women and Health (SB)

WST Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\title{
Applied Science (Health Entrepreneurship and Innovation), BAS
}

School/College: College of Nursing and Health Innovation
Location: Downtown Phoenix campus, West campus
NUHCIBAS

This program's name has changed effective Fall 2018. The previous name was Applied Science (Health Innovation).
\begin{tabular}{|c|c|c|c|c|}
\hline Applicable Community Col Hours & ites 0-60 Credit & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline AAS Transfer Degree Block & & \multicolumn{2}{|l|}{60} & \\
\hline & Term hours subtotal: & 60 & & \begin{tabular}{l}
- Students may meet lower division general studies requirements with the AAS degree. \\
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree. \\
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\end{tabular} \\
\hline
\end{tabular}
Term 5 60 - 75 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 353: Interdisciplinary Leadership (SB) OR COM 430: Leadership in Group Communication OR OGL 355: Leading Organizational Innovation and Change (L) OR PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB) & 3 & C & \begin{tabular}{l}
- Explore graduate programs. \\
- Gather academic and professional references. \\
- Complete an in person or virtual
\end{tabular} \\
\hline HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C & practice interview. \\
\hline \% HCR 400: Evidence-Based Practice for the Health Care Professional & 3 & C & \\
\hline \% HCR 406: Health Literacy for Health Care Professionals & 3 & C & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care
\end{tabular} & 6 & C & \begin{tabular}{l}
- Connect with us as a member of our alumni community. \\
- Update your resume.
\end{tabular} \\
\hline BIS 343: Social Processes in Organizations (L or SB) OR OGL 350: Diversity and Organizations (L \& C) & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Health Entrepreneurship and Innovation), BAS}

School/College: College of Nursing and Health Innovation
Location: Online
NUHCIBAS

This program's name has changed effective Fall 2018. The previous name was Applied Science (Health Innovation).
\begin{tabular}{|c|c|c|c|c|}
\hline Applicable Community Coll Hours & sites 0-60 Credit & Hours & Minimum Grade & Notes \\
\hline \multirow[t]{2}{*}{AAS Transfer Degree Block} & & \multicolumn{2}{|l|}{60} & \multirow[t]{2}{*}{\begin{tabular}{l}
- Students may meet lower division general studies requirements with the AAS degree. \\
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree. \\
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\end{tabular}} \\
\hline & Term hours subtotal: & 60 & & \\
\hline
\end{tabular}
\begin{tabular}{l} 
Term 5-A 60-66 Credit Hours Necessary course signified by \\
\hline HCI 311: Health Innovation: Foundational Concepts \\
\hline TWC 347: Written Communication for Managers (L) OR TWC 362: \\
Writing in Health Professions (L)
\end{tabular}

BIS 345: Organizational Ethics (L or HU) OR HCD 320: Applied Medical/Health Care Ethics (HU) OR LES 305: Business Law and Ethics for Managers OR PHI 306: Applied Ethics (HU) OR PHI 320: Bioethics (HU) OR PHI 360: Business and Professional Ethics (HU) HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing

STP 226: Elements of Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS) OR STP 420: Introductory Applied Statistics (CS) OR SOC 390: Social Statistics I (CS)

Term hours subtotal:

Term 6-A 75-81 Credit Hours Necessary course signified by
BIS 353: Interdisciplinary Leadership (SB) OR COM 430: Leadership in Group Communication OR OGL 355: Leading Organizational Innovation and Change (L) OR PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB)

HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 81-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BIS 343: Social Processes in Organizations (L or SB) OR OGL 350: Diversity and Organizations (L \& C) & 3 & C & \multirow[t]{5}{*}{- Explore graduate programs, including the Master of Healthcare Innovation.} \\
\hline \(\leqslant\) HCR 406: Health Literacy for Health Care Professionals & 3 & C & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-A 90-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline H HCR 400: Evidence-Based Practice for the Health Care Professional & 3 & C & \multirow[t]{3}{*}{- Gather academic and professional references.} \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 96-105 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C & \multirow[t]{4}{*}{- Complete a virtual practice interview.} \\
\hline Upper Division Elective & 3 & C & \\
\hline Any needed lower division General Studies requirement OR Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 8-A 105-111 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C

\(\ldots\)
\(\ldots\) & \multirow[t]{3}{*}{- Update your resume.} \\
\hline Upper Division Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 111-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C & \multirow[t]{3}{*}{- Connect with us as a member of our alumni community.} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Any needed lower division General Studies requirement OR Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
\begin{tabular}{ll} 
Cumulative GPA: 2.00 minimum & \(\bullet\) Literacy and Critical Inquiry (L) \\
Total hrs at ASU: 30 minimum & \(\bullet\) Mathematical Studies (MA) \\
Hrs Resident Credit for & \(\bullet\) Computer/Statistics/Quantitative Applications (CS) \\
Academic Recognition: 56 minimum & \(\bullet\) Humanities, Arts and Design (HU) \\
Total Community College Hrs: 64 maximum & \(\bullet\) Social-Behavioral Sciences (SB) \\
& \(\bullet\) Natural Science - Quantitative (SQ) \\
& \(\bullet\) Natural Science - General (SG)
\end{tabular}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Community Health, BS
School/College: College of Nursing and Health Innovation
Location: Downtown Phoenix campus, West campus
NUCHLTBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1. CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First Year Seminar required of all freshman students.
\end{tabular}} \\
\hline (1. CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline 4. MAT 142: College Mathematics (MA) & 3 & C & \\
\hline ASU 101-NU: The ASU Experience & 1 & & me3@ASU and review academic \\
\hline Term hours subtotal: & 14 & & \begin{tabular}{l}
programs. \\
- Create a first draft resume. \\
- Explore study abroad options. \\
- Search for on-campus employment.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Network in your career interest area. \\
- Explore student leadership opportunities in the College of Nursing and Health Innovation. \\
- Join a student club or professional organization. \\
- Secure a part-time job or volunteer experience.
\end{tabular}} \\
\hline 4. CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) & 3 & C & \\
\hline SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social Change (SB \& G \& H) & 3 & C & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 BIO 202: Human Anatomy and Physiology II (SG) & 4 & C & \multirow[t]{4}{*}{- Develop your skills.} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C \& G)
\end{tabular} & 6 & C & \\
\hline 4. MIC 205: Microbiology (SG) & 3 & C & \\
\hline ¢. MIC 206: Microbiology Laboratory (SG) & 1 & C & \\
\hline
\end{tabular}

SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking
(L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social

Change (SB \& G \& H)
Complete Mathematics (MA) requirement.
\begin{tabular}{|c|c|c|c|}
\hline Term 447-60 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: \\
Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C \& G)
\end{tabular} & 3 & C & - Explore internships. \\
\hline ¢. HCR 231: Fundamentals of Community Health & 3 & C & \\
\hline ¢. HCR 240: Human Pathophysiology & 4 & C & \\
\hline NTR 241: Human Nutrition & 3 & C & \\
\hline Term hours subtotal: & 13 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
Complete 2 courses:
HCR 331: Communication within Communities OR HCR 335: Program
Development and Management for Community Health OR HCR 336:
Environmental Community Health OR HSC 340: Changing Health
Behaviors

6
C Environmental Community Health OR HSC 340: Changing Health Behaviors

SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social

3 C Change (SB \& G \& H)

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCI 311: Health Innovation: Foundational Concepts & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Explore graduate programs. \\
- Gather professional references. \\
- Update your resume.
\end{tabular}} \\
\hline 5 HCR 400: Evidence-Based Practice for the Health Care Professional & 3 & C & \\
\hline HCR 406: Health Literacy for Health Care Professionals & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \% HCR 435: Leaders in Community Health & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C & \multirow[t]{3}{*}{- Apply for full-time career opportunities.} \\
\hline § HCR 430: Foundation to Health Care Systems & 3 & C & \\
\hline HCR 439: Community Health Seminar & 3 & C & \\
\hline H Humanities, Arts and Design (HU) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}

\section*{Hide Course List(s)/Track Group(s)}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Community Health, BS
School/College: College of Nursing and Health Innovation
Location: Online
NUCHLTBS
\begin{tabular}{|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline 4. MAT 142: College Mathematics (MA) & 3 & C \\
\hline ASU 101-NU: The ASU Experience & 1 & \\
\hline Term hours subto & 7 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college specific equivalent First Year Seminar required of all freshman students
- Become familiar with the student focused services and perks available to ASU Online students.
- Review library resources.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-14 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Select your career interest area, complete me3@ASU, and review academic programs. \\
- Create a first draft resume. \\
- Explore study abroad options. \\
- View ASU Online first-time freshman registration information here.
\end{tabular}} \\
\hline CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 14-24 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year
1. Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)

SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social 3 Change (SB \& G \& H)

Term hours subtotal:
10
Term 2-B 24-30 Credit Hours Critical course signified by 4. Hours \begin{tabular}{c|c|c|}
\hline Minimum \\
Grade
\end{tabular}CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)

3 C

STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I
(CS) OR SWU 321: Statistics for Social Workers (CS)
3
C
- Network in your career interest area.
- Secure a part time job or volunteer experience.
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).


Term hours subtotal: 9
\begin{tabular}{|c|c|c|c|}
\hline Term 6-A 75-84 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCR 301: Research Methods for the Health Care Professional & 3 & C & \multirow{4}{*}{- Use Handshake to research employment opportunities.} \\
\hline 5 HCR 303: Assessing Needs, Assets and Capacity for Health Education & 3 & C & \\
\hline SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) OR SOC 352: Social Change (SB \& G \& H) & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 6-B 84-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\section*{Complete 2 courses:}

HCR 331: Communication within Communities OR HCR 335: Program
- Complete an in person or virtualDevelopment and Management for Community Health OR HCR 336:
6
C practice interview.

Environmental Community Health OR HSC 340: Changing Health Behaviors

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s)

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 90-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCI 311: Health Innovation: Foundational Concepts & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Explore graduate programs. \\
- Update your resume.
\end{tabular}} \\
\hline H HCR 400: Evidence-Based Practice for the Health Care Professional & 3 & C & \\
\hline HCR 435: Leaders in Community Health & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-B 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% HCR 406: Health Literacy for Health Care Professionals & 3 & C & \multirow[t]{3}{*}{- Gather professional references.} \\
\hline \(\geqslant \mathrm{HCR}\) 430: Foundation to Health Care Systems & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 105-111 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) & 3 & & \multirow[b]{2}{*}{- Apply for full-time career opportunities.} \\
\hline Upper Division Elective & 3 & & \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 8 \text { - B 111-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Health Care Compliance and Regulations, BS}

School/College: College of Nursing and Health Innovation Location: Downtown Phoenix campus, West campus
NUHCCRBS
Term 10 - \(\mathbf{1 6}\) Credit Hours Critical course signified by
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 4 HCR 261: Health Care Compliance & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Network in your career interest area. \\
- Secure a part time job or volunteer experience. \\
- Apply for a study abroad experience. \\
- Explore student leadership opportunities in the College of Nursing and Health Innovation. \\
- Join a student club or professional organization.
\end{tabular}} \\
\hline ART 110: Drawing as Seeing and Thinking (HU) OR CEE 181: Technological, Social, and Sustainable Systems (HU) OR CON 101: Construction and Culture: a Built Environment (HU \& H) OR FMP 201: Film: The Creative Process I (HU) OR Humanities, Arts and Design (HU) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) ( BIO 100 recommended) & 4 & C & \\
\hline CIS 105: Computer Applications and Information Technology (CS) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline HCR 262: Health Care Licensure, Professional Development and Practice & 3 & C & - Develop your skills. \\
\hline (1) HCR 264: Regulatory Essentials of Compliance Program Design I & 3 & C & \\
\hline ACC 231: Uses of Accounting Information I & 3 & C & \\
\hline BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline HCR 210: Ethics for the Health Care Professional (HU) & 3 & C & \\
\hline \multicolumn{3}{|l|}{1 Complete First-Year Composition requirement.} & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Term hours subtotal: 16 \\
Academic Catalog Archive 2018-2019
\end{tabular}} & 3795 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 448-61 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 HCR 263: Introduction to Medical Billing and Compliance & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Please note that LES 305 in term 6 requires a 2.50 cumulative GPA for registration. \\
- Explore internships.
\end{tabular}} \\
\hline 1 HCR 265: Regulatory Essentials of Compliance Program Design II & 3 & C & \\
\hline BIO 202: Human Anatomy and Physiology II (SG) OR Elective & 4 & & \\
\hline STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) & 3 & C & \\
\hline Term hours subtotal: & 13 & & \\
\hline Term 561-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% HCR 350: Introduction to Clinical Research & 3 & C & \multirow{6}{*}{- Develop your professional online presence.} \\
\hline HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance & 3 & C & \\
\hline \% HCR 362: Monitoring and Auditing for Health Care Compliance & 3 & C & \\
\hline COM 259: Communication in Business and the Professions OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) & 3 & C & \\
\hline OGL 320: Foundations of Project Management & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 676-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCR 360: Data Security and Privacy in Health Care Compliance OR HCR 361: Risk Management in Health Care Compliance & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Use Handshake to research employment opportunities. \\
- Complete an in person or virtual practice interview.
\end{tabular}} \\
\hline 5 HCR 460: Investigations and Disclosures in Health Care Compliance & 3 & C & \\
\hline LES 305: Business Law and Ethics for Managers & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 791-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCR 461: Corrective and Preventive Action Plans OR HCR 462: Specialty Topics in Health Care Compliance & 2 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Explore graduate programs. \\
- Gather professional references. \\
- Update your resume.
\end{tabular}} \\
\hline OMT 343: Occupational Safety and Ergonomics & 3 & C & \\
\hline \begin{tabular}{l}
PAF 311: Leadership and Change (SB) OR PAF 410: Building \\
Leadership Skills (SB) OR PAF 420: Public Leadership OR TMC 330: \\
Leading the Enterprise
\end{tabular} & 3 & C & \\
\hline TWC 347: Written Communication for Managers (L) OR ENG 301: Writing for the Professions (L) & 3 & C & \\
\hline \multicolumn{3}{|l|}{Elective 3} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCR 461: Corrective and Preventive Action Plans OR HCR 462: Specialty Topics in Health Care Compliance & 3 & C & - Apply for full time career opportunities. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline HCR 463: Capstone Project Health Care Compliance & 3 & C \\
\hline HCR 430: Foundation to Health Care Systems OR HCD 330: Health Care Systems in the U.S. & 3 & C \\
\hline TWC 446: Technical and Scientific Reports (L) OR TWC 362: Writing in Health Professions (L) & 3 & C \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Health Care Coordination, BS}

School/College: College of Nursing and Health Innovation Location: Downtown Phoenix campus, West campus
NUHCCOBS


\section*{Term hours subtotal:} 14


\begin{tabular}{|c|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCR 301: Research Methods for the Health Care Professional & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Use Handshake to research employment opportunities. \\
- Complete an in person or virtual practice interview.
\end{tabular}} \\
\hline \% HCR 302: Social Determinants of Health & 3 & C & \\
\hline HCR 303: Assessing Needs, Assets and Capacity for Health Education & 3 & C & \\
\hline
\end{tabular}

SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB)

Upper Division Elective
3
C

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\(\begin{array}{l}\text { Term } 7 \text { 90-105 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
HCR 420: Professional Role Development: Health Care Coordination
\begin{tabular}{|c|c|}
\hline Humanities, Arts and Design (HU) & 3 \\
\hline Complete 2 courses: & \multirow[t]{2}{*}{6} \\
\hline Upper Division Elective & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Health Care Coordination, BS}

School/College: College of Nursing and Health Innovation
Location: Online
NUHCCOBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASU 101-NU: The ASU Experience 1
ENG 101: First-Year Composition or ENG 102: First-Year 1. Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

MAT 142: College Mathematics (MA)
3
C
Term hours subtotal:
7
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Become familiar with the student focused services and perks available to ASU Online students.
- Review library resources.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-14 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Select your career interest area, complete me3@ASU, and review academic programs. \\
- Create a first draft resume. \\
- Explore study abroad options. \\
- View ASU Online first-time freshmen registration information here.
\end{tabular}} \\
\hline CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 14-23 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
- Network in your career interest area. \\
- Secure a part-time job or volunteer experience.
\end{tabular} \\
\hline HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) & 3 & C & \\
\hline STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 23-30 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Apply for a study abroad experience. \\
- Join a professional organization.
\end{tabular}} \\
\hline 4. CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}


Term hours subtotal: 9
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 84-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline H HCR 302: Social Determinants of Health & 3 & C & \multirow[t]{4}{*}{- Complete an in person or virtual practice interview.} \\
\hline SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking (L) OR PAF 311: Leadership and Change (SB) & 3 & C & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-A 90-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline H HCI 311: Health Innovation: Foundational Concepts & 3 & C & \multirow{3}{*}{\begin{tabular}{l}
- Explore graduate programs. \\
- Update your resume.
\end{tabular}} \\
\hline \(\checkmark\) HCR 400: Evidence-Based Practice for the Health Care Professional & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 96-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline H HCR 406: Health Literacy for Health Care Professionals & 3 & C & \multirow[t]{4}{*}{- Gather professional references.} \\
\hline 5 HCR 422: Policy and Financial Principles in Health Care Coordination & 3 & C & \\
\hline \begin{tabular}{l}
SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking \\
(L) OR PAF 311: Leadership and Change (SB)
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 105-114 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § HCR 420: Professional Role Development: Health Care Coordination & 3 & C & \multirow[t]{2}{*}{- Apply for full time career opportunities.} \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}
Term 8 - B 114-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Health Innovation, BS
School/College: College of Nursing and Health Innovation
Location: Downtown Phoenix campus, West campus
NUHCIBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by ! & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline \begin{tabular}{l}
COM 100: Introduction to Human Communication (SB) OR COM \\
225: Public Speaking (L) OR PSY 101: Introduction to Psychology \\
(SB) OR SOC 101: Introductory Sociology (SB)
\end{tabular} & 3 & C & - An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent
\end{tabular} \\
\hline MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) OR MAT course (MA) & 3 & C & First-Year Seminar required of all freshman students \\
\hline ASU 101-NU: The ASU Experience & 1 & & - Select your career interest area, play \\
\hline Natural Science - Quantitative (SQ) ( BIO 100 recommended) & 4 & & programs. \\
\hline Term hours subtotal: & 14 & & \begin{tabular}{l}
- Create a first draft resume. \\
- Explore study abroad options. \\
- Search for on-campus employment.
\end{tabular} \\
\hline
\end{tabular}


\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Apply for full-time career opportunities. \\
- Connect with us as a member of our alumni community.
\end{tabular}} \\
\hline HCI 484: Internship OR Upper Division Elective & 3 & & \\
\hline Health Innovation Elective & 3 & C & \\
\hline Complete 2 courses: Upper Division Elective & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
- Students should consult with their academic advisor to identify appropriate courses for the health innovation elective. Students are encouraged to select courses in a thematic area and may pursue a minor to fulfill the health innovation elective requirement.

Hide Course List(s)/Track Group(s)
Health Innovation Elective
HCI OR HCR OR OGL OR TEL OR ACC OR
BUA OR ECN OR ENT OR LES OR MGT
OR MKT OR NTR OR OMT OR SCM OR
FIN OR SOS OR TEM Elective

ASB 100: Introduction to Global Health (SB \& G) or SSH 100: Introduction to Global Health (SB \& G)

ASB 301: Global History of Health (SB \& G \& H) or SSH 301: Global History of Health (SB \& G \& H)

ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G)

ASB 355: Traditional Medicine and Healing (HU or SB)

ASB 462: Medical Anthropology: Culture and Health (SB \& C) or SSH 404: Medical Anthropology: Culture and Health (SB \& C) ASM 414: Urban and Environmental Health (SB) or SSH 414: Urban and Environmental Health (SB)

BIO 318: History of Medicine (HU \& H) or HPS 331: History of Medicine (HU \& H)

CHS 100: Foundations of Health \& Well-Being (SB)

COM 451: Communication and Work Relationships

EXW 100: Introduction to Health and Wellness (SB)

PAF 311: Leadership and Change (SB)
PAF 410: Building Leadership Skills (SB)
PHI 407: Environmental Philosophy and Policy (L or HU) or IAS 407: Environmental Philosophy and Policy (L or HU)

SOC 427: Sociology of Health and Illness (SB)

SOS 100: Introduction to Sustainability (G)
SOS 110: Sustainable World (SB)
TCL 321: Transborder Community
Development and Health

USL 210: Service Learning: Intro to Diverse
Community Issues (L \& C)
WST 100: Women, Gender, and Society (SB \& C)

WST 333: Critical Perspectives on Sexuality (SB \& C)

WST 360: Women as Healers (SB \& G)
WST 444: Gender, Health, and Bodies (SB)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Health Innovation, BS
School/College: College of Nursing and Health Innovation
Location: Online
NUHCIBS
\begin{tabular}{|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C \\
\hline MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) OR MAT course (MA) & 3 & C \\
\hline ASU 101-NU: The ASU Experience & 1 & \\
\hline Term hours subt & 7 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college specific equivalent First-Year Seminar required of all freshman students
- Become familiar with the student focused services and perks available to ASU Online students.
- Review library resources.
\(\left.\begin{array}{l}\text { Term 1-B 7-14 Credit Hours Critical course signified by © } \\ \begin{array}{l}\text { COM 100: Introduction to Human Communication (SB) OR COM }\end{array} \\ \text { Hours }\end{array} \begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\)
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 14-23 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
- Network in your career interest area. \\
- Secure a part time job or volunteer experience.
\end{tabular} \\
\hline 4. HCI 150: Introduction to Health Innovation & 3 & C & \\
\hline STP 226: Elements of Statistics (CS) OR PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-B 23-30 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C \& G) & 3 & C & - Apply for a study abroad experience. \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline & & Minimum & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 30-36 Credit Hours Critical course signified by \({ }^{\text {4 }}\) (\% & Hours & Grade & Notes \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) & 3 & C & - Develop your skills. \\
\hline HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C \& G) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-B 36-45 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Health Innovation Elective & 3 & C & plore Car \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 3 & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 4-A 45-51 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) & 3 & C & - Explore Career Advising. \\
\hline Health Innovation Elective & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 51-60 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
COM 100: Introduction to Human Communication (SB) OR COM \\
225: Public Speaking (L) OR PSY 101: Introduction to Psychology \\
(SB) OR SOC 101: Introductory Sociology (SB)
\end{tabular} & 3 & C & \begin{tabular}{l}
- Explore internships. \\
- Schedule an appointment with your academic success specialist to review
\end{tabular} \\
\hline 4 HCI 250: Health Entrepreneurship and Value Creation & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 5-A 60-66 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \% HCI 311: Health Innovation: Foundational Concepts & 3 & C & - Explore the Career Guide. \\
\hline TWC 347: Written Communication for Managers (L) OR TWC 362: Writing in Health Professions (L) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 66-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care

HCR 210: Ethics for the Health Care Professional (HU) OR HCD 320: Applied Medical/Health Care Ethics (HU) OR BIS 345: Organizational Ethics (L or HU) OR PHI 360: Business and Professional Ethics (HU) OR PHI 320: Bioethics (HU)

Health Innovation Elective
\begin{tabular}{|c|c|c|c|}
\hline Term 6-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C & \multirow[t]{3}{*}{- Use Handshake to research employment opportunities.} \\
\hline H HCR 301: Research Methods for the Health Care Professional & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 81-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline H HCR 406: Health Literacy for Health Care Professionals & 3 & C & \multirow[t]{5}{*}{- Complete an in person or virtual practice interview.} \\
\hline Health Innovation Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7-A 90-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Explore graduate programs. \\
- Update your resume.
\end{tabular}} \\
\hline HCR 400: Evidence-Based Practice for the Health Care Professional & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 96-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C & \multirow[t]{4}{*}{- Gather professional references.} \\
\hline COM 312: Communication, Conflict, and Negotiation & 3 & C & \\
\hline Health Innovation Elective & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 8-A 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCI 313: Philosophy of Science in Health Care: Understanding Paradigms of Health and Healing OR HCI 412: Transforming Health Care: A Systems Perspective for Innovation OR HCI 421: Health Care Policy: The Innovator's View OR HCI 425: Facilitating Innovation to Achieve Outcomes OR HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C & \multirow[t]{3}{*}{- Apply for full-time career opportunities.} \\
\hline HCI 484: Internship OR Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline & & Minimum & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8-B 111-120 Credit Hours & Hours & Grade & Notes \\
\hline Health Innovation Elective & 3 & C & \multirow[b]{2}{*}{- Connect with us as a member of our alumni community.} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline & 9 & & \\
\hline
\end{tabular}
- Students should consult with their academic advisor to identify appropriate courses for the health innovation elective.

Students are encouraged to select courses in a thematic area and may pursue a minor to fulfill the health innovation elective requirement.

Hide Course List(s)/Track Group(s)
Health Innovation Elective
HCI OR HCR OR OGL OR TEL OR ACC OR BUA OR ECN OR ENT OR FIN OR LES OR MGT OR MKT OR NTR OR OMT OR SCM OR SOS OR TEM Elective

ASB 100: Introduction to Global Health (SB \& G) or SSH 100: Introduction to Global Health (SB \& G)

ASB 301: Global History of Health (SB \& G \& H)

ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) \& G)

ASB 462: Medical Anthropology: Culture and Health (SB \& C)

ASM 414: Urban and Environmental Health (SB)

CHS 100: Foundations of Health \& Well-Being (SB) HCI 194: Introduction to Health Innovation HCI 294: Health Entrepreneurship and Value Creation PAF 311: Leadership and Change (SB) PAF 410: Building Leadership Skills (SB) SOS 100: Introduction to Sustainability (G) SOS 110: Sustainable World (SB)

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

\author{
Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ - Humanities, Arts and Design (HU) \\ - Social-Behavioral Sciences (SB) \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Integrative Health, BS
School/College: College of Nursing and Health Innovation
Location: Downtown Phoenix campus, West campus
NUIHLTBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & - An SAT, ACT, Accuplacer, IELTS or \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course
\end{tabular} \\
\hline 4. MAT 142: College Mathematics (MA) & 3 & C & - ASU 101 or college-specific equivalent \\
\hline ......................................................................... & 1 & & First-Year Seminar required of all freshman students \\
\hline CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & - Select your career interest area, play me3@ASU and review academic \\
\hline Term hours subtotal: & 14 & & \begin{tabular}{l}
programs. \\
- Create a first draft resume. \\
- Explore study abroad options. \\
- Search for on campus employment. \\
- Prehealth students: consult with an advisor regarding curriculum and course substitutions.
\end{tabular} \\
\hline
\end{tabular}


\begin{tabular}{|c|c|c|}
\hline HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C \\
\hline HCR 441: Legal and Ethical Issues Impacting Integrative Health Care & 3 & C \\
\hline 3 HCR 449: Integrative Health Care Capstone & 3 & C \\
\hline TWC 443: Grant \& Proposal Writing & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}

\footnotetext{
- Apply for full-time career opportunities.
- Connect with us as a member of our alumni community.
}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Nursing and Health Innovation
Location: Online
NUIHLTBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Become familiar with the student focused services and perks available to ASU Online students.
- Review library resources.
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B7-14 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4. CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Select your career interest area, complete me3@ASU, and review academic programs. \\
- Create a first draft resume. \\
- Explore study abroad options. \\
- View ASU Online first-time freshmen registration information here.
\end{tabular}} \\
\hline CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
Term 2-A 14-23 Credit Hours Critical course signified by \(9 \quad\) Hours \begin{tabular}{c|c|c|}
\hline \multirow{7}{|c|}{\begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}} & Notes \\
\hline
\end{tabular}

ENG 101: First-Year Composition or ENG 102: First-Year
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
1. STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS)

SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking
(L) OR SWU 250: Stress Management Tools I (SB) OR OGL 240: 3 Introduction to Project Management

Term hours subtotal:
9
- 2 Co

Term 2-B 23-30 Credit Hours Critical course signified by

CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)

SOC 101: Introductory Sociology (SB) OR COM 225: Public Speaking
(L) OR SWU 250: Stress Management Tools I (SB) OR OGL 240:

3
C
Introduction to Project Management
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
- Network in your career interest area.
- Secure a part time job or volunteer experience.
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 30-37 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. BIO 202: Human Anatomy and Physiology II (SG) & 4 & C & \multirow[t]{3}{*}{- Develop your skills.} \\
\hline \begin{tabular}{l}
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: \\
Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C \& G)
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 3-B 37-44 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: \\
Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C \& G)
\end{tabular} & 3 & C & \multirow[t]{5}{*}{- Explore Career Webinars.} \\
\hline (1) MIC 205: Microbiology (SG) & 3 & C & \\
\hline 1. MIC 206: Microbiology Laboratory (SG) & 1 & C & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 44-53 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade & Notes \\
\hline 1 HCR 241: Foundations of Integrative Health & 3 & C & \multirow[t]{4}{*}{- Explore Career Advising.} \\
\hline CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline NTR 241: Human Nutrition & 3 & C & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 4-B 53-60 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
Term 5 - A 60-66 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes

- Explore internships.
- Schedule an appointment with your academic success specialist to review your academic progress.

TWC 362: Writing in Health Professions (L) OR TWC 347: Written Communication for Managers (L)

\section*{Hours}

3 C
- Explore the Career Guide.

Term hours subtotal:
Term 5 - B 66-75 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 6-A 75-81 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline IT HCR 301: Research Methods for the Health Care Professional & 3 & C & \multirow[t]{3}{*}{- Use Handshake to research employment opportunities.} \\
\hline HCR 303: Assessing Needs, Assets and Capacity for Health Education & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 6-B 81-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCR 341: Biological, Manipulative, and Body-Based Therapies OR HCR 342: Mind-Body and Energy Therapies and Modalities & 3 & C & \multirow[t]{5}{*}{- Complete an in person or virtual practice interview.} \\
\hline HCR 343: Historical and Cultural Foundations of Integrative Health Care & 3 & C & \\
\hline Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 7 - A 90-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCI 311: Health Innovation: Foundational Concepts & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- Explore graduate programs. \\
- Update your resume.
\end{tabular}} \\
\hline \% HCR 400: Evidence-Based Practice for the Health Care Professional & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 96-105 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline § HCR 406: Health Literacy for Health Care Professionals & 3 & C & \multirow[t]{4}{*}{- Gather professional references.} \\
\hline \% HCR 440: Interprofessional Approaches to Integrative Health Care & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 8-A 105-111 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCR 441: Legal and Ethical Issues Impacting Integrative Health Care & 3 & C & \multirow[t]{3}{*}{- Apply for full time career opportunities.} \\
\hline TWC 443: Grant \& Proposal Writing & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 111-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCI 428: Technology: A Tool to Advance Innovation in Health Care & 3 & C & \multirow[t]{4}{*}{- Connect with us as a member of our alumni community.} \\
\hline 5 HCR 449: Integrative Health Care Capstone & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:

Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\author{
Nursing - Post Baccalaureate BSN, BSN
}

School/College: College of Nursing and Health Innovation Location: Downtown Phoenix campus, ASU@ The Gila Valley NUNURDBSN
\begin{tabular}{|c|c|c|c|}
\hline Term 40-17 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- Meet with a member of the Student Academic Services team to review the advancement requirements. \\
- View the Postbaccalaureate Clinical Nursing Program Information Session
\end{tabular}} \\
\hline (4) CHM 101: Introductory Chemistry (SQ) & 4 & C & \\
\hline HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) & 3 & C & \\
\hline (1) PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline (1) STP 226: Elements of Statistics (CS) & 3 & C & Recognition must have 56 credit hours of resident credit at ASU to qualify. Students \\
\hline (1) Minimum 3.50 GPA ASU Cumulative. & & & should complete the additional 6 hours at ASU \\
\hline Term hours subtotal: & 17 & & prior to starting the Postbaccalaureate Clinical Nursing Program (which is a total of 50 hours). For more details, please visit review the University Undergraduate Graduation Requirements. \\
\hline
\end{tabular}
Term 5 17-31 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

14
\begin{tabular}{|c|c|c|c|}
\hline Term 631-35 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline HCR 240: Human Pathophysiology & 4 & C & \multirow[t]{2}{*}{- Apply for advancement by the September 1 deadline.} \\
\hline Milestone: Students must be placed in the Post-Baccalaureate Clinical Nursing Program by the Undergraduate Student Academic Services Office. Placement is not guaranteed. There may be more applicants than clinical space allows. & & & \\
\hline
\end{tabular}

Term hours subtotal: 4
Term 7 35-52 Credit Hours Necessary course signified by
NUR 311: Pharmacology in Nursing
Minn
Grade
\begin{tabular}{|c|c|c|c|}
\hline Summer 752-68 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NUR 315: Nursing Research and Application to Practice (L) & 3 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Gather professional and academic references. \\
- Explore graduate programs.
\end{tabular}} \\
\hline NUR 317: Nursing Concepts for Psychiatric/Mental Health Nursing & 2 & C & \\
\hline NUR 367: Nursing Practice: Psychiatric Mental Health--Postbaccalaureate BSN & 2 & Y & \\
\hline NUR 384: Gerontological Nursing & 1 & C & \\
\hline NUR 415: Nursing Concepts for Childbearing Family & 2 & C & \\
\hline NUR 417: Nursing Concepts: Pediatric Clients & 2 & C & \\
\hline NUR 475: Nursing Practice: Care of the Childbearing Family - Post Baccalaureate & 2 & Y & \\
\hline 3 NUR 477: Nursing Practice: Pediatric Clients & 2 & Y & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 868 - 85 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NUR 416: Nursing Concepts: Community/Public Health & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Study for the National Council Licensure Examination (NCLEX). \\
- Connect with us as a member of our alumni community
\end{tabular}} \\
\hline NUR 418: Nursing Concepts: Complex Care & 3 & C & \\
\hline NUR 419: Leading and Managing Nursing in Organizational Systems & 2 & C & \\
\hline NUR 431: Professional Nurse Attributes Innovative Professional (L) & 3 & C & \\
\hline NUR 476: Nursing Practice: Community and Public Health & 2 & Y & \\
\hline NUR 478: Nursing Practice: Complex Care & 2 & Y & \\
\hline N NUR 479: Nursing Practice: Clinical Immersion & 2 & Y & \\
\hline Term hours subtotal: & 17 & & \\
\hline
\end{tabular}
- Placement into the postbaccalaureate BSN prelicensure program is based on clinical space availability. In addition to the application to ASU, there is a separate advancement process to be selected for placement. Prospective students should consult with the College of Nursing and Health Innovation Student Academic Services for the advancement requirements, including prerequisites, TEAS requirement, and immunization/background requirements. Students should also view the Postbaccalaureate Clinical Nursing Program Information Session.

\section*{Total Hours: 85}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Nursing and Health Innovation Location: Downtown Phoenix campus, ASU@The Gila Valley NUNURDBSN
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \multirow[t]{2}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course
\end{tabular}} \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \\
\hline 4. MAT 142: College Mathematics (MA) & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshmen students. \\
- In order to advance into the Traditional Prelicensure Clinical Nursing Program, you must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details). \\
- Select your career interest area and play me3@ASU. \\
- Create a first draft resume. \\
- Explore Study Abroad options.
\end{tabular}} \\
\hline 4. Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB) & 3 & C & \\
\hline ASU 101-NU: The ASU Experience & 1 & & \\
\hline \multicolumn{3}{|l|}{(1) Minimum 3.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 214-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- In order to advance into the Traditional Prelicensure Clinical Nursing Program, you must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details). \\
- Network in your career interest area. \\
- Join a student club or professional organization. \\
- Secure a part-time job or volunteer experience. \\
- Explore options for summer employment. \\
- Apply for summer Study Abroad.
\end{tabular}} \\
\hline 4. CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition & 3 & C & \\
\hline HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C \& G) & 3 & C & \\
\hline (4. Approved Statistics Course AND Computer/Statistics/Quantitative Applications (CS) & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4) Minimum 3.50 GPA ASU Cumulative.} & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 330-44 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4. BIO 202: Human Anatomy and Physiology II (SG) & 4 & C & \multirow[t]{2}{*}{- In order to advance into the Traditional Prelicensure Clinical Nursing Program, you must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).} \\
\hline 4. CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline
\end{tabular}
4. HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C \& G)

3 C - Develop your skills.
- View the Traditional Prelicensure Clinical Nursing Program Advancement Workshop.

MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)

4
C
Minimum 3.50 GPA ASU Cumulative.
Complete Mathematics (MA) requirement.
Term hours subtotal: 14
\begin{tabular}{|c|c|c|}
\hline Term 444-57 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade \\
\hline HCR 210: Ethics for the Health Care Professional (HU) OR HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) OR HCR 230: Culture and Health (C \& G) & 3 & C \\
\hline (1) HCR 240: Human Pathophysiology & 4 & C \\
\hline (1. NTR 241: Human Nutrition & 3 & C \\
\hline Elective & 3 & \\
\hline 4. Minimum 3.50 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Milestone: Completion of all non-coursework Nursing requirements
(e.g. immunizations/titers, fingerprint clearance card, background
check, CPR/BLS certification, etc.) for continuation into the
Traditional Prelicensure Clinical Nursing Program.
Term hours subtotal:
13

\begin{tabular}{|c|c|c|}
\hline NUR 315: Nursing Research and Application to Practice (L) & 3 & C \\
\hline NUR 326: Health and Illness Concepts: Adults and Psychiatric/Mental Health & 4 & C \\
\hline NUR 337: Experiential Learning: Intermediate & 2 & C \\
\hline NUR 347: Nursing Practice: Childbearing Family & 1 & Y \\
\hline NUR 348: Intermediate Nursing Practice: Adults & 2 & Y \\
\hline NUR 349: Nursing Practice: Psychiatric Mental Health--Prelicensure BSN & 1 & Y \\
\hline NUR 353: Integration of Concepts Across the Lifespan: Conception to End of Life & 3 & C \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}
- In order to advance into the Traditional Prelicensure Clinical Nursing Program, you must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).
- Submit your Clinical Nursing

Advancement Application by February 1 for summer/fall start or September 1 for spring start.
- Develop your professional online presence.
\begin{tabular}{|c|c|c|c|}
\hline Term 7-89-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NUR 404: Professional Nurse Concepts: Intermediate & 2 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Gather professional and academic references. \\
- Explore graduate programs.
\end{tabular}} \\
\hline 5 NUR 425: Health and Illness Concepts: Adults and Pediatrics & 4 & C & \\
\hline N NUR 436: Experiential Learning: Advanced & 3 & C & \\
\hline NUR 446: Complex Nursing Practice: Adults & 1 & Y & \\
\hline \(\checkmark\) NUR 447: Nursing Practice: Pediatrics & 1 & Y & \\
\hline 3 NUR 452: Concepts in Population-Based Health & 3 & C & \\
\hline W NUR 458: Interprofessional Education and Collaboration Seminar & 2 & C & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W NUR 405: Professional Nurse Concepts: Advanced & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Study for the National Council Licensure Examination (NCLEX). \\
- Connect with us as a member of our alumni community.
\end{tabular}} \\
\hline I NUR 437: Experiential Learning: Readiness to Practice & 3 & C & \\
\hline NUR 448: Nursing Practice Readiness & 3 & Y & \\
\hline \% NUR 453: Integration Concepts in the Health Care (L) & 3 & C & \\
\hline \begin{tabular}{l}
NUR 459: Interprofessional Education and Collaboration Seminar: \\
Advanced
\end{tabular} & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
- In order to advance into the Traditional Prelicensure Clinical Nursing Program, you must meet all of the Continuing Eligibility Criteria each semester. Student Services will review all criteria each semester.

The Continuing Eligibility Criteria are as follows:
- Full time (12 or more credits per semester) and continuous enrollment in accordance with Major Map
- Maintain On Track status for terms 1-4
- 3.50 minimum semester ASU GPA in terms 1-4 (includes \(+/\) - in computation)
- Complete remaining 4 or fewer prerequisites in the 4th term
- Successful completion of all screening items
- Grades of C or better in critical (prerequisite) courses

Hide Course List(s)/Track Group(s)
Approved Statistics (CS) Courses
EDP 454: Statistical Data Analysis in
Education (CS)
PAF 301: Applied Statistics (CS)
SBS 304: Social Statistics I (CS)
SOC 390: Social Statistics I (CS)
STP 226: Elements of Statistics (CS)
STP 231: Statistics for Life Science (CS)
SWU 321: Statistics for Social Workers (CS)

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
```

2018-2019 Major Map
Nursing, BSN
School/College: College of Nursing and Health Innovation
Location: Online
NUNURDBSN

```
\begin{tabular}{|c|c|c|c|}
\hline Term 5-A 0-3 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TWC 361: Writing for Health Care Management (L) & 3 & C & \multirow[t]{2}{*}{- Update your resume.} \\
\hline Term hours subtotal: & 3 & & \\
\hline Term 5-B 3-7 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § NUR 391: Professional Nursing Theory (L) & 4 & C & \multirow[t]{2}{*}{- Join a professional organization.} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 6-A 7-10 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
NUR 315: Nursing Research and Application to Practice (L) 3
Term hours subtotal:
- Develop your professional online presence.
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 10-14 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline 3 NUR 440: Community and Public Health Nursing in the United States & 4 & C & \multirow{2}{*}{- Explore graduate programs.} \\
\hline Term hours subtotal: & 4 & & \\
\hline Term 7-B 18-22 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline NUR 495: Public and Global Health in Nursing (G) & 4 & C & \\
\hline
\end{tabular}


\begin{tabular}{|c|c|c|c|}
\hline Term 9-A 30-34 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NUR 445: Nursing Management in Health Care & 4 & C & member of our \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 9-B 34-38 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NUR 464: Capstone: The Synthesis of Professional Nursing & 4 & C & te \\
\hline
\end{tabular}

Term hours subtotal: 4
- There are different options available for the Online RN to BSN including the Pathway, the Non-Pathway, and the Concurrent Enrollment Program. The pre-requisites for each option vary and the number of courses needed to graduate from ASU with a BSN may vary. Students must see an RN to BSN academic advisor for more information about the pre-requisites and the graduation requirements.

Hide Course List(s)/Track Group(s)

\section*{Total Hours: 38}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Applied Science (Emergency Management), BAS}

School/College: College of Public Service and Community Solutions
Location: Downtown Phoenix campus
PPEMGBAS
\begin{tabular}{|c|c|c|c|}
\hline Applicable Community College Prerequisites 0 - 60 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
AAS Transfer Degree Block
- Students may meet lower division general studies requirements with the AAS degree
- Students must complete all ASU general studies requirements in order to earn ASU BAS degree
- Students should work with their academic advisor to run DARS graduation audit to determine needed general studies requirements.
\begin{tabular}{|c|c|c|c|}
\hline Term 560-74 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 3 PAF 201: Economics and Public Policy (SB) & 3 & C & \\
\hline 5 PAF 300: Public Management and Administration & 3 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Elective & 2 & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 674-90 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
PAF 301: Applied Statistics (CS)

Complete Cultural Diversity in the U.S. (C) AN
(G) AND Historical Awareness (H) course(s).
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 2 PAF 302: Public Service Research Methods & 3 & C & \multirow[t]{6}{*}{- Apply for full-time career opportunities} \\
\hline 5 PAF 410: Building Leadership Skills (SB) & 3 & C & \\
\hline PAF 424: Comprehensive Emergency Management & 3 & C & \\
\hline \% PAF 460: Public Service Ethics & 3 & C & \\
\hline \% PAF 468: Simulation and Exercising & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline & & Minimum & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Grade & Notes \\
\hline PAF 400: Senior Capstone Project & 3 & C & \\
\hline PAF 425: National Incident Management System (NIMS) & 3 & C & \\
\hline \% PAF 469: Terrorism Defense & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}

\footnotetext{
Hide Course List(s)/Track Group(s)
}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Community Advocacy and Social Policy, BA}

School/College: College of Public Service and Community Solutions Location: Downtown Phoenix campus, West campus
PPCASPBA
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

SWU 171: Introduction to Social Work (SB \& H) 3 ASU 101-CPP: The ASU Experience

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 1

ENG 107 or ENG 108: First-Year Composition
MAT 142: College Mathematics (MA)
Public Service Interdisciplinary Requirement .

Elective 3

Milestone: Meet with an academic advisor
Term hours subtotal:
16

\section*{Term 216-32 Credit Hours Critical course signified by 4}

ECN 211: Macroeconomic Principles (SB) or SWU 181: Economics: A Social Issues Perspective OR PHI 101: Introduction to Philosophy (HU)or PHI 105: Intro to Ethics (HU) or SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) OR POS 110: American Government and Politics (SB) or SWU 182: Social Services Perspective of Government (SB)
1. PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)

3

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
C
ENG 107 or ENG 108: First-Year Composition
Public Service Interdisciplinary Requirement
Natural Science - Quantitative (SQ) 4
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 3 32-45 Credit Hours Critical course signified by \({ }^{\text {4 }}\) & Hours & Minimum Grade \\
\hline ECN 211: Macroeconomic Principles (SB) or SWU 181: Economics: A Social Issues Perspective OR PHI 101: Introduction to Philosophy (HU) or PHI 105: Intro to Ethics (HU) or SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) OR POS 110: American Government and Politics (SB) or SWU 182: Social Services Perspective of Government (SB) & 3 & \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Elective & 3 & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 13 & \\
\hline
\end{tabular}
- By the end of term four, students should have completed the following requirements:
1. ECN 211 or SWU 181
2. PHI 101 or PHI 105 or SWU 183
3. POS 110 or SWU 182
- Join a student club or professional organization.

Term 445-60 Credit Hours Critical course signified by

\section*{Hours Minimum} Grade

ECN 211: Macroeconomic Principles (SB) or SWU 181: Economics: A Social Issues Perspective OR PHI 101: Introduction to Philosophy (HU) or PHI 105: Intro to Ethics (HU) or SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) OR POS 110: American Government and Politics (SB) or SWU 182: Social Services Perspective of Government (SB)
1. SWU 291: Social Service Delivery Systems

3
- Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement.

Diversity and Oppressed Population
Social Problems and Interventions ..... 33
Elective3

Term 560-75 Credit Hours Necessary course signified by \(\left.\begin{array}{c|c|c|c}\text { Minimum } \\
\text { Grade }\end{array}\right]\) Nours \begin{tabular}{c} 
Notes \\
\hline
\end{tabular}

SWU 303: Micro Human Behavior and the Social Environment (L or SB)
SWU 306: Ethics in Social Services (L)
SWU 321: Statistics for Social Workers (CS)
SWU 374: Diversity and Oppression in a Social Work Context (C) Diversity and Oppressed Population
\begin{tabular}{|c|c|c|}
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline SWU 340: Macro Human Behavior and the Social Environment (SB) & 3 & C \\
\hline SWU 302: Human Biology for Social Workers & 3 & \\
\hline SWU 320: Research Methods in Social Work & 3 & C \\
\hline SWU 350: Whole Person Health Across the Lifespan (SB) & 3 & C \\
\hline Upper Division Diversity and Oppressed Population & 3 & \\
\hline
\end{tabular}Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I SWU 332: Social Policy and Advocacy & 3 & C & \multirow[t]{5}{*}{- Apply for full-time career opportunities.} \\
\hline Upper Division Diversity and Oppressed Population & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Social Problems and Interventions
\end{tabular} & 6 & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Term 8 105-120 Credit Hours Necessary course signified by
- Develop your professional online presence.

5

SWU 488: Advocacy Strategies
3
C

Upper Division Diversity and Oppressed Population
3
Complete 2 courses:
6
Upper Division Social Problems and Interventions
Elective OR SWU 484: Internship
3
- For the Public Service Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

Social Problems and Interventions:
Courses focus on social problems that disproportionately affect members of oppressed populations and change strategies. Select five of the courses in this sequence; four courses must be SWU courses; 12 credits must be upper division.

\section*{Diversity and Oppressed Populations:}

Courses focus on oppressed or marginalized populations and systems of oppression/domination. Select five of the courses in this sequence; two courses must be SWU courses; 9 credits must be upper division.

For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)
\(\left.\begin{array}{l}\text { Public Service Interdisciplinary } \\
\text { Requirement-Area 1 }\end{array} \begin{array}{l}\text { Public Service Interdisciplinary } \\
\text { Requirement-Area } 2\end{array} \quad \begin{array}{l}\text { Public Service Interdisciplinary } \\
\text { Requirement-Area } 3\end{array}\right]\)\begin{tabular}{l} 
NLM 160: Voluntary Action and Community \\
CRJ 203: Courts and Sentencing
\end{tabular}
\begin{tabular}{|c|c|}
\hline SWU 459: Spirituality and the Helping Professions & HST 325: Immigration and Ethnicity in the United States (SB \& H \& C) \\
\hline SWU 460: Legal Issues in Social Work & JUS 350: Immigration and Justice (SB \& C) \\
\hline SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) & POS 435: Women and Politics (SB \& C) \\
\hline SWU 462: Global Social Welfare & REL 330: Native American Worldviews (HU \& C) \\
\hline SWU 498: Overview of Addictions & SOC 378: Migration and Society (SB \& C) \\
\hline & SOC 418: Aging and the Life Course (SB \& H) \\
\hline & SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C) \\
\hline & SWU 457: Southwest Borderland Immigration Issues (C) \\
\hline & SWU 498: Working With American Indians (L) \\
\hline & WST 300: Women and Gender in Contemporary Society (SB \& C) \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Community Advocacy and Social Policy, BA
School/College: College of Public Service and Community Solutions
Location: Online
PPCASPBA
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

SWU 171: Introduction to Social Work (SB \& H)
3

1
ASU 101-CPP: The ASU Experience
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) & \multicolumn{2}{|l|}{3} & \multirow[t]{4}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline Public Service Interdisciplinary Requirement & 3 & & \\
\hline Milestone: Meet with an academic advisor & & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ECN 211: Macroeconomic Principles (SB) or SWU 181: Economics: A
Social Issues Perspective OR PHI 101: Introduction to Philosophy (HU)or PHI 105: Intro to Ethics (HU) or SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) OR POS 110: American Government and Politics (SB) or SWU 182: Social Services Perspective of Government (SB)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
Term hours subtotal:
6
\begin{tabular}{|c|c|c|c|}
\hline  & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

MAT 142: College Mathematics (MA) 3
Elective 3
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 is for ASU freshman students only and is not required for transfer students
- View ASU Online first-time freshmen registration information here.

Introductory Sociology (SB)

Term hours subtotal: Grade

\section*{Hours}

3
C
\(\qquad\)

C \(\cdots\)

Notes
- Mathematics Placement Assessment score determines placement in mathematics course
- By the end of term four, students should have completed the following requirements: 1. ECN 211 or SWU 181
2. PHI 101 or PHI 105 or SWU 183
3. POS 110 or SWU 182
- Join a student club or professional organization.

Hours \begin{tabular}{c|c} 
Minimum \\
Grade
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 32-38 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline Public Service Interdisciplinary Requirement & 3 & & \multirow{4}{*}{- Develop your skills.} \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline \multicolumn{3}{|l|}{(1) Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-A 38-44 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ECN 211: Macroeconomic Principles (SB) or SWU 181: Economics: A Social Issues Perspective OR PHI 101: Introduction to Philosophy (HU) 1. or PHI 105: Intro to Ethics (HU) or SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) OR POS 110: American Government and Politics (SB) or SWU 182: Social Services Perspective of Government (SB)

Elective 3
Term hours subtotal:
6
\begin{tabular}{|c|c|c|c|}
\hline Term 4-B 44-51 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) SWU 291: Social Service Delivery Systems & 3 & C & \multirow{3}{*}{- Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement} \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-A 51-57 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
SWU 303: Micro Human Behavior and the Social Environment (L or
SB)
Diversity and Oppressed Population Course
\begin{tabular}{|c|c|c|c|}
\hline Term 5-B 57-63 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\(\left.\begin{array}{ll}\text { Term } 6 \text { - A 63-69 Credit Hours Necessary course signified by } & \text { Hours } \\ \text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SWU 321: Statistics for Social Workers (CS) & 3 & & \\
\hline SWU 374: Diversity and Oppression in a Social Work Context (C) & 3 & C & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SWU 332: Social Policy and Advocacy & 3 & C & \\
\hline SWU 320: Research Methods in Social Work & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 81-87 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Social Problems and Interventions Course & 3 & & \multirow{3}{*}{- Develop your professional online presence.} \\
\hline Diversity and Oppressed Population Course & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline WWU 302: Human Biology for Social Workers & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 93-99 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Upper Division Diversity and Oppressed Population Course & 3 & & \multirow{3}{*}{- Use Handshake to research employment opportunities.} \\
\hline Upper Division Social Problems and Interventions Course & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SWU 350: Whole Person Health Across the Lifespan (SB) & 3 & C & \\
\hline Upper Division Diversity and Oppressed Population Course & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Social Problems and Interventions Course
\end{tabular} & 6 & & - Apply for full-time career opportunities. \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SWU 488: Advocacy Strategies & 3 & C & \\
\hline Upper Division Diversity and Oppressed Population Course & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & 3838 \\
\hline
\end{tabular}
- For the Public Service Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

Social Problems and Interventions:
Courses focus on social problems that disproportionately affect members of oppressed populations and change strategies. Select five of the courses in this sequence; four courses must be SWU courses; 12 credits must be upper division.

\section*{Diversity and Oppressed Populations:}

Courses focus on oppressed or marginalized populations and systems of oppression/domination. Select five of the courses in this sequence; two courses must be SWU courses; 9 credits must be upper division.

For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291 will satisfy the SBL Requirement.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\begin{tabular}{l} 
Public Service Interdisciplinary \\
Requirement-Area 1
\end{tabular} \\
\begin{tabular}{l} 
Public Serrvice Interdisciplinary \\
CRJ 203: Courts and Sentencing
\end{tabular} \\
\begin{tabular}{l} 
PAF 200: Public Service and Policy in the \\
CRJ 204: Juvenile Justice
\end{tabular} \\
\hline CRJ 225: Introduction to Criminology (SB)
\end{tabular}\(\quad\)\begin{tabular}{l} 
PAF 201: Econtury
\end{tabular}

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 457: Southwest Borderland Immigration Issues (C)

SWU 498: Working With American Indians (L)

WST 300: Women and Gender in
Contemporary Society (SB \& C)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Community Sports Management, BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPCSMBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
ENG 107 or ENG 108: First-Year Composition
PRM 120: Leisure and the Quality of Life (SB)
ASU 101-CPP: The ASU Experience
\(\cdots\)

MAT 142: College Mat
MAT 142: College Mathematics (MA) 3
3 C

3
C

Interdisciplinary Requirement 3
Humanities, Arts and Design (HU)
3
Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.

Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline 4. CRD 210: Community Services and Professions. & 3 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline Elective & 3 & \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hour & 16 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- ASU 101 is for ASU freshman students only and is not required for transfer students
- Network in your career interest area
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-47 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline CSM 201: Introduction to Community Sports & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Secure volunteer experience to start your 200 career field exploration hours \\
- CSM 201 - Fall Only
\end{tabular}} \\
\hline CSM 203: Program Planning & 3 & C & \\
\hline CSM Related Area Course & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) & 3 & & \\
\hline
\end{tabular}

\section*{Term hours subtotal:}

15
\begin{tabular}{|c|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ¢ COM 225: Public Speaking (L) & 3 & C & \\
\hline CSM Related Area Course & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline W CRD 403: Leadership and Professional Development & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Successful completion of CSM 402 will satisfy the college Solution-Based Learning (SBL) Requirement \\
- Research employment/internship opportunities \\
- CSM 407 - Fall Only
\end{tabular}} \\
\hline 2 CSM 402: Assessment and Evaluation of Community Services & 3 & C & \\
\hline CSM 407: Ethics and Legal Issues in Sports & 3 & C & \\
\hline CSM Related Area Course & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108 -120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CSM 463: Senior Internship & 12 & C & \multirow[t]{2}{*}{- Successful completion of CSM 463 will satisfy the college Solution-Based Learning (SBL) Requirement} \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, PRM 315, CSM 463, or CSM 402 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)
\begin{tabular}{l} 
Interdisciplinary Requirement-Area 1 \\
CRJ 100: Introduction to Criminal Justice \\
(SB) \\
CRJ 203: Courts and Sentencing \\
CRJ 204: Juvenile Justice \\
CRJ 225: Introduction to Criminology (SB) \\
CRJ 260: Substantive Criminal Law \\
CRJ 270: Community Justice (SB) \\
CRJ 461: Domestic Violence \\
\hline
\end{tabular}

Interdisciplinary Requirement-Area 3
SWU 171: Introduction to Social Work (SB \& H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)

SWU 250: Stress Management Tools I (SB)
SWU 456: Immigrants and Refugees (C)
SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work
SWU 461: Lesbian, Gay, Bisexual,
Transgender, and Queer Issues (C)
CSM Related Area (12 credits - grade of 'C'
required)
CSM 335: Sports and Recreation for Youth
Development
CSM 483: Sports Tourism
CSM 485: Sports Events
NLM 160: Voluntary Action and Community
Leadership (SB)
NLM 220: Introduction to Nonprofit
Organizations
NLM 310: Volunteer Management
NLM 380: Financial Management for
Nonprofit Organizations
NLM 410: Social Entrepreneurship
PAF 410: Building Leadership Skills (SB)
PRM 364: Foundations of Recreation Therapy
(SB)
PRM 455: Play in Child
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PRM 488: Event Marketing and Promotion

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SWU 180: Introduction to Lesbian, Gay,
Bisexual and Transgender (LGBT) Studies
(SB \& C)
TDM 205: Introduction to Travel and Tourism
(G)
TDM 458: International Tourism (G)
URB 240: Urban Policy (C)

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Criminology and Criminal Justice, BS}

School/College: College of Public Service and Community Solutions
Location: Downtown Phoenix campus, West campus, ASU@Lake Havasu, ASU@Tucson, ASU@Yuma PPCRIMJBS
\begin{tabular}{|l|l|l|l|}
\hline Term 10-17 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

CRJ 100: Introduction to Criminal Justice (SB)
3
C
ASU 101-CPP: The ASU Experience
1
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
Humanities, Arts and Design (HU)
3
Natural Science - Quantitative (SQ)
Social-Behavioral Sciences (SB) AND Global Awareness (G)
Milestone: Meet with an academic advisor
Term hours subtotal:
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- ASU 101 is for ASU freshman students only and is not required for transfer students
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 217-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours M & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline CRJ 201: Criminal Justice Crime Control Policies and Practices OR CRJ 225: Introduction to Criminology (SB) & 3 & C & - Consider enrolling in CRJ 284: Professional \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & for internship credit. CRJ 284 will apply for general elective credit, not CRJ elective credit \\
\hline MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) & 3 & C & - Secure a part-time job or volunteer experience \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{(4.) Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 332-48 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (. CRJ 201: Criminal Justice Crime Control Policies and Practices OR 225: Introduction to Criminology (SB) & 3 & C & - Create a first draft resume \\
\hline CRJ 203: Courts and Sentencing OR CRJ 204: Juvenile Justice OR C 230: Introduction to Policing OR CRJ 240: Introduction to Correction OR CRJ 260: Substantive Criminal Law OR CRJ 270: Community Justice (SB) OR CRJ 2** Elective & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{(4) Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & al: 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) Requirement:
- Students must complete SBL coursework for a total of 3 credits by degree completion.


Interdisciplinary Requirement - Area 3
SWU 171: Introduction to Social Work (SB \& H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)

SWU 250: Stress Management Tools I (SB)
SWU 456: Immigrants and Refugees (C)
SWU 458: Behavioral Health Services
SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work
SWU 461: Lesbian, Gay, Bisexual,
Transgender, and Queer Issues (C)
\begin{tabular}{|c|c|}
\hline CRJ 455: Police and International Terrorism & COM 414: Crisis Communication \\
\hline CRJ 456: Etiology of Martyrdom & COM 421: Rhetoric of Social Issues (HU) \\
\hline CRJ 484: Internship & ENG 301: Writing for the Professions (L) \\
\hline CRJ 492: Honors Directed Study & ENG 302: Business Writing (L) \\
\hline CRJ 493: Honors Thesis (L) & ENG 311: Persuasive Writing (L) \\
\hline CRJ 499: Individualized Instruction & \multirow[b]{2}{*}{HST 322: Constitutional History of the United States Since 1865 (H)} \\
\hline HON 394: Civic Engagement: Where Ideas Evolve Into Action & \\
\hline NLM 310: Volunteer Management & HST 325: Immigration and Ethnicity in the United States (SB \& H \& C) \\
\hline \multirow[t]{22}{*}{PRM 310: Volunteer Management} & HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H) \\
\hline & HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H) \\
\hline & HST 334: African American History Since 1865 ((HU or SB) \& C \& H) \\
\hline & HST 338: American Indian History since 1900 ((HU or SB) \& C \& H) \\
\hline & HST 454: History of Genocide ( G \& H) \\
\hline & IAS 300: Adult Career Development (L or SB) \\
\hline & JUS 329: Domestic Violence (SB) \\
\hline & JUS 350: Immigration and Justice (SB \& C) \\
\hline & JUS 370: Cultural Diversity and Justice ((L or HU) \& C) \\
\hline & JUS 374: The Holocaust, Genocide, and Human Rights \\
\hline & JUS 410: Punishment: Logic and Approach \\
\hline & JUS 432: Racial Justice (L) \\
\hline & JUS 465: Death Penalty in the United States (L) \\
\hline & JUS 467: Terrorism, War, and Justice (SB) \\
\hline & JUS 477: Youth and Justice (L or SB) \\
\hline & LAW 310: The Global Legal Community \\
\hline & MIS 410: American Defense Policy I (SB \& G \& H) \\
\hline & PAF 300: Public Management and Administration \\
\hline & PAF 311: Leadership and Change (SB) \\
\hline & PAF 340: Contemporary Policy Challenges \\
\hline & PAF 410: Building Leadership Skills (SB) \\
\hline & PAF 460: Public Service Ethics \\
\hline
\end{tabular}

\section*{PAF 469: Terrorism Defense}

PHI 306: Applied Ethics (HU)

PHI 307: Philosophy of Law (HU)

PHI 360: Business and Professional Ethics (HU)

PHI 406: Moral Dilemmas (L or HU)

POS 310: American National Government (SB)

POS 325: Public Policy Development (SB)

POS 346: Problems of Democracy (HU)

POS 364: National Security, Intelligence, and Terrorism (SB)

POS 370: Law and Society (SB)
POS 442: American Political Thought (HU)

POS 467: International Security (SB \& G)

POS 470: Law and the Political Order (SB)

POS 471: Constitutional Law I (SB)

POS 472: Constitutional Law II (SB)

POS 480: Global Justice (G)

PSY 350: Social Psychology (SB)
PSY 366: Abnormal Psychology (SB)
PSY 368: Forensic Psychology
PSY 443: Abnormal Child Psychology (L or SB)

PUP 301: Introduction to Urban Planning (L)
REL 379: Religion, Nationalism, and Ethnic Conflict (HU \& G)

REL 381: Religion and Moral Issues (L or HU)

SGS 320: Mechanisms of Governance

SGS 340: Violence, Conflict and Human Rights

SGS 343: Religion, Nationalism, and Ethnic Conflict (HU \& G)

SOC 312: Adolescence (SB)

SOC 332: The Modern City (G)

SOC 340: The Sociology of Deviance (SB)

SOC 352: Social Change (SB \& G \& H)

SOC 360: Sociological Psychology (SB)
SOC 363: Men and Masculinity (SB)
SOC 426: Social Inequality (SB)
STS 364: Science, Technology, and National
Security (SB)
SWU 454: Overview of Addictions
SWU 456: Immigrants and Refugees (C)
SWU 457: Southwest Borderland Immigration
Issues (C)
SWU 460: Legal Issues in Social Work
SWU 498: Prostitution and Sex Trafficking
(L)
TCL 314: Transborder Latin American
Migration to the U.S. ((L or SB) \& H \& C)
TCL 332: Mexican American History Since
1900 (SB \& H \& C)
URB 300: Urban and Metropolitan Studies
URB 305: Urban Governance

Total Hours: 120
Upper Division Hours: 45 minimum Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Criminology and Criminal Justice, BS}

School/College: College of Public Service and Community Solutions
Location: Online
PPCRIMJBS

A student must speak with an advisor in order to be added to a fast track plan.

\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-14 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \multirow[t]{3}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Select your career interest area and play me3@ASU
\end{tabular}} \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-A 14-20 Credit Hours & Hours & Minimum Grade & Notes \\
\hline MAT 117: College Algebra (MA) OR MAT 142: College Mathematics (MA) & 3 & C & \multirow[t]{3}{*}{- Secure a part-time job or volunteer experience} \\
\hline Social-Behavioral Sciences (SB) AND Global Awareness (G) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-B 20-27 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

CRJ 201: Criminal Justice Crime Control Policies and Practices OR CRJ 225: Introduction to Criminology (SB)

Natural Science - General (SG) OR Natural Science - Quantitative (SQ)
4
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 27-33 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline CRJ 201: Criminal Justice Crime Control Policies and Practices OR CRJ 225: Introduction to Criminology (SB) & 3 & C & - Create a first draft resume \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 3-B 33-39 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
CRJ 321: Imperatives of Proof OR CRJ 350: Law and Social Control \\
(SB) OR CRJ 3** Elective OR CRJ 410: Procedural Criminal Law OR \\
CRJ 443: Community Corrections OR CRJ 461: Domestic Violence OR \\
CRJ 462: Gangs OR CRJ 463: White Collar Crime OR CRJ 4** Elective
\end{tabular} & 3 & C & \\
\hline Upper Division Related Area Courses & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 7-B 81-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CRJ 321: Imperatives of Proof OR CRJ 350: Law and Social Control (SB) OR CRJ 3** Elective OR CRJ 410: Procedural Criminal Law OR CRJ 443: Community Corrections OR CRJ 461: Domestic Violence OR CRJ 462: Gangs OR CRJ 463: White Collar Crime OR CRJ 4** Elective & 3 & C & \\
\hline Upper Division Related Area Courses & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CRJ 321: Imperatives of Proof OR CRJ 350: Law and Social Control (SB) OR CRJ 3** Elective OR CRJ 410: Procedural Criminal Law OR CRJ 443: Community Corrections OR CRJ 461: Domestic Violence OR CRJ 462: Gangs OR CRJ 463: White Collar Crime OR CRJ 4** Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 93-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & - Use Handshake to research employment opportunities \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
CRJ 410: Procedural Criminal Law OR CRJ 443: Community \\
Corrections OR CRJ 461: Domestic Violence OR CRJ 462: Gangs OR CRJ 4** Elective
\end{tabular} & 3 & C & - Complete an in person or virtual practice interview \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
CRJ 410: Procedural Criminal Law OR CRJ 443: Community \\
Corrections OR CRJ 461: Domestic Violence OR CRJ 462: Gangs OR CRJ 4** Elective
\end{tabular} & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
CRJ 410: Procedural Criminal Law OR CRJ 443: Community \\
Corrections OR CRJ 461: Domestic Violence OR CRJ 462: Gangs OR CRJ 4** Elective
\end{tabular} & 3 & C & - Gather professional references \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 10-B 117-120 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Solution-Based Learning (SBL) Requirement & 3 & & \\
\hline Term hours subtotal: & 3 & & \begin{tabular}{l}
college requirement for degree completion. \\
Students should select a course from the list below for a total of 3 credits. \\
- Apply for full-time career opportunities
\end{tabular} \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete SBL coursework for a total of 3 credits by degree completion.
\begin{tabular}{|c|c|}
\hline Hide Course List(s)/Track Group(s) & \\
\hline Interdisciplinary Requirement - Area 1 & Interdisciplinary Requirement - Area 2 \\
\hline PRM 120: Leisure and the Quality of Life (SB) & SWU 171: Introduction to Social Work (SB \& H) \\
\hline PRM 380: Wilderness and Parks in America
\[
(\mathrm{SB} \& \mathrm{H})
\] & SWU 250: Stress Management Tools I (SB) \\
\hline TDM 205: Introduction to Travel and Tourism (G) & \\
\hline Solution-Based Learning (SBL) Requirement & Related Area Courses \\
\hline CPP 353: Community Impact Lab & ASB 305: Poverty and Global Health ((L or \\
\hline CPP 494: Community Works & SB) \& G) \\
\hline CPP 494: Undergraduate Research & COM 312: Communication, Conflict, and Negotiation \\
\hline CRD 302: Inclusive Community Development (C) & COM 319: Persuasion and Social Influence (SB) \\
\hline CRD 435: Service Learning for Community Development & COM 414: Crisis Communication \\
\hline CRJ 484: Internship & ENG 301: Writing for the Professions (L) \\
\hline CRJ 499: Individualized Instruction & ENG 311: Persuasive Writing (L) \\
\hline NLM 310: Volunteer Management or PRM & HST 325: Immigration and Ethnicity in the United States (SB \& H \& C) \\
\hline & HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) \& C \& H) \\
\hline & HST 328: Women in U.S. History, 1880-1980 ((HU or SB) \& C \& H) \\
\hline & JUS 350: Immigration and Justice (SB \& C) \\
\hline & JUS 374: The Holocaust, Genocide, and Human Rights \\
\hline & JUS 432: Racial Justice (L) \\
\hline
\end{tabular}

JUS 477: Youth and Justice (L or SB)
PAF 300: Public Management and
Administration
PAF 311: Leadership and Change (SB)
PAF 340: Contemporary Policy Challenges
PAF 410: Building Leadership Skills (SB)
PAF 460: Public Service Ethics
PAF 469: Terrorism Defense
PHI 306: Applied Ethics (HU)
PHI 307: Philosophy of Law (HU)

PHI 360: Business and Professional Ethics (HU)

POS 310: American National Government (SB)

POS 325: Public Policy Development (SB)
POS 364: National Security, Intelligence, and Terrorism (SB)

POS 370: Law and Society (SB)
POS 471: Constitutional Law I (SB)
POS 472: Constitutional Law II (SB)
PSY 350: Social Psychology (SB)

PSY 366: Abnormal Psychology (SB)
PSY 368: Forensic Psychology

PUP 301: Introduction to Urban Planning (L)

SOC 312: Adolescence (SB)

SOC 332: The Modern City (G)

SOC 340: The Sociology of Deviance (SB)

SOC 352: Social Change (SB \& G \& H)
STS 364: Science, Technology, and National Security (SB)

SWU 454: Overview of Addictions

SWU 456: Immigrants and Refugees (C)
SWU 457: Southwest Borderland Immigration Issues (C)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Nonprofit Leadership and Management, BS}

School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPNLMBS
Term 10 - 16 Credit Hours Critical course signified by
ULM 160: Voluntary Action and Community Leadership (SB)
Term 3 32-48 Credit Hours Critical course signified by 1. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

Minimum 2.50 GPA ASU Cumulative.

\section*{Term hours subtotal: \\ 16}
\begin{tabular}{|c|c|c|c|}
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4 COM 225: Public Speaking (L) & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline NLM Related Area & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W CRD 301: Sustainable Communities & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement \\
- Develop your skills
\end{tabular}} \\
\hline NLM 300: Fund Raising and Resource Development & 3 & C & \\
\hline CRD 302: Inclusive Community Development (C) & 3 & C & \\
\hline NLM 310: Volunteer Management & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NLM 380: Financial Management for Nonprofit Organizations & 3 & C & \multirow[t]{3}{*}{- Develop your professional online presence} \\
\hline NLM 410: Social Entrepreneurship & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
NLM Related Area
\end{tabular} & 6 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & \multicolumn{2}{|l|}{3} & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline
\end{tabular}
Term 7 93-108 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, NLM 402, or NLM 463 will satisfy the SBL Requirement.
\begin{tabular}{|c|}
\hline Hide Course List(s)/Track Group(s) \\
\hline Interdisciplinary Requirement-Area 1 \\
\hline CRJ 100: Introduction to Criminal Justice (SB) \\
\hline CRJ 203: Courts and Sentencing \\
\hline CRJ 204: Juvenile Justice \\
\hline CRJ 225: Introduction to Criminology (SB) \\
\hline CRJ 260: Substantive Criminal Law \\
\hline CRJ 270: Community Justice (SB) \\
\hline CRJ 461: Domestic Violence \\
\hline CRJ 462: Gangs \\
\hline NLM Related Area (choose 12 credits) \\
\hline ACC 382: Accounting and Financial Analysis \\
\hline COM 259: Communication in Business and the Professions \\
\hline COM 263: Elements of Intercultural Communication (SB \& C \& G) \\
\hline CSM 485: Sports Events \\
\hline MGT 380: Management and Strategy for Nonmajors \\
\hline NLM 320: Professional Development Seminar \\
\hline NLM 420: Nonprofit Leadership Alliance Institute \\
\hline NLM 435: Service Learning for Community Development \\
\hline PAF 410: Building Leadership Skills (SB) \\
\hline PRM 203: Program Planning \\
\hline PRM 304: Recreation Planning and Facility Development (L) \\
\hline PRM 364: Foundations of Recreation Therapy (SB) \\
\hline PRM 486: Special Events Management \\
\hline SOC 241: Modern Social Problems (SB) \\
\hline
\end{tabular}

Interdisciplinary Requirement-Area 2
PAF 200: Public Service and Policy in the 21st Century

PAF 201: Economics and Public Policy (SB)
PAF 311: Leadership and Change (SB)
URB 240: Urban Policy (C)

Interdisciplinary Requirement-Area 3
SWU 171: Introduction to Social Work (SB \& H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)

SWU 250: Stress Management Tools I (SB)
SWU 458: Behavioral Health Services
SWU 459: Spirituality and the Helping Professions

SWU 461: Lesbian, Gay, Bisexual,
Transgender, and Queer Issues (C)

NLM Related Area (choose 12 credits)
ACC 382: Accounting and Financial Analysis
COM 259: Communication in Business and the Professions

COM 263: Elements of Intercultural Communication (SB \& C \& G) CSM 485: Sports Events MGT 380: Management and Strategy for Nonmajors

NLM 320: Professional Development Seminar NLM 420: Nonprofit Leadership Alliance Institute

NLM 435: Service Learning for Community Development

PAF 410: Building Leadership Skills (SB)
PRM 203: Program Planning
PRM 304: Recreation Planning and Facility Development (L)

PRM 364: Foundations of Recreation Therapy (SB)

SOC 241: Modern Social Problems (SB)

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Nonprofit Leadership and Management (American Indian Studies), BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPNLMAIBS

Term 3 32-48 Credit Hours Critical course signified by 1. Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes

\section*{Term hours subtotal: 16}
\begin{tabular}{|c|c|c|c|}
\hline Term 448-63 Credit Hours Critical course signified by 4 & Hours & Minimum Grade & Notes \\
\hline 1 COM 225: Public Speaking (L) & 3 & C & \\
\hline AIS 285: Federal Indian Policy (H \& C) & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Interdisciplinary Requirement & 3 \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 \\
\hline Elective & 3 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline NLM 300: Fund Raising and Resource Development & 3 & C \\
\hline AIS 360: Issues in Urban Indian Country (C) & 3 & C \\
\hline CRD 301: Sustainable Communities & 3 & C \\
\hline CRD 302: Inclusive Community Development (C) & 3 & C \\
\hline NLM 310: Volunteer Management & 3 & C \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- Successful completion of CRD 301 wil satisfy the college Solution-Based Learning (SBL) Requirement
- Develop your skills
\begin{tabular}{|c|c|c|c|}
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline NLM 380: Financial Management for Nonprofit Organizations & 3 & C & \multirow[t]{5}{*}{- Develop your professional online presence} \\
\hline AIS 380: Contemporary Issues of American Indian Nations (C) & 3 & C & \\
\hline NLM 410: Social Entrepreneurship & 3 & C & \\
\hline NLM Related Area & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline
\end{tabular}

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal
15
\begin{tabular}{|c|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline 2 NLM 430: Managing Nonprofit Organizations (L) & 3 & C & \multicolumn{2}{|l|}{\multirow[t]{6}{*}{\begin{tabular}{l}
- Successful completion of NLM 402 will satisfy the college Solution-Based Learning (SBL) Requirement \\
- Research employment/internship opportunities
\end{tabular}}} \\
\hline AIS 360: Issues in Urban Indian Country (C) OR AIS 370: American Indian Languages and Cultures (C) OR AIS 470: Tribal Governance & 3 & & & \\
\hline CRD 403: Leadership and Professional Development & 3 & C & & \\
\hline NLM 402: Assessment and Evaluation of Community Services & 3 & C & & \\
\hline NLM Related Area & 3 & C & & \\
\hline Term hours subtotal: & 15 & & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & & Notes \\
\hline NLM 463: Senior Internship & 12 & C & \multicolumn{2}{|l|}{\multirow[t]{2}{*}{- Successful completion of NLM 463 will satisfy the college Solution-Based Learning (SBL) Requirement}} \\
\hline Term hours subtotal: & 12 & & & \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion
- Successful completion of CRD 301, NLM 402, or NLM 463 will satisfy the SBL requirement.


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Parks and Recreation Management, BS}

School/College: College of Public Service and Community Solutions
Location: Downtown Phoenix campus
PPPRMBS

\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Elective 6} & \multirow[t]{3}{*}{} \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 5 63-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% CRD 301: Sustainable Communities & 3 & C & \multirow[b]{3}{*}{- Successful completion of PRM 304 or CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement} \\
\hline PRM 304: Recreation Planning and Facility Development (L) & 3 & C & \\
\hline PRM 350: Tourism, Recreation and Sports Marketing & 3 & C & \\
\hline Upper Division PRM Related Area & 3 & C & \begin{tabular}{l}
- Develop your skills \\
- PRM 304 - Fall Only
\end{tabular} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline § CRD 302: Inclusive Community Development (C) & 3 & C & \multirow{5}{*}{\begin{tabular}{l}
- Develop your professional online presence \\
- PRM 401 - Spring Only
\end{tabular}} \\
\hline PRM 401: Managing Leisure Enterprises & \multirow[t]{2}{*}{3
\(\cdots\)
9} & C & \\
\hline \begin{tabular}{l}
Complete 3 courses: \\
Upper Division PRM Related Area
\end{tabular} & & C & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & \multicolumn{2}{|l|}{} & \\
\hline Term hours subtotal: & : 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W CRD 403: Leadership and Professional Development & 3 & C & \multirow[t]{5}{*}{\begin{tabular}{l}
- Successful completion of PRM 402 will satisfy the college Solution-Based Learning (SBL) Requirement \\
- Research employment/internship opportunities
\end{tabular}} \\
\hline W PRM 402: Assessment and Evaluation of Community Services & 3 & C & \\
\hline PRM 364: Foundations of Recreation Therapy (SB) OR PRM 380: Wilderness and Parks in America (SB \& H) & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division PRM Related Area
\end{tabular} & 6 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \(⿳\) PRM 463: Senior Internship & 12 & C & - Successful completion of PRM 463 will \\
\hline W............................................................................................ & 12 & & satisfy the college Solution-Based Learning (SBL) Requirement \\
\hline
\end{tabular}
- In total, six (6) courses must be taken within the PRM Related Area. One (or more) PRM Related Area sub-groups may be completed by choosing coursework listed within each area. Courses from the PRM Related Area group will be used to complete PRM related area.

For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PRM 304, CRD 301, PRM 402, or PRM 463 will satisfy the SBL Requirement.
Hide Course List(s)/Track Group(s)
\begin{tabular}{l} 
Interdisciplinary Requirement-Area 1
\end{tabular}
\begin{tabular}{l} 
CRJ 100: Introduction to Criminal Justice \\
(SB)
\end{tabular}
\begin{tabular}{l} 
PAF 200: Public Service and Policy in the \\
CRJ 203: Courts and Sentencing
\end{tabular}
\begin{tabular}{ll} 
CRJ 204: Juvenile Justice & PAF 201: Economics and Public Policy (SB)
\end{tabular}
CRJ 225: Introduction to Criminology (SB)
CRJ 260: Substantive Criminal Law
CRJ 270: Community Justice (SB)
PRM Related Area: Nat Rec
PRM 370: Public Lands Management
PRM 380: Wilderness and Parks in America
(SB \& H)
PRM 470: Environmental Communication
TDM 480: Sustainable Tourism
PRM Related Area
CSM 201: Introduction to Community Sports
CSM 407: Ethics and Legal Issues in Sports
CSM 483: Sports Tourism
CSM 485: Sports Events
NLM 300: Fund Raising and Resource
Development
PRM Related Area: Comm Rec
CSM 201: Introduction to Community Sports
PRM 315: Community Recreation Systems
PRM 335: Sports and Recreation for Youth
Development
PRM 475: Entrepreneurial Recreation and
Tourism

Interdisciplinary Requirement-Area 3
SWU 171: Introduction to Social Work (SB \& H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)

SWU 250: Stress Management Tools I (SB)
SWU 456: Immigrants and Refugees (C)
SWU 458: Behavioral Health Services
SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work
SWU 461: Lesbian, Gay, Bisexual,
Transgender, and Queer Issues (C)

PRM Related Area: Special Event Mgmt
PRM 486: Special Events Management
PRM 487: Advanced Special Events Management

PRM 488: Event Marketing and Promotion
TDM 345: Meeting and Convention Planning

NLM 310: Volunteer Management
PAF 410: Building Leadership Skills (SB)
PRM 150: Outdoor Pursuits

PRM 340: Outdoor Survival

PRM 364: Foundations of Recreation Therapy (SB)

PRM 400: Intervention Techniques in
Recreation Therapy
PUP 301: Introduction to Urban Planning (L)

TDM 205: Introduction to Travel and Tourism (G)

TDM 350: Tourism, Recreation and Sports
Marketing
TDM 448: Heritage and Cultural Tourism

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Parks and Recreation Management (Therapeutic Recreation), BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPPRMTRBS


- For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, PRM 304, PRM 402, or PRM 463 will satisfy the SBL Requirement.
For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum

Interdisciplinary Requirement-Area 2
PAF 200: Public Service and Policy in the 21st Century

PAF 201: Economics and Public Policy (SB)
PAF 311: Leadership and Change (SB)
PAF 410: Building Leadership Skills (SB)
URB 240: Urban Policy (C)

Interdisciplinary Requirement-Area 3
SWU 171: Introduction to Social Work (SB \& H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)

SWU 250: Stress Management Tools I (SB)
SWU 456: Immigrants and Refugees (C)
SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work
SWU 461: Lesbian, Gay, Bisexual,
Transgender, and Queer Issues (C)

PRM-TR Electives (Choose one course)
CDE 450: Child Dysfunction in the Family
NLM 300: Fund Raising and Resource Development

NLM 310: Volunteer Management
PRM 335: Sports and Recreation for Youth Development

PRM 380: Wilderness and Parks in America (SB \& H)

PRM 384: Recreational Therapy Practicum
PRM 450: Leisure and Aging
PRM 454: Human Services for At-Risk Youth PRM 455: Play in Child Life

PRM 484: Internship
PRM 494: Special Topics

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

\author{
Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum \\ - Mathematical Studies (MA) \\ - Computer/Statistics/Quantitative Applications (CS) \\ - Humanities, Arts and Design (HU) \\ - Social-Behavioral Sciences (SB) \\ - Natural Science - Quantitative (SQ) \\ - Natural Science - General (SG)
}

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy, BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPPAFBS


Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 1. PAF 200: Public Service and Policy in the 21st Century & 3 & C & \multirow[t]{6}{*}{- Develop your skills} \\
\hline ENG 216: Persuasive Writing on Public Issues (L) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline 4 Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. PAF 201: Economics and Public Policy (SB) & 3 & C & \multirow[t]{3}{*}{- Explore an internship} \\
\hline COM 225: Public Speaking (L) & 3 & C & \\
\hline POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Elective} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline P PAF 311: Leadership and Change (SB) & 3 & C & \multirow[t]{6}{*}{- Develop your professional online presence} \\
\hline PAF 301: Applied Statistics (CS) & 3 & C & \\
\hline Concentration Course & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline PAF 340: Contemporary Policy Challenges & 3 & C & \multirow[t]{6}{*}{- Complete an in person or virtual practice interview} \\
\hline PAF 302: Public Service Research Methods & 3 & C & \\
\hline Upper Division Concentration Course & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline
\end{tabular}

Term hours subtotal:
15
\begin{tabular}{|c|c|c|c|}
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% PAF 460: Public Service Ethics & 3 & C & \multirow[t]{4}{*}{- Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement} \\
\hline \(\checkmark\) PAF 484: Internship & 3 & Y & \\
\hline Upper Division Concentration Course & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subt & 15 & & \\
\hline
\end{tabular}
Term 8 108-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

Please choose one of the following concentration areas; students must select classes from the same area. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.
Hide Course List(s)/Track Group(s)
Interdisciplinary Requirement-Area 1
CRJ 100: Introduction to Criminal Justice
(SB)
CRJ 203: Courts and Sentencing
CRJ 204: Juvenile Justice
CRJ 225: Introduction to Criminology (SB)
CRJ 260: Substantive Criminal Law
CRJ 270: Community Justice (SB)
CRJ 461: Domestic Violence
CRJ 462: Gangs

\section*{Public Leadership \& Management} Concentration Courses

PAF 300: Public Management and Administration

PAF 410: Building Leadership Skills (SB)

PAF 420: Public Leadership

Upper Division Concentration Elective (Public
Leadership \& Management)
COM Upper Division Elective
HST Upper Division Elective

MGT Upper Division Elective

NLM Upper Division Elective

POS Upper Division Elective

PSY Upper Division Elective

Solution-Based Learning (SBL) Requirement

CPP 353: Community Impact Lab

Interdisciplinary Requirement-Area 2
SWU 171: Introduction to Social Work (SB \& H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)

SWU 250: Stress Management Tools I (SB)
SWU 456: Immigrants and Refugees (C)
SWU 458: Behavioral Health Services
SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work
SWU 461: Lesbian, Gay, Bisexual,
Transgender, and Queer Issues (C)
Public Policy Concentration Courses
PAF 470: Topics in Public Economics and
Financial Management

PAF 471: Public Policy Analysis
URB 240: Urban Policy (C)

Upper Division Concentration Elective (Public Policy)

CRJ Upper Division Elective

ECN Upper Division Elective

JUS Upper Division Elective NLM Upper Division Elective POS Upper Division Elective PRM Upper Division Elective SWU Upper Division Elective TDM Upper Division Elective

Interdisciplinary Requirement-Area 3
NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Recreation Therapy (SB)

PRM 380: Wilderness and Parks in America (SB \& H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

Urban Studies Concentration Courses
URB 220: Introduction to Urban America
URB 300: Urban and Metropolitan Studies
URB 305: Urban Governance

Upper Division Concentration Elective (Urban Studies)

GCU Upper Division Elective
GPH Upper Division Elective
PUP Upper Division Elective

SOC Upper Division Elective

SOS Upper Division Elective

URB Upper Division Elective

CPP 494: Community Works
CPP 494: Undergraduate Research
CRD 301: Sustainable Communities

CRD 435: Service Learning for Community
Development
PAF 484: Internship

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Public Service and Public Policy, BS}

School/College: College of Public Service and Community Solutions
Location: Online
PPPAFBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

SOC 101: Introductory Sociology (SB)
3
C
ASU 101-CPP: The ASU Experience
1

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
ENG 107 or ENG 108: First-Year Composition
Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Interdisciplinary Requirement & 3 & \\
\hline Cultural Diversity in the U.S. (C) & 3 & registration information here. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-A 13-19 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum & Notes \\
\hline
\end{tabular}

POS 110: American Government and Politics (SB) 3
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR 3
ENG 107 or ENG 108: First-Year Composition
Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
MAT 142: College Mathematics (MA)

3 C
C
Humanities, Arts and Design (HU) AND Historical Awareness (H)
3
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 25-31 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline PAF 200: Public Service and Policy in the 21st Century & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 31-38 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ENG 216: Persuasive Writing on Public Issues (L)
3
C
Natural Science - Quantitative (SQ)
4
- Develop your skills.

Complete Mathematics (MA) requirement.

Term hours subtotal: 7
\begin{tabular}{|c|c|c|c|}
\hline Term 4-A 38-44 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1 PAF 201: Economics and Public Policy (SB) & 3 & C & \\
\hline COM 225: Public Speaking (L) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 44-50 Credit Hours & Hours & Minimum Grade & Notes \\
\hline POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}
Term 5 - A 50 - 57 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 5-B 57-63 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}
\(\left.\begin{array}{ll}\text { Term } 6 \text { - A } 63 \text { - } 69 \text { Credit Hours Necessary course signified by } & \text { Hours } \\ \text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Upper Division Concentration Course & 3 & C \\
\hline Elective & 3 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § PAF 302: Public Service Research Methods & 3 & C & \multirow{3}{*}{- Develop your professional online presence.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal & 6 & & \\
\hline Term 7-B 81-87 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Solution-Based Learning (SBL) Requirement & 3 \\
\hline Upper Division Elective & 3 \\
\hline
\end{tabular}
- The Solution-Based Learning (SBL) is a college requirement for degree completion. Students should select a course from the list below for a total of 3 credits.
\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § PAF 340: Contemporary Policy Challenges & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 93-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Literacy and Critical Inquiry (L) & \multicolumn{2}{|l|}{3} & \multirow{3}{*}{- Complete an in person or virtual practice interview.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PAF 460: Public Service Ethics & 3 & C & \\
\hline Upper Division Concentration Course & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Concentration Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline § PAF 400: Senior Capstone Project & 3 & C & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

Please choose one of the following concentration areas; students must select classes from the same area.
For the Solution-Based Learning (SBL) College Requirement:
- Choose one class from the SBL course list.
- Students must complete one SBL course by degree completion.

\section*{Hide Course List(s)/Track Group(s)}

\section*{Interdisciplinary Requirement-Area 1}

CRJ 100: Introduction to Criminal Justice (SB)

Interdisciplinary Requirement-Area 2
SWU 171: Introduction to Social Work (SB \&
H)

Interdisciplinary Requirement-Area 3
PRM 120: Leisure and the Quality of Life (SB)
CRJ 203: Courts and Sentencing
CRJ 204: Juvenile Justice
CRJ 225: Introduction to Criminology (SB) \begin{tabular}{l} 
SWU 180: Introduction to Lesbian, Gay, \\
Bisexual and Transgender (LGBT) Studies \\
(SB \& C)
\end{tabular}\(\quad\)\begin{tabular}{l} 
PRM 364: Foundations of Recreation Therapy \\
(SB)
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (American Indian Studies), BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPPAFAISBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4 SOC 101: Introductory Sociology (SB) & 3 & C & \multirow{10}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement into mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
\end{tabular}} \\
\hline ASU 101-CPP: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Complete 2 courses: & \multicolumn{2}{|l|}{\multirow[b]{2}{*}{6}} & \\
\hline Interdisciplinary Requirement & & & \\
\hline Elective & 3 & & \\
\hline Milestone: Meet with an academic advisor & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1.1 POS 110: American Government and Politics (SB) & 3 & C & \multirow[t]{2}{*}{- Network in your career interest area} \\
\hline AIS 180: Introduction to American Indian Studies (C) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline
\end{tabular}

Term hours subtotal: 16

\begin{tabular}{|c|c|c|}
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline PAF 311: Leadership and Change (SB) & 3 & C \\
\hline PAF 301: Applied Statistics (CS) & 3 & C \\
\hline POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Elective & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 6 \text { 78-93 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

Upper Division Literacy and Critical Inquiry (L)
Elective 3
Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Term hours subtotal:
15
\(\begin{array}{l}\text { Term } 793 \text { - } 108 \text { Credit Hours Necessary course signified by }\end{array}\) Nours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)
Interdisciplinary Requirement-Area 1
\begin{tabular}{|c|c|c|}
\hline CRJ 100: Introduction to Criminal Justice (SB) & NLM 160: Voluntary Action and Community Leadership (SB) & SWU 171: Introduction to Social Work (SB \& H) \\
\hline CRJ 203: Courts and Sentencing & \multirow[t]{2}{*}{PRM 120: Leisure and the Quality of Life (SB)} & \multirow[t]{2}{*}{SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)} \\
\hline CRJ 204: Juvenile Justice & & \\
\hline CRJ 225: Introduction to Criminology (SB) & PRM 364: Foundations of Recreation Therapy (SB) & \multirow[b]{2}{*}{SWU 181: Economics: A Social Issues Perspective} \\
\hline CRJ 260: Substantive Criminal Law & \multirow[t]{2}{*}{PRM 380: Wilderness and Parks in America ( \(\mathrm{SB} \& \mathrm{H}\) )} & \\
\hline CRJ 270: Community Justice (SB) & & SWU 182: Social Services Perspective of Government (SB) \\
\hline CRJ 461: Domestic Violence & TDM 205: Introduction to Travel and Tourism (G) & \multirow[b]{2}{*}{SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)} \\
\hline \multirow[t]{7}{*}{CRJ 462: Gangs} & TDM 458: International Tourism (G) & \\
\hline & & SWU 250: Stress Management Tools I (SB) \\
\hline & & SWU 456: Immigrants and Refugees (C) \\
\hline & & SWU 458: Behavioral Health Services \\
\hline & & SWU 459: Spirituality and the Helping Professions \\
\hline & & SWU 460: Legal Issues in Social Work \\
\hline & & SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) \\
\hline
\end{tabular}
Solution-Based Learning (SBL) Requirement
CPP 353: Community Impact Lab
CPP 494: Community Works
CPP 494: Undergraduate Research
CRD 301: Sustainable Communities
CRD 435: Service Learning for Community
Development
PAF 484: Internship

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (Business), BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPPAFBUBS


Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline 4 PAF 200: Public Service and Policy in the 21st Century & 3 & C & \multirow[t]{6}{*}{- Develop your skills} \\
\hline ENG 216: Persuasive Writing on Public Issues (L) & 3 & C & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline 4 . Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1 PAF 201: Economics and Public Policy (SB) & 3 & C & \multirow{4}{*}{\begin{tabular}{l}
- Must have minimum 2.00 ASU Cumulative GPA for MGT 380 in Term 5 \\
- Explore an internship
\end{tabular}} \\
\hline COM 225: Public Speaking (L) & 3 & C & \\
\hline POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline F PAF 311: Leadership and Change (SB) & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- Must have minimum 2.00 ASU Cumulative GPA for ACC 382 and FIN 380 in Term 6 \\
- Develop your professional online presence
\end{tabular}} \\
\hline MGT 380: Management and Strategy for Nonmajors & 3 & C & \\
\hline PAF 301: Applied Statistics (CS) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 2 PAF 340: Contemporary Policy Challenges & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Must have minimum 2.00 Cumulative GPA for MKT 390 or MKT 395 in Term 7 \\
- Complete an in person or virtual practice interview
\end{tabular}} \\
\hline ACC 382: Accounting and Financial Analysis & 3 & C & \\
\hline FIN 380: Personal Financial Management & 3 & C & \\
\hline PAF 302: Public Service Research Methods & 3 & C & \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PAF 460: Public Service Ethics & 3 & C & \multirow{6}{*}{- Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement} \\
\hline ) PAF 484: Internship & 3 & Y & \\
\hline MKT 390: Essentials of Marketing OR MKT 395: Essentials of Advertising and Marketing Communication & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PAF 400: Senior Capstone Project & 3 & C & \\
\hline PAF 484: Internship OR Upper Division Elective & 3 & & \\
\hline Complete 2 courses: Upper Division Elective & 6 & & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Hide Course List(s)/Track Group(s)} \\
\hline Interdisciplinary Requirement-Area 1 & Interdisciplinary Requirement-Area 2 & Interdisciplinary Requirement-Area 3 \\
\hline CRJ 100: Introduction to Criminal Justice (SB) & NLM 160: Voluntary Action and Community Leadership (SB) & SWU 171: Introduction to Social Work (SB \& H) \\
\hline CRJ 203: Courts and Sentencing & \multirow[t]{2}{*}{PRM 120: Leisure and the Quality of Life (SB)} & \multirow[t]{2}{*}{SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)} \\
\hline CRJ 204: Juvenile Justice & & \\
\hline CRJ 225: Introduction to Criminology (SB) & PRM 364: Foundations of Recreation Therapy (SB) & \multirow[t]{2}{*}{SWU 181: Economics: A Social Issues Perspective} \\
\hline CRJ 260: Substantive Criminal Law & \multirow[t]{2}{*}{PRM 380: Wilderness and Parks in America
\[
(\mathrm{SB} \& \mathrm{H})
\]} & \\
\hline CRJ 270: Community Justice (SB) & & SWU 182: Social Services Perspective of Government (SB) \\
\hline CRJ 461: Domestic Violence & TDM 205: Introduction to Travel and Tourism (G) & \multirow[t]{2}{*}{SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)} \\
\hline CRJ 462: Gangs & TDM 458: International Tourism (G) & \\
\hline & & SWU 250: Stress Management Tools I (SB) \\
\hline & & SWU 456: Immigrants and Refugees (C) \\
\hline & & SWU 458: Behavioral Health Services \\
\hline & & SWU 459: Spirituality and the Helping Professions \\
\hline & & SWU 460: Legal Issues in Social Work \\
\hline & & SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) \\
\hline
\end{tabular}
Solution-Based Learning (SBL) Requirement
CPP 353: Community Impact Lab
CPP 494: Community Works
CPP 494: Undergraduate Research
CRD 301: Sustainable Communities
CRD 435: Service Learning for Community
Development
PAF 484: Internship

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (Criminology), BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPPAFCBS

\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 PAF 200: Public Service and Policy in the 21st Century & 3 & C & \multirow[t]{5}{*}{- Develop your skills} \\
\hline CRJ 201: Criminal Justice Crime Control Policies and Practices & 3 & C & \\
\hline ENG 216: Persuasive Writing on Public Issues (L) & 3 & C & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative
\[
(\mathrm{SQ})
\] & 4 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 4-63 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline PAF 201: Economics and Public Policy (SB) & 3 & C & \multirow[t]{4}{*}{- Explore an internship} \\
\hline COM 225: Public Speaking (L) & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective & 3 & C & \\
\hline \multicolumn{3}{|c|}{Academic Catalog Archive 2018-2019} & 3889 \\
\hline
\end{tabular}

- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

\begin{tabular}{|c|c|}
\hline Interdisciplinary Requirement-Area 2 & Interdisciplinary Requirement-Area 3 \\
\hline SWU 171: Introduction to Social Work (SB \& H) & NLM 160: Voluntary Action and Community Leadership (SB) \\
\hline SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C) & PRM 120: Leisure and the Quality of Life (SB) \\
\hline SWU 181: Economics: A Social Issues Perspective & (SB) \\
\hline SWU 182: Social Services Perspective of Government (SB) & PRM 380: Wilderness and Parks in America
\[
(\mathrm{SB} \& \mathrm{H})
\] \\
\hline SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) & (G) \\
\hline SWU 250: Stress Management Tools I (SB) & \\
\hline SWU 456: Immigrants and Refugees (C) & \\
\hline SWU 458: Behavioral Health Services & \\
\hline SWU 459: Spirituality and the Helping Professions & \\
\hline SWU 460: Legal Issues in Social Work & \\
\hline SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) & \\
\hline
\end{tabular}

Solution-Based Learning (SBL) Requirement CPP 353: Community Impact Lab CPP 494: Community Works CPP 494: Undergraduate Research CRD 301: Sustainable Communities CRD 435: Service Learning for Community

PAF 484: Internship

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (Emergency Management and Homeland Security), BS
School/College: College of Public Service and Community Solutions
Location: Downtown Phoenix campus
PPPAFEHBS

\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 4 PAF 200: Public Service and Policy in the 21st Century & 3 & C & \multirow[t]{7}{*}{- Develop your skills} \\
\hline CRJ 201: Criminal Justice Crime Control Policies and Practices & 3 & C & \\
\hline ENG 216: Persuasive Writing on Public Issues (L) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Elective & 3 & & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 PAF 201: Economics and Public Policy (SB) & 3 & C & \multirow[t]{4}{*}{- Explore an internship} \\
\hline COM 225: Public Speaking (L) & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Elective 3} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% PAF 311: Leadership and Change (SB) & 3 & C & \multirow[t]{6}{*}{- Develop your professional online presence} \\
\hline PAF 301: Applied Statistics (CS) & 3 & C & \\
\hline PAF 360: Introduction to Emergency Management & 3 & C & \\
\hline PAF 461: Homeland Security & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline FPAF 302: Public Service Research Methods & 3 & C & \multirow{6}{*}{\begin{tabular}{l}
- For Concentration courses, students must select three courses from the concentration area. \\
- Complete an in person or virtual practice interview
\end{tabular}} \\
\hline 5 PAF 340: Contemporary Policy Challenges & 3 & C & \\
\hline Upper Division Emergency Management \& Homeland Security Concentration Course & 3 & C & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete 2 courses: \\
Elective
\[
6
\]
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline OPAF 460: Public Service Ethics & 3 & C & \multirow[t]{6}{*}{- Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement} \\
\hline 3 PAF 484: Internship & 3 & Y & \\
\hline Upper Division Emergency Management \& Homeland Security Concentration Course & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PAF 400: Senior Capstone Project & 3 & C & \\
\hline Upper Division Emergency Management \& Homeland Security Concentration Course & 3 & C & \\
\hline Complete 2 courses: Upper Division Elective & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For Emergency Management \& Homeland Security Concentration courses, students must select three courses from the concentration area.
For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.


\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (Emergency Management and Homeland Security), BS
School/College: College of Public Service and Community Solutions
Location: Online
PPPAFEHBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) SOC 101: Introductory Sociology (SB) & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
- ASU 101 is for ASU freshman students only and is not required for transfer students
\end{tabular}} \\
\hline ASU 101-CPP: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 1-B 7-13 Credit Hours & Hours & Minimum Grade & Notes \\
\hline CRJ 100: Introduction to Criminal Justice (SB) & 3 & C & \multirow{3}{*}{- View ASU Online first-time freshmen registration information here.} \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 2-A 13-19 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4) POS 110: American Government and Politics (SB) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline
\end{tabular}

Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 19-25 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
MAT 142: College Mathematics (MA)

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal: 6
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 25-31 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline 1. PAF 200: Public Service and Policy in the 21st Century & 3 & C & \multirow[t]{2}{*}{- Network in your career interest area.} \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 31-38 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline ENG 216: Persuasive Writing on Public Issues (L) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & Develop your skills. \\
\hline
\end{tabular}

Complete Mathematics (MA) requirement.

\begin{tabular}{|c|c|c|c|}
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 1 PAF 340: Contemporary Policy Challenges & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8 - B 93-99 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \multirow{3}{*}{- Complete an in person or virtual practice interview.} \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline W PAF 460: Public Service Ethics & 3 & C & \\
\hline Upper Division Emergency Management \& Homeland Security Concentration Course & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-111 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-A 111-117 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Emergency Management \& Homeland Security Concentration Course & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 10-B 117-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PAF 400: Senior Capstone Project & 3 & C & \\
\hline Term hours subtotal: & 3 & & \\
\hline
\end{tabular}
- For Emergency Management \& Homeland Security Concentration courses, students must select three courses from the concentration area.
For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Choose one class from the SBL course list.
- Students must complete one SBL course by degree completion.

Hide Course List(s)/Track Group(s)

Interdisciplinary Requirement-Area 1
CRJ 203: Courts and Sentencing

Interdisciplinary Requirement-Area 2
SWU 171: Introduction to Social Work (SB \& H)

Academic Catalog Archive 2018-2019

Interdisciplinary Requirement-Area 3
PRM 120: Leisure and the Quality of Life (SB)
\begin{tabular}{|c|c|}
\hline CRJ 204: Juvenile Justice & \multirow[t]{3}{*}{SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)} \\
\hline CRJ 225: Introduction to Criminology (SB) & \\
\hline \multirow[t]{2}{*}{CRJ 260: Substantive Criminal Law} & \\
\hline & \multirow[t]{2}{*}{SWU 181: Economics: A Social Issues Perspective} \\
\hline CRJ 270: Community Justice (SB) & \\
\hline CRJ 461: Domestic Violence & \multirow[t]{2}{*}{SWU 182: Social Services Perspec} \\
\hline CRJ 462: Gangs & \\
\hline & SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) \\
\hline & SWU 250: Stress Management Tools I (SB) \\
\hline & SWU 456: Immigrants and Refugees (C) \\
\hline & SWU 458: Behavioral Health Services \\
\hline & SWU 460: Legal Issues in Social Work \\
\hline & SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) \\
\hline Solution-Based Learning (SBL) Requirement & \multirow[t]{2}{*}{Emergency Management \& Homeland Security Concentration} \\
\hline CPP 353: Community Impact Lab & \\
\hline CPP 494: Community Works & CRJ 403: Victims and the Criminal Justice System \\
\hline CPP 494: Undergraduate Research & CRJ 409: Police Accountability \\
\hline CRD 435: Service Learning for Community Development & CRJ 412: International Terrorism \\
\hline \multirow[b]{2}{*}{PAF 484: Internship} & CRJ 417: Cyber Terrorism \\
\hline & CRJ 419: Domestic Terrorism \\
\hline & CRJ 422: Violence in America \\
\hline & PAF 424: Comprehensive Emergency Management \\
\hline & PAF 425: National Incident Management System (NIMS) \\
\hline & PAF 468: Simulation and Exercising \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (Health Policy), BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPPAFHPBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4 SOC 101: Introductory Sociology (SB) & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
\end{tabular}} \\
\hline ASU 101-CPP: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Interdisciplinary Requirement
\end{tabular} & 6 & & \\
\hline Cultural Diversity in the U.S. (C) & 3 & & \\
\hline Milestone: Meet with an academic advisor & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{(7)}\) & Hours & Minimum Grade & Notes \\
\hline 1 P POS 110: American Government and Politics (SB) & 3 & C & \multirow[t]{5}{*}{- Network in your career interest area} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline
\end{tabular}

Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline 4. PAF 200: Public Service and Policy in the 21st Century & 3 & C & \multirow[t]{4}{*}{- Develop your skills} \\
\hline ENG 216: Persuasive Writing on Public Issues (L) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline 1 PAF 201: Economics and Public Policy (SB) & 3 & C & \multirow[t]{3}{*}{- Explore an internship} \\
\hline COM 225: Public Speaking (L) & 3 & C & \\
\hline POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective & 3 & C & \\
\hline \multicolumn{4}{|l|}{Complete 2 courses:} \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & 3902 \\
\hline
\end{tabular}

- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.
Interdisciplinary Requirement-Area 1
CRJ 100: Introduction to Criminal Justice
(SB)
CRJ 203: Courts and Sentencing
CRJ 204: Juvenile Justice
CRJ 225: Introduction to Criminology (SB)
CRJ 260: Substantive Criminal Law
CRJ 270: Community Justice (SB)
CRJ 461: Domestic Violence
CRJ 462: Gangs
Solution-Based Learning (SBL) Requirement
CPP 353: Community Impact Lab
CPP 494: Community Works
CPP 494: Undergraduate Research
CRD 301: Sustainable Communities
CRD 435: Service Learning for Community
Development
PAF 484: Internship
Interdisciplinary Requirement-Area 2
NLM 160: Voluntary Action and Community
Leadership (SB)
PRM 120: Leisure and the Quality of Life
(SB)
PRM 364: Foundations of Recreation Therapy
(SB)
PRM 380: Wilderness and Parks in America
(SB \& H)
TDM 205: Introduction to Travel and Tourism
(G)
TDM 458: International Tourism (G)

Interdisciplinary Requirement-Area 3
SWU 171: Introduction to Social Work (SB \& H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)

SWU 250: Stress Management Tools I (SB)
SWU 456: Immigrants and Refugees (C)
SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work SWU 461: Lesbian, Gay, Bisexual,
Transgender, and Queer Issues (C)

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (Law and Policy), BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPPAFLPBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1 SOC 101: Introductory Sociology (SB) & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
\end{tabular}} \\
\hline ASU 101-CPP: The ASU Experience & 1 & & \\
\hline CRJ 100: Introduction to Criminal Justice (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Milestone: Meet with an academic advisor} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 1. POS 110: American Government and Politics (SB) & 3 & C & \multirow[t]{9}{*}{- Network in your career interest area} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 32-48 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 PAF 200: Public Service and Policy in the 21st Century & 3 & C & \multirow[t]{7}{*}{- Develop your skills} \\
\hline ENG 216: Persuasive Writing on Public Issues (L) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline 4. Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{( }\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1 PAF 201: Economics and Public Policy (SB) & 3 & C & \multirow[t]{4}{*}{- Explore an internship} \\
\hline COM 225: Public Speaking (L) & 3 & C & \\
\hline CRJ 201: Criminal Justice Crime Control Policies and Practices & 3 & C & \\
\hline Cultural Diversity in the U.S. (C) ( URB 240 recommended) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{quirement} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 5 63-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline P PAF 311: Leadership and Change (SB) & 3 & C & \multirow[t]{6}{*}{- Develop your professional online presence} \\
\hline LAW 210: Introduction to American Legal System and Business Law & 3 & C & \\
\hline PAF 301: Applied Statistics (CS) & 3 & C & \\
\hline POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective & 3 & C & \\
\hline Elective & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I PAF 340: Contemporary Policy Challenges & 3 & C & \multirow[t]{7}{*}{- Complete an in person or virtual practice interview} \\
\hline PAF 302: Public Service Research Methods & 3 & C & \\
\hline Upper Division Law \& Policy Concentration Elective & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & \multicolumn{2}{|l|}{3} & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PAF 460: Public Service Ethics & 3 & C & \multirow[t]{5}{*}{- Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement} \\
\hline P PAF 484: Internship & 3 & Y & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Law \& Policy Concentration Elective
\end{tabular} & 6 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ¢ PAF 400: Senior Capstone Project & 3 & C & \\
\hline PAF 484: Internship OR Upper Division Elective & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{12} & \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
Interdisciplinary Requirement-Area 1 \\
CRJ 203: Courts and Sentencing \\
CRJ 204: Juvenile Justice \\
\begin{tabular}{l} 
Interdisciplinary Requirement-Area 2 \\
Leadership (SB)
\end{tabular} \\
\hline CRJ 225: Introduction to Criminology (SB)
\end{tabular} \begin{tabular}{l} 
PRM 120: Leisure and the Quality of Life \\
(SB)
\end{tabular}

Interdisciplinary Requirement-Area 3
SWU 171: Introduction to Social Work (SB \& H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)

SWU 250: Stress Management Tools I (SB)
SWU 456: Immigrants and Refugees (C)
SWU 458: Behavioral Health Services
SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work
SWU 461: Lesbian, Gay, Bisexual,
Transgender, and Queer Issues (C)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (Nonprofit Leadership and Management), BS
School/College: College of Public Service and Community Solutions
Location: Downtown Phoenix campus
PPPANLMBS


\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Elective 3} & \\
\hline \multicolumn{3}{|l|}{Minimum 2.00 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 18 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 2 PAF 311: Leadership and Change (SB) & 3 & C & \multirow{6}{*}{- Develop your professional online presence} \\
\hline CRD 210: Community Services and Professions & 3 & C & \\
\hline NLM 220: Introduction to Nonprofit Organizations & 3 & C & \\
\hline PAF 301: Applied Statistics (CS) & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% PAF 340: Contemporary Policy Challenges & 3 & C & \multirow[t]{7}{*}{- Complete an in person or virtual practice interview} \\
\hline NLM 300: Fund Raising and Resource Development & 3 & C & \\
\hline PAF 302: Public Service Research Methods & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PAF 460: Public Service Ethics & 3 & C & \multirow[t]{6}{*}{- Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement} \\
\hline \% PAF 484: Internship & 3 & Y & \\
\hline NLM 430: Managing Nonprofit Organizations (L) OR NLM 310: Volunteer Management OR NLM 410: Social Entrepreneurship & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline PAF 400: Senior Capstone Project & 3 & C & \\
\hline PAF 484: Internship OR Upper Division Elective & 3 & & \\
\hline Complete 2 courses: Upper Division Elective & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.
Hide Course List(s)/Track Group(s)
Interdisciplinary Requirement-Area 1
CRJ 100: Introduction to Criminal Justice
(SB)
CRJ 203: Courts and Sentencing
CRJ 204: Juvenile Justice
CRJ 225: Introduction to Criminology (SB)
CRJ 260: Substantive Criminal Law
Solution-Based Learning (SBL) Requirement
CPP 353: Community Impact Lab
CPP 494: Community Works
CPP 494: Undergraduate Research
CRD 301: Sustainable Communities
CRD 435: Service Learning for Community
Development
PAF 484: Internship

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (Parks and Recreation Management), BS

Location: Downtown Phoenix campus
PPPAPRMBS


- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
\hline Interdisciplinary Requirement-Area 1 \\
CRJ 100: Introduction to Criminal Justice \\
(SB) \\
CRJ 203: Courts and Sentencing \\
CRJ 204: Juvenile Justice \\
CRJ 225: Introduction to Criminology (SB) \\
CRJ 260: Substantive Criminal Law
\end{tabular}
Solution-Based Learning (SBL) Requirement
CPP 353: Community Impact Lab
CPP 494: Community Works
CPP 494: Undergraduate Research
CRD 301: Sustainable Communities
CRD 435: Service Learning for Community
Development
PAF 484: Internship

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (Science and Technology Policy), BS
School/College: College of Public Service and Community Solutions
Location: Downtown Phoenix campus
PPPAFSTBS


Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 PAF 200: Public Service and Policy in the 21st Century & 3 & C & \multirow[t]{7}{*}{- Develop your skills} \\
\hline ENG 216: Persuasive Writing on Public Issues (L) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative
(SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 4-48-63 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4. PAF 201: Economics and Public Policy (SB) & 3 & C & - Explore an internship \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Elective & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § PAF 311: Leadership and Change (SB) & 3 & C & - Develop your professional online \\
\hline PAF 301: Applied Statistics (CS) & 3 & C & presence \\
\hline PAF 350: Introduction to Science \& Technology Policy & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & 6 & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 2 PAF 340: Contemporary Policy Challenges & 3 & C & - Complete an in person or virtual \\
\hline PAF 302: Public Service Research Methods & 3 & C & practice interview \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Science \& Technology Concentration Elective
\end{tabular} & 6 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline § PAF 460: Public Service Ethics & 3 & C & \multirow[t]{6}{*}{- Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement} \\
\hline 5 PAF 484: Internship & 3 & Y & \\
\hline Upper Division Science \& Technology Concentration Elective & 3 & C & \\
\hline Upper Division Literacy and Critical Inquiry (L) & 3 & & \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 5 PAF 400: Senior Capstone Project & 3 & C & \\
\hline \multicolumn{3}{|l|}{PAF 484: Internship OR Upper Division Elective 3} & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.
Interdisciplinary Requirement-Area 1
CRJ 100: Introduction to Criminal Justice
(SB)
CRJ 203: Courts and Sentencing
CRJ 204: Juvenile Justice
CRJ 225: Introduction to Criminology (SB)
CRJ 260: Substantive Criminal Law
CRJ 461: Domestic Violence
CRJ 462: Gangs
Solution-Based Learning (SBL) Requirement
CPP 353: Community Impact Lab
CPP 494: Community Works
CPP 494: Undergraduate Research
CRD 301: Sustainable Communities
CRD 435: Service Learning for Community
Development
PAF 484: Internship
Interdisciplinary Requirement-Area 2
NLM 160: Voluntary Action and Community
Leadership (SB)
PRM 120: Leisure and the Quality of Life
(SB)
PRM 364: Foundations of Recreation Therapy
(SB)
PRM 380: Wilderness and Parks in America
(SB \& H)
TDM 205: Introduction to Travel and Tourism
(G)
TDM 458: International Tourism (G)

Interdisciplinary Requirement-Area 3
SWU 171: Introduction to Social Work (SB \& H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)

SWU 250: Stress Management Tools I (SB)
SWU 456: Immigrants and Refugees (C)
SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work
SWU 461: Lesbian, Gay, Bisexual,
Transgender, and Queer Issues (C)

Science \& Technology Concentration Electives

ASB 344: Technology and Society (L or SB)
BIO 312: Bioethics (HU)
GPH 314: Global Change (HU \& G)
JUS 494: Science, Technology, \& Inequality
PHL 385: Technological Catastrophes
PHL 480: Technology, Ethics, and Society
POS 300: Contemporary Global Controversies (SB \& G)

POS 364: National Security, Intelligence, and Terrorism (SB)

POS 394: Global Environmental Politics
POS 394: Technology and International Politics

POS 494: Technology \& Development in the European Union

POS 494: Technology \& Development in the Middle East

POS 494: Technology and Development in Latin America
POS 494: Technology and Development in
North Africa
POS 494: Technology and Development in
Zones of Conflict
POS 494: Technology, Industry \&
Management in China
STS 318: Science, Technology, and
Government (SB)
STS 325: Science, Technology, and Public
Policy (SB)
WST 340: Gender, Science, and Technology
(SB)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (Social Services Delivery), BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPPAFSSBS
\begin{tabular}{|c|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \(\uparrow\) & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

SOC 101: Introductory Sociology (SB)
3
C
ASU 101-CPP: The ASU Experience
1
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3
C
ENG 107 or ENG 108: First-Year Composition
SWU 171: Introduction to Social Work (SB \& H)
Interdisciplinary Requirement 3

Elective 3

Milestone: Meet with an academic advisor
Term hours subtotal
\begin{tabular}{|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline 4 POS 110: American Government and Politics (SB) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & \\
\hline \multicolumn{3}{|l|}{4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours su & 16 & \\
\hline
\end{tabular}

An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- ASU 101 is for ASU freshman students only and is not required for transfer students
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline 4 PAF 200: Public Service and Policy in the 21st Century & 3 & C & \multirow[t]{5}{*}{- Develop your skills} \\
\hline ENG 216: Persuasive Writing on Public Issues (L) & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline PAF 201: Economics and Public Policy (SB) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement \\
- Explore an internship
\end{tabular}} \\
\hline COM 225: Public Speaking (L) & 3 & C & \\
\hline SWU 291: Social Service Delivery Systems & 3 & C & \\
\hline POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective & 3 & C & \\
\hline \multicolumn{3}{|r|}{Academic Catalog Archive 2018-2019} & 3922 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Elective} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline S PAF 311: Leadership and Change (SB) & 3 & C & \multirow{6}{*}{- Develop your professional online presence} \\
\hline PAF 301: Applied Statistics (CS) & 3 & C & \\
\hline SWU 295: Foundations of Social Work Practice (SB \& C) & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline PAF 340: Contemporary Policy Challenges & 3 & C & \multirow{7}{*}{- Complete an in person or virtual practice interview} \\
\hline PAF 302: Public Service Research Methods & 3 & C & \\
\hline SWU 303: Micro Human Behavior and the Social Environment (L or SB) & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Elective & 3 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PAF 460: Public Service Ethics & 3 & C & \multirow[t]{6}{*}{- Successful completion of PAF 484 will satisfy the college Solution-Based Learning (SBL) Requirement} \\
\hline \(\bigcirc\) PAF 484: Internship & 3 & Y & \\
\hline SWU 310: Social Work Practic.................................................. & 3 & C & \\
\hline SWU 374: Diversity and Oppression in a Social Work Context (C) & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: \({ }^{\text {an }}\)} & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 3 PAF 400: Senior Capstone Project & 3 & C & \\
\hline PAF 484: Internship OR Upper Division Elective & 3 & & \\
\hline SWU 332: Social Policy and Advocacy & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 12} \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291 or PAF 484 will satisfy the SBL Requirement.
\begin{tabular}{|c|c|c|}
\hline Hide Course List(s)/Track Group(s) & \multirow[b]{2}{*}{Interdisciplinary Requirement-Area 2} & \multirow[b]{2}{*}{Interdisciplinary Requirement-Area 3} \\
\hline Interdisciplinary Requirement-Area 1 & & \\
\hline CRJ 100: Introduction to Criminal Justice (SB) & \multirow[t]{2}{*}{SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)} & NLM 160: Voluntary Action and Community Leadership (SB) \\
\hline CRJ 203: Courts and Sentencing & & \multirow[t]{2}{*}{PRM 120: Leisure and the Quality of Life (SB)} \\
\hline CRJ 204: Juvenile Justice & SWU 181: Economics: A Social Issues Perspective & \\
\hline CRJ 225: Introduction to Criminology (SB) & \multirow[t]{2}{*}{SWU 182: Social Services Perspective of Government (SB)} & PRM 364: Foundations of Recreation Therapy (SB) \\
\hline CRJ 260: Substantive Criminal Law & & \multirow[t]{2}{*}{PRM 380: Wilderness and Parks in America (SB \& H)} \\
\hline CRJ 270: Community Justice (SB) & SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) & \\
\hline CRJ 461: Domestic Violence & SWU 250: Stress Management Tools I (SB) & TDM 205: Introduction to Travel and Tourism (G) \\
\hline \multirow[t]{5}{*}{CRJ 462: Gangs} & SWU 456: Immigrants and Refugees (C) & TDM 458: International Tourism (G) \\
\hline & SWU 458: Behavioral Health Services & \\
\hline & SWU 459: Spirituality and the Helping Professions & \\
\hline & SWU 460: Legal Issues in Social Work & \\
\hline & SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) & \\
\hline
\end{tabular}
Solution-Based Learning (SBL) Requirement
CPP 353: Community Impact Lab
CPP 494: Community Works
CPP 494: Undergraduate Research
CRD 301: Sustainable Communities
CRD 435: Service Learning for Community
Development
PAF 484: Internship

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Public Service and Public Policy (Sustainability), BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPPAFSBS


- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of PAF 484 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline CRJ 100: Introduction to Criminal Justice (SB) & SWU 171: Introduction to Social Work (SB \& H) & NLM 160: Voluntary Action and Community Leadership (SB) \\
\hline CRJ 203: Courts and Sentencing & \multirow[t]{2}{*}{SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)} & \multirow[t]{2}{*}{PRM 120: Leisure and the Quality of Life (SB)} \\
\hline CRJ 204: Juvenile Justice & & \\
\hline CRJ 225: Introduction to Criminology (SB) & \multirow[b]{2}{*}{SWU 181: Economics: A Social Issues Perspective} & PRM 364: Foundations of Recreation Therapy (SB) \\
\hline CRJ 260: Substantive Criminal Law & & \multirow[t]{2}{*}{PRM 380: Wilderness and Parks in America ( \(\mathrm{SB} \& \mathrm{H}\) )} \\
\hline CRJ 270: Community Justice (SB) & SWU 182: Social Services Perspective of Government (SB) & \\
\hline CRJ 461: Domestic Violence & \multirow[b]{2}{*}{SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)} & TDM 205: Introduction to Travel and Tourism (G) \\
\hline \multirow[t]{7}{*}{CRJ 462: Gangs} & & TDM 458: International Tourism (G) \\
\hline & SWU 250: Stress Management Tools I (SB) & \\
\hline & SWU 456: Immigrants and Refugees (C) & \\
\hline & SWU 458: Behavioral Health Services & \\
\hline & SWU 459: Spirituality and the Helping Professions & \\
\hline & SWU 460: Legal Issues in Social Work & \\
\hline & SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) & \\
\hline Solution-Based Learning (SBL) Requirement & Sustainability Concentration Electives & \\
\hline CPP 353: Community Impact Lab & SOS 320: Society and Sustainability (L or SB) & \\
\hline CPP 494: Community Works & \multirow[t]{2}{*}{SOS 321: Policy and Governance in Sustainable Systems} & \\
\hline CPP 494: Undergraduate Research & & \\
\hline CRD 301: Sustainable Communities & SOS 322: International Development and Sustainability & \\
\hline CRD 435: Service Learning for Community Development & SOS 323: Sustainable Urban Dynamics & \\
\hline PAF 484: Internship & SOS 324: Sustainable Energy Technology and Systems & \\
\hline & SOS 325: The Economics of Sustainability & \\
\hline & SOS 326: Sustainable Ecosystems & \\
\hline & SOS 327: Sustainable Food and Farms & \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Recreation Therapy, BS
School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPRECTBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
- ASU 101 is for ASU freshman students only and is not required for transfer students
\end{tabular}} \\
\hline (1) PRM 120: Leisure and the Quality of Life (SB) & 3 & C & \\
\hline ASU 101-CPP: The ASU Experience & 1 & & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4. CRD 210: Community Services and Professions & 3 & C & \multirow{7}{*}{- Secure volunteer experience to start your 200 career field exploration hours} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & C & \\
\hline Historical Awareness (H) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 332-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (4. COM 225: Public Speaking (L) & 3 & C & \multirow[t]{7}{*}{- Network in your career interest area} \\
\hline BIO 201: Human Anatomy and Physiology I (SG) & 4 & C & \\
\hline HCR 210: Ethics for the Health Care Professional (HU) & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline \multicolumn{3}{|l|}{(4) Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-61 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) CDE 232: Human Development (SB) & 3 & C & \\
\hline BIO 202: Human Anatomy and Physiology II (SG) & 4 & C & \\
\hline HCR 230: Culture and Health (C \& G) & 3 & C & \\
\hline PRM 203: Program Planning & 3 & & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative. Academic Catalog Archive 2018-2019} & 3930 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 561-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline PRM 304: Recreation Planning and Facility Development (L) & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Students who enroll in EXW 315 will need to take EXW 101 and EXW 316 as co-requisites. Students who enroll in EXW 325 or EXW 335 will take elective credit. \\
- Successful completion of PRM 304 will satisfy the college Solution-Based
\end{tabular}} \\
\hline EXW 315: Physiological Foundations of Movement AND EXW 101: & & & \\
\hline Foundations in Exercise Science and Wellness AND EXW 316: & & & \\
\hline Physiological Foundations of Movement Laboratory OR EXW 325: & 7 & & \\
\hline Fitness for Life AND Elective OR EXW 335: Physical Activity and & & & \\
\hline Fitness Concepts AND Elective & & & \\
\hline PRM 364: Foundations of Recreation Therapy (SB) & 3 & C & \\
\hline PSY 366: Abnormal Psychology (SB) & 3 & C & Learning (SBL) Requirement
- PRM 304 - Fall only \\
\hline Term hours subtotal: & 16 & & - Develop your skills \\
\hline
\end{tabular}
Term 6 77-93 Credit Hours Necessary course signified by Nours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
\(\begin{array}{l}\text { Term } 7 \text { 93-108 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{c} 
Notes
\end{tabular}
- For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, PRM 304, PRM 402, or PRM 463 will satisfy the SBL Requirement.
For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.
\begin{tabular}{|c|c|c|}
\hline Hide Course List(s)/Track Group(s) & \multirow[b]{2}{*}{Interdisciplinary Requirement-Area 2} & \multirow[b]{2}{*}{Interdisciplinary Requirement-Area 3} \\
\hline Interdisciplinary Requirement-Area 1 & & \\
\hline CRJ 100: Introduction to Criminal Justice (SB) & PAF 200: Public Service and Policy in the 21st Century & SWU 171: Introduction to Social Work (SB \& H) \\
\hline CRJ 203: Courts and Sentencing & PAF 201: Economics and Public Policy (SB) & \multirow[t]{2}{*}{SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)} \\
\hline CRJ 204: Juvenile Justice & PAF 311: Leadership and Change (SB) & \\
\hline CRJ 225: Introduction to Criminology (SB) & PAF 410: Building Leadership Skills (SB) & \multirow[t]{2}{*}{SWU 181: Economics: A Social Issues Perspective} \\
\hline CRJ 260: Substantive Criminal Law & URB 240: Urban Policy (C) & \\
\hline CRJ 270: Community Justice (SB) & & SWU 182: Social Services Perspective of Government (SB) \\
\hline CRJ 461: Domestic Violence & & \multirow[t]{2}{*}{SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)} \\
\hline \multirow[t]{7}{*}{CRJ 462: Gangs} & & \\
\hline & & SWU 250: Stress Management Tools I (SB) \\
\hline & & SWU 456: Immigrants and Refugees (C) \\
\hline & & SWU 458: Behavioral Health Services \\
\hline & & SWU 459: Spirituality and the Helping Professions \\
\hline & & SWU 460: Legal Issues in Social Work \\
\hline & & SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) \\
\hline
\end{tabular}

PRM-TR Electives (Choose one course)
EXW 101: Foundations in Exercise Science and Wellness

NLM 300: Fund Raising and Resource
Development

NLM 310: Volunteer Management
PRM 335: Sports and Recreation for Youth
Development
PRM 380: Wilderness and Parks in America ( \(\mathrm{SB} \& \mathrm{H}\) )

PRM 484: Internship PRM 494: Special Topics

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: College of Public Service and Community Solutions Location: Downtown Phoenix campus, West campus, ASU@Tucson PPSWUSWU

\section*{The Tucson location option is only available to transfer students.}
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \% & Hours & Minimum Grade & Notes \\
\hline 1 ) SWU 171: Introduction to Social Work (SB \& H) & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
- ASU 101 is for ASU freshman students only and is not required for transfer students
\end{tabular}} \\
\hline ASU 101-CPP: The ASU Experience & 1 & & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Milestone: Meet with an academic advisor} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-29 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ECN 211: Macroeconomic Principles (SB) or SWU 181: Economics: A Social Issues Perspective OR PHI 101: Introduction to Philosophy ) (HU) or PHI 105: Intro to Ethics (HU) or SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) OR POS 110: American Government and Politics (SB) or SWU 182: Social Services Perspective of Government (SB)PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

Cultural Diversity Sequence OR
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal:
13-12
Term 3 29-43 Credit Hours Critical course signified by \(9 \quad\) Hours \begin{tabular}{c|c|c|}
\hline Minimum \\
Grade
\end{tabular}
ECN 211: Macroeconomic Principles (SB) or SWU 181: Economics:
A Social Issues Perspective OR PHI 101: Introduction to Philosophy
(HU) or PHI 105: Intro to Ethics (HU) or SWU 183: Introductory
Ethics: A Social Issues Perspectives (HU) OR POS 110: American
Government and Politics (SB) or SWU 182: Social Services
Perspective of Government (SB)
Literacy and Critical Inquiry (L)
3

Natural Science - Quantitative (SQ)
4
- By the end of term four, students should have completed the following requirements:
1. ECN 211 or SWU 181
2. PHI 101 or PHI 105 or SWU 183
3. POS 110 or SWU 182
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Join a student club or professional organization.

Cultural Diversity Sequence OR
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or
equivalent), including American Sign Language IV.
Complete Mathematics (MA) requirement.
Term hours subtotal:
14-13
1. ECN 211 or SWU 181
2. PHI 101 or PHI 105 or SWU 183
3. POS 110 or SWU 182
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Develop your skills.
\begin{tabular}{|c|c|c|c|}
\hline Term 4-59 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ECN 211: Macroeconomic Principles (SB) or SWU 181: Economics: A
Social Issues Perspective OR PHI 101: Introduction to Philosophy (HU) or PHI 105: Intro to Ethics (HU) or SWU 183: Introductory Ethics: A Social Issues Perspectives (HU) OR POS 110: American Government and Politics (SB) or SWU 182: Social Services Perspective of Government (SB)
\begin{tabular}{|c|c|c|}
\hline SWU 291: Social Service Delivery Systems & 3 & C \\
\hline SWU 295: Foundations of Social Work Practice (SB \& C) & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline \begin{tabular}{l}
Cultural Diversity Sequence OR \\
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4-3 & \\
\hline
\end{tabular}

Milestone: Students must have a 2.50 or higher in the following
4. courses: SWU 171, SWU 291, SWU 295, and a minimum overall GPA of 2.00 in order to advance to 300 level SWU courses.
\[
\text { Term hours subtotal: } \quad 16-15
\]

\begin{tabular}{|c|c|c|}
\hline SWU 303: Micro Human Behavior and the Social Environment (L or SB) & 3 & C \\
\hline SWU 340: Macro Human Behavior and the Social Environment (SB) & 3 & C \\
\hline SWU 320: Research Methods in Social Work & 3 & C \\
\hline SWU 374: Diversity and Oppression in a Social Work Context (C) & 3 & C \\
\hline
\end{tabular}
- Successful completion of SWU 291 will satisfy the college Solution-Based Learning (SBL) Requirement
- Develop your professional online presence.
- BSW Advancement:

Successful completion of: SWU 171
SWU 295
SWU 291
SWU 311

Natural Science - Quantitative (SQ) OR Natural Science - General (SG) 4
\(\leadsto\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Milestone: Completion of all lower-division university general studies requirements.

Milestone: Required: Minimum 3.0 GPA in 306, 311 and 312.
Minimum 3.0 GPA in \(303,340 \& 374\) and a minimum overall GPA of 2.00 in order to advance to 400 level SWU courses.

Term hours subtotal:
16

SWU 312
Documented completion of 40 hours human services experience,
Level 1 Fingerprint Clearance Card, Signed Standards of Professional and Ethical Behavior form.
- Use Handshake to research employment opportunities.
\begin{tabular}{|c|c|c|}
\hline Term 791-106 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline SWU 410: Social Work Practice II & 3 & C \\
\hline SWU 412: Field Instruction I & 3 & C \\
\hline SWU 413: Field Instruction Seminar & 3 & C \\
\hline SWU 432: Social Policy and Services & 3 & C \\
\hline Interdisciplinary Requirement & 3 & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}

\section*{Notes}
- Successful completion of SWU 412 will satisfy the college Solution-Based Learning (SBL) Requirement.
- Apply for full-time career opportunities.
Term 8 106-120 Credit Hours Necessary course signified by Hours \(_{\text {Minimum }}^{\text {Grade }}\)\begin{tabular}{c} 
Notes
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of SWU 291, SWU 412, or SWU 414 will satisfy the SBL Requirement.

Hide Course List(s)/Track Group(s)
\begin{tabular}{llll}
\hline Interdisciplinary Requirement-Area 1 & Interdisciplinary Requirement-Area 2 & Interdisciplinary Requirement-Area 3
\end{tabular}
CRJ 225: Introduction to Criminology (SB) \begin{tabular}{l} 
PAF 410: Building Leadership Skills (SB)
\end{tabular} \begin{tabular}{l} 
PRM 364: Foundations of Recreation Therapy \\
(SB)
\end{tabular}

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.75 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Tourism Development and Management, BS}

School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPTDMBS


- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, TDM 402, or TDM 463 will satisfy the SBL Requirement.


Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Tourism Development and Management (Resort and Hotel Leadership), BS}

School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPTDMRBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) PRM 120: Leisure and the Quality of Life (SB) & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course
\end{tabular}} \\
\hline ASU 101-CPP: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & First-Year Seminar required of all \\
\hline Social-Behavioral Sciences (SB) & 3 & & freshman students \\
\hline
\end{tabular}

Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours.

Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. TDM 205: Introduction to Travel and Tourism (G) & 3 & C & \\
\hline
\end{tabular}

ENG 105: Advanced First-Year Composition OR
C
ENG 107 or ENG 108: First-Year Composition
Interdisciplinary Requirement Course 3
Natural Science - Quantitative (SQ) 4
Elective 3
1. Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 16

\begin{tabular}{|c|c|c|}
\hline COM 225: Public Speaking (L) & 3 & C \\
\hline TDM 225: Introduction to Resort and Hotel Management & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & \\
\hline
\end{tabular}

Complete 2 courses:
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Elective 6} & \\
\hline \multicolumn{4}{|l|}{Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § CRD 301: Sustainable Communities & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Successful completion of CRD 301 will satisfy the college Solution-Based Learning (SBL) Requirement \\
- Develop your skills
\end{tabular}} \\
\hline 5 TDM 372: Tourism Planning (L) & 3 & C & \\
\hline CRD 302: Inclusive Community Development (C) & 3 & C & \\
\hline TDM 350: Tourism, Recreation and Sports Marketing & 3 & C & \\
\hline Upper Division TDM Elective & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I TDM 481: Sustainable Food Management in Tourism & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Develop your professional online presence \\
- TDM 481 \& TDM 482 - Spring Only
\end{tabular}} \\
\hline PAF 410: Building Leadership Skills (SB) & 3 & C & \\
\hline TDM 482: Sustainable Revenue Management & 3 & C & \\
\hline Upper Division TDM Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 3 CRD 403: Leadership and Professional Development & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Successful completion of TDM 402 will satisfy the college Solution-Based Learning (SBL) Requirement \\
- Research employment and internship opportunities
\end{tabular}} \\
\hline 1 TDM 402: Assessment and Evaluation of Community Services & 3 & C & \\
\hline TDM 401: Tourism Management & 3 & C & \\
\hline TDM 458: International Tourism (G) & 3 & C & \\
\hline TDM 480: Sustainable Tourism & \multicolumn{2}{|l|}{3 C} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{15} & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% TDM 463: Senior Internship & 12 & C & - Successful completion of TDM 463 will \\
\hline Term hours subtotal: & 12 & & satisfy the college Solution-Based Learning (SBL) Requirement \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of TDM 225, CRD 301, TDM 402, or TDM 463 will satisfy the SBL Requirement.
\begin{tabular}{lll}
\hline Interdisciplinary Requirement-Area 1 & Interdisciplinary Requirement-Area 2 & Interdisciplinary Requirement-Area 3
\end{tabular}

\section*{TDM Electives}

LES 305: Business Law and Ethics for Managers

MGT 380: Management and Strategy for Nonmajors

PRM 475: Entrepreneurial Recreation and Tourism

PRM 486: Special Events Management TDM 345: Meeting and Convention Planning TDM 386: Convention Sales and Management

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Tourism Development and Management (Sustainable Tourism), BS}

School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPTDMSBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 PRM 120: Leisure and the Quality of Life (SB) & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
- ASU 101 is for ASU freshman students only and is not required for transfer students
\end{tabular}} \\
\hline ASU 101-CPP: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Milestone: Meet with an academic advisor to discuss requirement of 200 career field exploration hours. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 1. TDM 205: Introduction to Travel and Tourism (G) & 3 & C & \multirow[t]{9}{*}{- Network in your career interest area} \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline 4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1.1 CRD 210: Community Services and Professions & 3 & C & \multirow[t]{6}{*}{- Secure volunteer experience to start your 200 career field exploration hours} \\
\hline SOS 100: Introduction to Sustainability (G) & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline 1. Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline 1 COM 225: Public Speaking (L) & 3 & C & \\
\hline TDM Electives & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & 3946 \\
\hline
\end{tabular}

- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of CRD 301, TDM 402, or TDM 463 will satisfy the SBL Requirement.


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Tourism and Recreation Management, BS}

School/College: College of Public Service and Community Solutions
Location: ASU@Lake Havasu
PPTRMBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (1) PRM 120: Leisure and the Quality of Life (SB) & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
\end{tabular}} \\
\hline ASU 101-CPP: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 216-32 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4) TDM 205: Introduction to Travel and Tourism (G) & 3 & C & \multirow[t]{6}{*}{- Network in your career interest area} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline
\end{tabular}

Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 3 32-48 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline (1. COM 225: Public Speaking (L) & 3 & C & \multirow{7}{*}{- Secure volunteer experience to start your 200 career field exploration hours} \\
\hline (4) PRM 210: Leisure Delivery Systems & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{3}{|l|}{4. Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4. PRM 203: Program Planning & 3 & C & \\
\hline CRD 350: Tourism, Recreation and Sports Marketing & 3 & C & \\
\hline PRM 310: Volunteer Management & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Emphasis Core Course
\end{tabular} & 6 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 563-78 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% CRD 302: Inclusive Community Development (C) & 3 & C & \multirow[t]{6}{*}{- Develop your skills} \\
\hline 2 PRM 380: Wilderness and Parks in America (SB \& H) & 3 & C & \\
\hline 5 Upper Division Literacy and Critical Inquiry (L) & 3 & C & \\
\hline Upper Division Elective OR Upper Division Emphasis Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 678-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 2 CRD 401: Managing Leisure Enterprises & 3 & C & \multirow[t]{5}{*}{- Develop your professional online presence} \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Emphasis Elective Course
\end{tabular} & 6 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Upper Division Elective
\end{tabular} & 6 & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 793-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I CRD 403: Leadership and Professional Development & 3 & C & \multirow[t]{6}{*}{- Use Handshake to research employment and internship opportunities} \\
\hline \(\bigcirc\) Emphasis Core Course & 3 & C & \\
\hline 5 Upper Division Emphasis Elective Course & 3 & C & \\
\hline CRD 402: Assessment and Evaluation of Community Services & 3 & C & \\
\hline Upper Division Elective OR Upper Division Emphasis Elective & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

PRM 484: Internship or TDM 484: Internship or CSM 484: Internship
OR CRD 435: Service Learning for Community Development AND
6 C
Emphasis Elective
Upper Division Elective OR Upper Division Emphasis Elective 3 C
Upper Division Elective
Term hours subtotal: 12
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of TDM/PRM/CSM 484 or CRD 435 will satisfy the SBL requirement.
\begin{tabular}{|c|c|}
\hline Interdisciplinary Requirement-Area 1 & Interdisciplinary Requirement-Area 2 \\
\hline CRJ 100: Introduction to Criminal Justice
(SB) & PAF 200: Public Service and Policy in the 21st Century \\
\hline CRJ 204: Juvenile Justice & PAF 201: Economics and Public Policy (SB) \\
\hline CRJ 225: Introduction to Criminology (SB) & PAF 311: Leadership and Change (SB) \\
\hline CRJ 270: Community Justice (SB) & \\
\hline CRJ 461: Domestic Violence & \\
\hline CRJ 462: Gangs & \\
\hline Events Emphasis Core Courses (grade of "C" required) & Recreation Emphasis Core Courses (grade of " C " required) \\
\hline PRM 486: Special Events Management & PRM 201: Introduction to Community Sports \\
\hline PRM 487: Advanced Special Events Management & PRM 364: Foundations of Recreation Therapy (SB) \\
\hline PRM 488: Event Marketing and Promotion & PRM 475: Entrepreneurial Recreation and Tourism \\
\hline Events Emphasis Elective Courses (choose 3 courses; grade of "C" required) & Recreation Emphasis Elective Courses (choose 3 courses; grade of " C " required) \\
\hline CSM 483: Sports Tourism & PRM 485: Sports Events \\
\hline CSM 485: Sports Events & PRM 486: Special Events Management \\
\hline PRM 475: Entrepreneurial Recreation and Tourism & PRM 487: Advanced Special Events Management \\
\hline TDM 345: Meeting and Convention Planning & PRM 488: Event Marketing and Promotion \\
\hline TDM 386: Convention Sales and Management & TDM 448: Heritage and Cultural Tourism \\
\hline & TDM 480: Sustainable Tourism \\
\hline Tourism Emphasis Core Course (grade of "C" required) & Tourism Emphasis Elective Courses (choose 3 courses; grade of "C" required) \\
\hline TDM 225: Introduction to Resort and Hotel Management & PRM 486: Special Events Management \\
\hline & TDM 345: Meeting and Convention Planning \\
\hline TDM 458. International Iourism (G) & TDM 386: Convention Sales and Management \\
\hline TDM 480: Sustainable Tourism & TDM 448: Heritage and Cultural Tourism \\
\hline & TDM 475: Introduction to Resort and Hotel Management \\
\hline & TDM 483: Sports Tourism \\
\hline
\end{tabular}

Interdisciplinary Requirement-Area 3
SWU 171: Introduction to Social Work (SB \& H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Social Services Perspective of Government (SB)

SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)

SWU 250: Stress Management Tools I (SB)

Sport Emphasis Core Courses (grade of "C" required)

CSM 201: Introduction to Community Sports
CSM 483: Sports Tourism
CSM 485: Sports Events

Sport Emphasis Elective Courses (choose 3 courses; grade of " C " required)

PRM 364: Foundations of Recreation Therapy (SB)

PRM 487: Advanced Special Events
Management
PRM 488: Event Marketing and Promotion
TDM 458: International Tourism (G)
TDM 475: Entrepreneurial Recreation and Tourism

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Tourism and Recreation Management, BS}

School/College: College of Public Service and Community Solutions
Location: Online
PPTRMBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 1 PRM 120: Leisure and the Quality of Life (SB) & 3 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
\end{tabular}} \\
\hline ASU 101-CPP: The ASU Experience & 1 & & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-14 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - View ASU Online first-time freshmen registration information here. \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-A 14-20 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline 4 PRM 210: Leisure Delivery Systems & 3 & C & \multirow{3}{*}{- Network in your career interest area} \\
\hline MAT 142: College Mathematics (MA) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 20-27 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Natural Science - General (SG) OR Natural Science - Quantitative (SQ) & 4 & & \\
\hline \multicolumn{4}{|l|}{4 . Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \\
\hline Term 3-A 27-33 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline 1.1 TDM 205: Introduction to Travel and Tourism (G) & 3 & C & \multirow[t]{2}{*}{- Secure volunteer experience to start your 200 career field exploration hours} \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 33-39 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|}
\hline Humanities, Arts and Design (HU) \\
\hline Elective \\
\hline
\end{tabular}
- Consider combining your electives into one of the online minors. Suggestions include: Anthropology
Business
Organizational Leadership
\begin{tabular}{|c|c|c|c|}
\hline Term 4-A 39-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline COM 225: Public Speaking (L) & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 4-B 45-51 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline - PRM 203: Program Planning & 3 & C & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-A 51-57 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline § CRD 302: Inclusive Community Development (SB \& C) & 3 & C & \multirow[t]{3}{*}{- Develop your skills} \\
\hline ) PRM 380: Wilderness and Parks in America (SB \& H) & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 5-B 57-63 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Emphasis Core Course & 3 & C & \multirow[b]{2}{*}{- All students must select one of the following four emphases:} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & Events \\
\hline & & & Tourism \\
\hline & & & Recreation \\
\hline & & & Sport \\
\hline & & & Core and elective courses for each emphasis are shown at the bottom of the major map. \\
\hline Term 6-A 63-69 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Emphasis Core Course & 3 & C & \multirow[b]{7}{*}{\begin{tabular}{l}
- All students must select one of the following four emphases: \\
Events \\
Tourism \\
Recreation \\
Sport \\
Core and elective courses for each emphasis are shown at the bottom of the major map.
\end{tabular}} \\
\hline CRD 350: Tourism, Recreation and Sports Marketing & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline & & & \\
\hline & & & \\
\hline & & & \\
\hline & & & \\
\hline Term 6-B 69-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I PRM 310: Volunteer Management & 3 & C & \multirow[t]{4}{*}{- Core and elective courses for each emphasis are shown at the bottom of the major map.} \\
\hline Upper Division Elective OR Upper Division Emphasis Elective & 3 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 7-A 75-81 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \(\bigcirc\) Upper Division Literacy and Critical Inquiry (L) & 3 & C & \multirow[t]{3}{*}{- Develop your professional online presence} \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 7-B 81-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline 3 Upper Division Emphasis Elective Course & 3 & C & \multirow[t]{3}{*}{- Core and elective courses for each emphasis are shown at the bottom of the major map.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-A 87-93 Credit Hours Necessary course signified by & Hours & Minimum Grade & \multirow[t]{4}{*}{\begin{tabular}{l}
Notes \\
- Core and elective courses for each emphasis are shown at the bottom of the major map.
\end{tabular}} \\
\hline Emphasis Core Course & 3 & C & \\
\hline 5 Upper Division Emphasis Elective Course & 3 & C & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 8-B 93-99 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline CRD 401: Managing Leisure Enterprises & 3 & C & \\
\hline Upper Division Elective OR Upper Division Emphasis Elective & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 9-A 99-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Emphasis Elective Course & 3 & C & \multirow[b]{3}{*}{\begin{tabular}{l}
- Core and elective courses for each emphasis are shown at the bottom of the major map. \\
- Use Handshake to research employment and internship opportunities
\end{tabular}} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 9-B 105-108 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Elective OR Upper Division Emphasis Elective & \multicolumn{2}{|r|}{3 C} & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{3} & \\
\hline Term 10-A 108-114 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \% CRD 403: Leadership and Professional Development & 3 & C & \\
\hline CRD 402: Assessment and Evaluation of Community Services & 3 & C & \\
\hline Term hours subtotal: & \multicolumn{2}{|l|}{6} & \\
\hline Term 10-B 114-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
PRM 484: Internship or TDM 484: Internship or CSM 484: Internship \\
OR CRD 435: Service Learning for Community Development AND \\
Emphasis Elective
\end{tabular}} & \\
\hline Term hours subtota & 6 & & \\
\hline
\end{tabular}
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of TDM/PRM/CSM 484 or CRD 435 will satisfy the SBL requirement.


Interdisciplinary Requirement-Area 3
SWU 171: Introduction to Social Work (SB \& H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)

SWU 250: Stress Management Tools I (SB)

Sport Emphasis Core Courses (grade of "C" required)

CSM 201: Introduction to Community Sports

CSM 483: Sports Tourism
CSM 485: Sports Events

Sport Emphasis Elective Courses (choose 3 courses; grade of "C" required)

PRM 364: Foundations of Recreation Therapy (SB)

PRM 487: Advanced Special Events Management

PRM 488: Event Marketing and Promotion
TDM 458: International Tourism (G)
TDM 475: Entrepreneurial Recreation and Tourism

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Urban and Metropolitan Studies, BA}

School/College: College of Public Service and Community Solutions
Location: Downtown Phoenix campus
PPURBBA
\begin{tabular}{|c|c|c|}
\hline Term 10-17 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline ASU 101-CPP: The ASU Experience & 1 & \\
\hline Interdisciplinary Requirement & 3 & \\
\hline Social-Behavioral Sciences (SB) & 3 & \\
\hline Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR URB Elective & 4 & \\
\hline Elective & 3 & \\
\hline Milestone: Meet with an academic advisor & & \\
\hline Term hours subtotal & 17 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- ASU 101 is for ASU freshman students only and is not required for transfer students
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 17-33 Credit Hours Critical course signified by 9 & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior \\
\hline Interdisciplinary Requirement & 3 & & credit earned. \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & - Network in your career interest area \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR URB Elective & 4 & & \\
\hline \multicolumn{4}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 33-49 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline (1) URB 220: Introduction to Urban America & 3 & C & \multirow[t]{3}{*}{- Develop your skills} \\
\hline MAT 142: College Mathematics (MA) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline Second Language: Requirement satisfied through the following: & \multicolumn{2}{|l|}{\multirow{3}{*}{4}} & \\
\hline Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR & & & \\
\hline URB Elective & & & \\
\hline Elective & 3 & & \\
\hline
\end{tabular}

Complete Mathematics (MA) requirement.

\begin{tabular}{|c|c|c|}
\hline Upper Division Elective & & 3 \\
\hline & Term hours subtotal: & 12 \\
\hline
\end{tabular}
- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups. For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of URB 484 will satisfy the SBL Requirement.
\begin{tabular}{l} 
Hide Course List(s)/Track Group(s) \\
Interdisciplinary Requirement-Area 1 \\
SWU 171: Introduction to Social Work (SB \& \\
H) \\
SWU 180: Introduction to Lesbian, Gay, \\
Bisexual and Transgender (LGBT) Studies \\
(SB \& C) \\
SWU 181: Economics: A Social Issues \\
Perspective \\
SWU 182: Social Services Perspective of \\
Government (SB) \\
SWU 183: Introductory Ethics: A Social \\
Issues Perspectives (HU) \\
SWU 250: Stress Management Tools I (SB) \\
SWU 456: Immigrants and Refugees (C) \\
SWU 458: Behavioral Health Services \\
SWU 459: Spirituality and the Helping \\
Professions \\
SWU 460: Legal Issues in Social Work \\
Transgender, and Queer Issues (C) \\
\hline
\end{tabular}

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Urban and Metropolitan Studies, BS}

School/College: College of Public Service and Community Solutions.
Location: Downtown Phoenix campus
PPURBBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
\hline ASU 101-CPP: The ASU Experience & 1 & & score determines placement in \\
\hline Interdisciplinary Requirement & 3 & & mathematics course \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & - ASU 101 or college-specific equivalent \\
\hline Social-Behavioral Sciences (SB) & 3 & & freshman students \\
\hline Elective & 3 & & - ASU 101 is for ASU freshman students \\
\hline Milestone: Meet with an academic advisor & & & only and is not required for transfer \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 2 16-32 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year Composition \\
OR ENG 105: Advanced First-Year Composition OR ENG 107: \\
First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Network in your career interest area \\
\hline MAT 142: College Mathematics (MA) & 3 & & \\
\hline Interdisciplinary Requirement & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 32-48 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline URB 220: Introduction to Urban America & 3 & C & - Develop your skills \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Social-Behavioral Sciences (SB) & 3 & & \\
\hline Complete 2 courses: Elective & 6 & & \\
\hline 4 Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 448-63 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade & Notes \\
\hline 1. URB 240: Urban Policy (C) & 3 & C & - Explore an internship \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Literacy and Critical Inquiry (L) & 3 & & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective
\end{tabular} & \multicolumn{2}{|l|}{6} & \\
\hline Academic Catalog Arc & hive 2018 & 019 & 3963 \\
\hline
\end{tabular}

Minimum 2.00 GPA ASU Cumulative.

- For the Interdisciplinary Requirement:
- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

For the Solution-Based Learning (SBL) College Requirement:
- Students must complete one SBL course by degree completion.
- Successful completion of URB 484 will satisfy the SBL Requirement.
\begin{tabular}{|c|c|c|}
\hline Hide Course List(s)/Track Group(s) & & \\
\hline Interdisciplinary Requirement-Area 1 & Interdisciplinary Requirement-Area 2 & Interdisciplinary Requirement-Area 3 \\
\hline CRJ 100: Introduction to Criminal Justice (SB) & NLM 160: Voluntary Action and Community Leadership (SB) & SWU 171: Introduction to Social Work (SB \& H) \\
\hline CRJ 203: Courts and Sentencing & \multirow[t]{2}{*}{PRM 120: Leisure and the Quality of Life (SB)} & \multirow[t]{2}{*}{SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB \& C)} \\
\hline CRJ 204: Juvenile Justice & & \\
\hline CRJ 225: Introduction to Criminology (SB) & PRM 364: Foundations of Recreation Therapy (SB) & \multirow[b]{2}{*}{SWU 181: Economics: A Social Issues Perspective} \\
\hline CRJ 260: Substantive Criminal Law & \multirow[t]{2}{*}{PRM 380: Wilderness and Parks in America
\[
(\mathrm{SB} \& \mathrm{H})
\]} & \\
\hline CRJ 270: Community Justice (SB) & & SWU 182: Social Services Perspective of Government (SB) \\
\hline CRJ 461: Domestic Violence & TDM 205: Introduction to Travel and Tourism (G) & \multirow[b]{2}{*}{SWU 183: Introductory Ethics: A Social Issues Perspectives (HU)} \\
\hline \multirow[t]{7}{*}{CRJ 462: Gangs} & \multirow[t]{2}{*}{TDM 458: International Tourism (G)} & \\
\hline & & SWU 250: Stress Management Tools I (SB) \\
\hline & & SWU 456: Immigrants and Refugees (C) \\
\hline & & SWU 458: Behavioral Health Services \\
\hline & & SWU 459: Spirituality and the Helping Professions \\
\hline & & SWU 460: Legal Issues in Social Work \\
\hline & & SWU 461: Lesbian, Gay, Bisexual, Transgender, and Queer Issues (C) \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: School of Sustainability
Location: Polytechnic campus, Tempe campus
SUSUSTBA
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA) & 3 & C \\
\hline SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability & 1 & C \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline SOS 111: Sustainable Cities ((HU or SB) \& G) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} \\
\hline 4. Minimum 3.00 GPA in SOS. & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{4}\). & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Join a student club or professional organization. \\
\hline SOS 110: Sustainable World (SB) & 3 & C & \\
\hline STP 226: Elements of Statistics (CS) & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline 4. Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline ¢. Complete SOS 110 AND SOS 111 course(s). & & & \\
\hline 4. Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline 4. Minimum 3.00 GPA in SOS. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 3 30-46 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SOS 220: Systems Thinking & 3 & C \\
\hline SOS 232: Professional Skills in Sustainability Practice & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline Literacy and Critical Inquiry (L) & 3 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- SOS 191 or college-specific equivalent First-Year Seminar required of all freshman students.
- SOS 201 required of all Sustainability transfer students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.
- Join a student club or professional organization.

\begin{tabular}{|c|c|c|}
\hline Related Discipline Elective & 3 & C \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & \\
\hline Elective & 3 & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Minimum 3.00 GPA in SOS. & & \\
\hline Term hours subtotal: & 16 & \\
\hline Term 792-108 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline SOS 484: Capstone: Internship & 4 & B- \\
\hline Upper Division Track Elective Course & 3 & C \\
\hline Upper Division Related Discipline Elective & 3 & C \\
\hline Upper Division Elective & 3 & \\
\hline Elective & 3 & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Minimum 3.00 GPA in SOS. & & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
- See track/group notes below for track elective details.
- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.
- Begin exploring internship opportunities and meet with the School of Sustainability Internship and Experiential Education Specialist to discuss your interests.
- See track/group notes below for upper division track elective details.
- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.
- Meet with the School of Sustainability career advisor to discuss and refine your career search process.
Term 8 108-120 Credit Hours Necessary course signified by Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}\(\quad\) Notes
- BA Students must select one of the following challenge area tracks:
- Society \& Sustainability (SOS 320)
- Policy and Governance in Sustainable Systems (SOS 321)
- International Development and Sustainability (SOS 322)
- Sustainable Urban Dynamics (SOS 323 or SOS 465)
- Students must declare a track by the end of Term 4
- Students must complete the one required course for their chosen track.
- Students must also complete any additional three track courses for a total of 12 credit hours of track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
- Students must complete two track elective courses from their chosen track. At least one track elective course must be upper division.

Example: If the Society and Sustainability Track is chosen, students must complete SOS 320 and any three additional track courses by the end of Term 5 .

More information on BA Tracks can be found here.

Hide Course List(s)/Track Group(s)
International Development and Sustainability
Track

\section*{Required Course:}

SOS 322: International Development and Sustainability

Electives:
AFR 340: The Making of Modern Africa (SB \& G \& H)

ALT 412: Village Energy Systems
ASB 100: Introduction to Global Health (SB
\& G) or SSH 100: Introduction to Global Health (SB \& G)

FIS 337: Innovation and Global Development (G)

GCU 364: Energy in the Global Arena (SB \& G)

GPH 314: Global Change (HU \& G)

JUS 325: Globalization and Socio-Economic Justice (SB \& G) or SGS 325: Globalization and Socio-Economic Justice (SB \& G)

JUS 352: The Global Politics of Human Rights (SB \& G)

POS 160: Global Politics (SB \& G)
POS 368: Ethics and Human Rights
POS 486: International Political Economy (SB \& G)

SBS 480: Global Justice (G)
SGS 301: Principles of Global Studies
SGS 303: Global Trends (SB)
SOC 333: Population (SB \& G)
SOS 447: Gender, Culture, and Development ((L or SB) \& G)

SSH 305: Poverty and Global Health ((L or SB) \& G)

STS 330: Information Technology and

Globalization (SB \& G)

STS 332: Global Issues in Science and Technology (SB)

Policy and Governance in Sustainable Systems Track

Required Course:
SOS 321: Policy and Governance in Sustainable Systems

Electives:
ABS 381: Natural Resources Policy
ASB 328: Rules, Games, and Society (L)
BIO 412: Conservation in Practice
ECN 441: Public Economics (SB)
GCU 361: Urban Geography (SB)
GPH 314: Global Change (HU \& G)
HST 345: Environmental History (L)

PAF 300: Public Management and Administration

PAF 340: Contemporary Policy Challenges

PHI 407: Environmental Philosophy and Policy (L or HU)

POS 160: Global Politics (SB \& G)
POS 300: Contemporary Global Controversies (SB \& G)

POS 346: Problems of Democracy (HU)
POS 351: Democratization (SB \& G)
POS 364: National Security, Intelligence, and Terrorism (SB)

POS 368: Ethics and Human Rights
POS 410: Governing American Cities (SB)
PUP 301: Introduction to Urban Planning (L)
PUP 430: Transportation Planning and the Environment

STS 325: Science, Technology, and Public Policy (SB)

Society and Sustainability Track

\section*{Required Course:}

SOS 320: Society and Sustainability (L or SB)

Electives:

ASB 202: Immigration and Ethnic Relations in the U.S. (SB \& C)

ASB 211: Women in Other Cultures ((HU or SB) \& G)

ASB 311: Principles of Social Anthropology (SB \& G \& H)

ASB 326: Human Impacts on Ancient Environments (SB \& H)

ASB 344: Technology and Society (L or SB)
ASB 417: Political Anthropology (L)
ASB 430: Social Simulation (CS)
ENG 367: Environmental Issues in Literature and Film (L or HU)

FIS 111: Welcome to the Future
FIS 334: Science, Technology and Inequality (C)

GCU 350: The Geography of World Crises (SB \& G)

GCU 351: Population Geography (SB \& G)
GCU 357: Social Geography (SB)
GCU 441: Economic Geography (SB)
GCU 442: Geographical Analysis of Transportation (SB)

GPH 210: Society and Environment (G)
JUS 320: Community and Social Justice (SB \& C)

JUS 321: Wealth Distribution and Poverty (SB \& C)

JUS 405: Inequality, Economy and Justice ((L or SB) \& G)

JUS 430: Social Protest, Conflict, and Change ((L or SB) \& C)

JUS 444: Environment and Justice (L \& C)

TEM 450: Design for the Developing World

TEM 455: Global Impact Entrepreneurship
WST 378: Global Feminist Theory (L \& G)

Sustainable Urban Dynamics Track

Required Course:
SOS 323: Sustainable Urban Dynamics or SOS 465: Sustainable Urbanism

Electives:

ABS 260: Fundamentals of Sustainable Horticulture (SG) ABS 364: Urban Forestry

ALA 100: Introduction to Environmental Design (HU \& H \& G)

ASB 442: Global Cities (SB \& G) or SBS 460: Global Cities (SB \& G)

CHE 469: Air Quality Engineering GCU 359: Cities of the World I (SB \& G \& H) GCU 360: Cities of the World II (SB \& G)

NLM 301: Sustainable Communities or TDM
301: Sustainable Communities or PRM 301:
Sustainable Communities

PSY 306: Environmental Psychology (SB)
PSY 350: Social Psychology (SB)
SOC 270: Racial and Ethnic Relations (SB \& C)

SOC 331: Environmental Sociology (SB \& G)
SOC 332: The Modern City (G)
SOC 334: Technology and Society (L or SB)
SOC 352: Social Change (SB \& G \& H)
SOS 370: Ethics of Eating (L or SB) or ASB 370: Ethics of Eating (L or SB) or SOC 370: Ethics of Eating (L or SB)

SOS 309: History and Philosophy of Sustainability or HST 308: History and
Philosophy of Sustainability or PHI 322:
History and Philosophy of Sustainability
SOS 447: Gender, Culture, and Development ((L or SB) \& G)

SOS 467: Art and Ecology
WST 375: Women and Social Change (SB \& C)

WST 380: Race, Gender, and Class (SB \& C)
WST 457: Women, Cultures, and Societies (SB \& G)

GCU 361: Urban Geography (SB)
GCU 425: Geography of the Mexican
American Borderland ((L or SB) \& G)
GCU 442: Geographical Analysis of
Transportation (SB)
POS 410: Governing American Cities (SB)
POS 464: Border Cities: Action Research on
Globalization (SB \& G)
PUP 200: Cities in Cinema (HU \& H \& G)
PUP 301: Introduction to Urban Planning (L)
PUP 430: Transportation Planning and the
Environment
SOS 414: Urban and Environmental Health
(SB) or ASM 414: Urban and Environmental
Health (SB) or SSH 414: Urban and
Environmental Health (SB)
STS 325: Science, Technology, and Public
Policy (SB)
URB 220: Introduction to Urban America
URB 305: Urban Governance
URB 240: Urban Policy (C)
URB 301: Urban Research
URB 300: Urban and Metropolitan Studies
URB 302: Urban Theory
Un

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Supply Chain Management, BS
School/College: W. P. Carey School of Business
Location: Tempe campus
BASCMBS
and
Sustainability,
BA
School of Sustainability
SUSUSTBA

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In order to complete this concurrent degree in 4 years, you must take courses during the summer. This may impact your financial aid. Financial aid is available to those who apply and qualify, and students may receive funds to help cover costs for each semester of enrollment. The amount of financial aid that a student is eligible for varies depending on prior education experience and other individual factors. Learn more about summer financial aid and additional ways to cover summer costs.
\begin{tabular}{|c|c|c|c|}
\hline Term 10-17 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ASU 101-SOS: The ASU Experience OR WPC 101: Student
1. Success in Business OR SOS 201: Introduction to ASU and Sustainability
\begin{tabular}{|c|c|c|}
\hline IS 105: Computer Applications and Information Technology (CS) & 3 & C \\
\hline MAT 210: Brief Calculus (MA) & 3 & C \\
\hline SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) \& G) & 3 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline
\end{tabular}
4. Minimum 2.50 GPA ASU Cumulative.

Minimum 3.00 GPA in SOS courses.
Term hours subtotal
17
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students. ASU 101-SOS or WPC 101 meets this requirement.
- SOS 201 required of all Sustainability transfer students
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam. CLEP and AP credit are also viable options for fulfilling the second language requirement
- A score of 4 or 5 on the AP Environmental Science exam fulfills the SOS 110 course requirement
\begin{tabular}{|c|c|c|c|}
\hline Term 2 17-33 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline 4 (1) MAT 211: Mathematics for Business Analysis & 3 & C & - Join a student club or organization \\
\hline SOS 110: Sustainable World (SB) OR SOS 111: Sustainable Cities ((HU or SB) \& G) & 3 & C & - Create your first college resume \\
\hline ECN 211: Macroeconomic Principles (SB) & 3 & C & \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline
\end{tabular}

\section*{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).}

Minimum 2.50 GPA ASU Cumulative.
Minimum 3.00 GPA in SOS courses.
\begin{tabular}{|c|c|c|c|}
\hline Summer 2 Session 1 33-40 Credit Hours & Hours & Minimum Grade & Notes \\
\hline PSY 101: Introduction to Psychology (SB) & 3 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Summer 2 Session 2 40-43 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ECN 212: Microeconomic Principles (SB) & 3 & C & \\
\hline Term hours subtotal: & 3 & & \\
\hline Term 3-59 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline 4 ACC 231: Uses of Accounting Information I & 3 & C & - Explore career resources \\
\hline 4 ECN 221: Business Statistics (CS) & 3 & C & \\
\hline SOS 220: Systems Thinking & 3 & C & \\
\hline SOS 232: Professional Skills in Sustainability Practice & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline
\end{tabular}

4. Complete ECN 211 AND ECN 212.
(1. Minimum 2.50 GPA ASU Cumulative.
(1.) Minimum 3.00 GPA in SOS coursen.

\[
\text { Term hours subtotal: } \quad 16
\]
\begin{tabular}{|c|c|c|}
\hline Term 459-76 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline (1) ACC 241: Uses of Accounting Information II & 3 & C \\
\hline 1. SCM 300: Global Supply Operations & 3 & C \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: \\
Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism
\end{tabular} & 6 & C \\
\hline SOS 231: Careers in Sustainability & 1 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C \\
\hline \multicolumn{3}{|l|}{4. Complete SOS 220 AND SOS 230 course(s).} \\
\hline \multicolumn{3}{|l|}{4. Milestone: Select a Sustainability track} \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} \\
\hline 1. Minimum 3.00 GPA in SOS courses. & & \\
\hline
\end{tabular}

Term hours subtotal: 17
\begin{tabular}{|c|c|c|c|}
\hline Summer 4 Session 176 - 83 Credit Hours & Hours & Minimum Grade & Notes \\
\hline WPC 300: Problem Solving and Actionable Analytics & 3 & C & \\
\hline Natural Science - General (SG) or Natural Science - Quantitative (SQ) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Summer 4 Session 2 83-86 Credit Hours & Hours & Minimum Grade & Notes \\
\hline ENG 302: Business Writing (L) & 3 & & \\
\hline Term hours subtotal: & 3 & & \\
\hline Term 586-104 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline § SCM 315: Business Decision Models & 3 & C & - Attend Career Fairs \\
\hline SCM 345: Logistics Management & 3 & C & - Apply for internships or create one \\
\hline MGT 300: Organization and Management Leadership & 3 & C & ws \\
\hline SOS 311: Future Thinking and Strategies & 3 & C & \\
\hline SOS 320: Society and Sustainability (L or SB) & 3 & C & \\
\hline Upper Division International Development and Sustainability Track Required Course OR Upper Division Policy and Governance in Sustainable Systems Track - Required Course OR Upper Division Sustainable Urban Dynamics Track - Required Course & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Minimum 3.00 GPA in SOS courses. & & & \\
\hline Term hours subtotal: & 18 & & \\
\hline Term 6104-122 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SCM 355: Supply Management (L) & 3 & C & \\
\hline \begin{tabular}{l}
SCM 432: Planning and Control Systems for Supply Chain \\
Management
\end{tabular} & 3 & C & \\
\hline SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Course & 3 & C & \\
\hline \begin{tabular}{l}
International Development and Sustainability Track - Elective OR \\
Policy and Governance in Sustainable Systems Track - Elective OR Sustainable Urban Dynamics Track - Elective
\end{tabular} & 3 & C & \\
\hline FIN 300: Fundamentals of Finance & 3 & C & \\
\hline SOS 310: Equity, Justice and Sustainability & 3 & C & \\
\hline
\end{tabular}
\(\leadsto\) Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s)

\section*{Minimum 2.50 GPA ASU Cumulative.}

Minimum 3.00 GPA in SOS courses.
Term hours subtotal: 18
\(\begin{array}{l}\text { Term } 7 \text { 122-138 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

- Tracks available for the concurrent degree in Supply Chain Management and the BA in Sustainability:
- Policy and Governance in Sustainable Systems
- International Development and Sustainability
- Sustainable Urban Dynamics

Students may choose any of the upper division challenge area/track courses, but MUST complete at least the course that corresponds with the track they have chosen (e.g., if the Policy and Governance in Sustainable Systems track is chosen, students should choose SOS 321 and three other challenge area/track courses).
Hide Course List(s)/Track Group(s)
Upper Division International Business Course-
select one course (3 credit hours) \begin{tabular}{l} 
International Development and Sustainability \\
Track
\end{tabular}\(\quad\)\begin{tabular}{l} 
Policy and Governance in Sustainable Systems \\
Track
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline & \begin{tabular}{l}
GCU 364: Energy in the Global Arena (SB \& \\
G)
\end{tabular} & PAF 300: Public Management and Administration \\
\hline & GPH 314: Global Change (HU \& G) & PAF 340: Contemporary Policy Challenges \\
\hline & JUS 325: Globalization and Socio-Economic Justice (SB \& G) or SGS 325: Globalization and Socio-Economic Justice (SB \& G) & PHI 407: Environmental Philosophy and Policy (L or HU) \\
\hline & JUS 352: The Global Politics of Human & POS 160: Global Politics (SB \& G) \\
\hline & Rights (SB \& G) & POS 300: Contemporary Global Controversies \\
\hline & POS 160: Global Politics (SB \& G) & (SB \& G) \\
\hline & POS 368: Ethics and Human Rights & POS 346: Problems of Democracy (HU) \\
\hline & POS 486: International Political Economy (SB & POS 351: Democratization (SB \& G) \\
\hline & \& G) & POS 364: National Security, Intelligence, and \\
\hline & SBS 480: Global Justice (G) & Terrorism (SB) \\
\hline & SGS 301: Principles of Global Studies & POS 368: Ethics and Human Rights \\
\hline & SGS 303: Global Trends (SB) & POS 410: Governing American Cities (SB) \\
\hline & SOC 333: Population (SB \& G) & PUP 301: Introduction to Urban Planning (L) \\
\hline & SSH 305: Poverty and Global Health ((L or SB) \& G) & PUP 430: Transportation Planning and the Environment \\
\hline & STS 330: Information Technology and Globalization (SB \& G) & STS 325: Science, Technology, and Public Policy (SB) \\
\hline & STS 332: Global Issues in Science and Technology (SB) & \\
\hline & TEM 450: Design for the Developing World & \\
\hline & TEM 455: Global Impact Entrepreneurship & \\
\hline & WST 378: Global Feminist Theory (L \& G) & \\
\hline Sustainable Urban Dynamics Track & & \\
\hline Required Course: & & \\
\hline SOS 323: Sustainable Urban Dynamics or SOS 465: Sustainable Urbanism & & \\
\hline Electives: & & \\
\hline ABS 260: Fundamentals of Sustainable Horticulture (SG) & & \\
\hline ABS 364: Urban Forestry & & \\
\hline ALA 100: Introduction to Environmental Design (HU \& H \& G) & & \\
\hline ASB 442: Global Cities (SB \& G) or SBS 460: Global Cities (SB \& G) & & \\
\hline CHE 469: Air Quality Engineering & & \\
\hline GCU 359: Cities of the World I (SB \& G \& H) & & \\
\hline GCU 360: Cities of the World II (SB \& G) & & \\
\hline
\end{tabular}
\begin{tabular}{|c|}
\hline GCU 361: Urban Geography (SB) \\
\hline GCU 425: Geography of the Mexican American Borderland ((L or SB) \& G) \\
\hline GCU 442: Geographical Analysis of Transportation (SB) \\
\hline POS 410: Governing American Cities (SB) \\
\hline POS 464: Border Cities: Action Research on Globalization (SB \& G) \\
\hline PUP 200: Cities in Cinema (HU \& H \& G) \\
\hline PUP 301: Introduction to Urban Planning (L) \\
\hline PUP 430: Transportation Planning and the Environment \\
\hline SBS 450: Migration \& Culture (SB \& G) \\
\hline \begin{tabular}{l}
SOS 414: Urban and Environmental Health \\
(SB) or ASM 414: Urban and Environmental \\
Health (SB) or SSH 414: Urban and \\
Environmental Health (SB)
\end{tabular} \\
\hline STS 325: Science, Technology, and Public Policy (SB) \\
\hline URB 220: Introduction to Urban America \\
\hline URB 240: Urban Policy (C) \\
\hline URB 300: Urban and Metropolitan Studies \\
\hline URB 301: Urban Research \\
\hline URB 302: Urban Theory \\
\hline URB 305: Urban Governance \\
\hline
\end{tabular}

\section*{Total Hours: 153}

Upper Division Hours: 50 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Sustainability, BA
School/College: School of Sustainability.
Location: Online
SUSUSTBA

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Term 1-A A-7 Credit Hours Critical course signified by \(\uparrow \quad\) Hours \(\underset{\substack{\text { Minimum } \\ \text { Grade }}}{ }\) Notes
\begin{tabular}{|c|c|c|}
\hline SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability & 1 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline SOS 111: Sustainable Cities ((HU or SB) \& G) & 3 & C \\
\hline Term hours subtotal: & 7 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses
- SOS 191 or college-specific equivalent First-Year Seminar required of all freshman students
- SOS 201 required of all Sustainability transfer students
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-16 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Mathematics Placement Assessment score determines placement in mathematics course \\
\hline SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA) & 3 & C & - View ASU Online first-time freshmen registration information here. \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline 4. Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline (1) Minimum 3.00 GPA in SOS. & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 2-A 16-23 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline SOS 110: Sustainable World (SB) & 3 & C & \multirow[t]{2}{*}{- Create a first draft resume.} \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline
\end{tabular}

Term hours subtotal:
7
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 23-30 Credit Hours Critical course signified by \({ }^{\text {+ }}\) & Hours & Minimum Grade & Notes \\
\hline ¢. SOS 220: Systems Thinking & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline \multicolumn{3}{|l|}{1 Complete SOS 110 AND SOS 111 course(s).} & \\
\hline \multicolumn{3}{|l|}{(1) Minimum 2.50 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{4. Minimum 3.00 GPA in SOS.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \\
\hline Term 3-A 30-37 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202
or equivalent), including American Sign Language IV.

\section*{Term hours subtotal:}
\(4 \quad\) C

All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.
- Develop your skills.
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 37-44 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline STP 226: Elements of Statistics (CS) & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{4}{|l|}{(.) Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multicolumn{4}{|l|}{4. Minimum 3.00 GPA in SOS.} \\
\hline \multicolumn{4}{|l|}{Complete Mathematics (MA) requirement.} \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 44-51 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism & 3 & C & - See track/group notes below for Challenge Area/Track requirement details \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-B 51-58 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326: Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism & 3 & C & - See track/group notes below for Challenge Area/Track requirement details \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline \multicolumn{4}{|l|}{4 Milestone: Select a track.} \\
\hline \multicolumn{4}{|l|}{Minimum 3.00 GPA in SOS.} \\
\hline \multicolumn{4}{|l|}{Term hours subtotal:} \\
\hline Term 5-A 58-65 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline SOS 231: Careers in Sustainability & 1 & C & \\
\hline
\end{tabular}
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and
Governance in Sustainable Systems OR SOS 322: International
Development and Sustainability OR SOS 323: Sustainable Urban
Dynamics OR SOS 324: Sustainable Energy Technology and Systems
OR SOS 325: The Economics of Sustainability OR SOS 326:
Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR
\begin{tabular}{|c|c|c|c|}
\hline Term 6-B 80-89 Credit Hours Necessary course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline Track Elective Course & 3 & C & \multirow[b]{3}{*}{- See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.} \\
\hline Related Discipline Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \multirow[t]{2}{*}{- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's} \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{§ Minimum 3.00 GPA in SOS.} & Sustainability education. See advisor for approval. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 7-A 89-98 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Upper Division Track Elective Course & 3 & C & \multirow[b]{4}{*}{\begin{tabular}{l}
- See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list. \\
- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's
\end{tabular}} \\
\hline Upper Division Related Discipline Elective & 3 & C & \\
\hline Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}

Sustainability education. See advisor for approval.
\begin{tabular}{|c|c|c|c|}
\hline Term 7-B 98-107 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SOS 498: Pro-Seminar (L) & 3 & B- & \multirow{6}{*}{- Schedule an appointment with the School of Sustainability Career Advisor to discuss and refine your career search process.} \\
\hline Upper Division Related Discipline Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Minimum 3.00 GPA in SOS. & & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 8-A 107-114 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SOS 484: Capstone: Internship & 4 & B- & \multirow[t]{3}{*}{- All students must complete 12 hours of approved Related Discipline courses. A Related Discipline is a concentration outside of Sustainability that augments the student's Sustainability education. See advisor for approval.} \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 8-B 114-120 Credit Hours Necessary course signified by & Hours & \[
\begin{array}{c|c}
\text { Minimum } \\
\text { Grade } \\
\hline
\end{array}
\] & Notes \\
\hline SOS Upper Division Elective & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline \(\hat{\sim}\) Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Minimum 3.00 GPA in SOS. & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline
\end{tabular}
- BA Students must select one of the following challenge area tracks: Society \& Sustainability (SOS 320)
Policy and Governance in Sustainable Systems (SOS 321)
International Development and Sustainability (SOS 322)
Sustainable Urban Dynamics (SOS 323 or SOS 465)
- Students must declare a track by the end of Term 4
- Students must complete the one required track course for their chosen track.
- Students must also complete any additional three track courses for a total of four (12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
- Students must complete two track elective courses from their chosen track. At least one track elective course must be upper division.

Example: If the Society and Sustainability Track is chosen, students must complete SOS 320 and any three additional track courses by the end of Term 5 .

More information on BA Tracks can be found here.


Policy and Governance in Sustainable Systems Track

Required Course:
SOS 321: Policy and Governance in Sustainable Systems

Electives:
GCU 361: Urban Geography (SB)
GPH 314: Global Change (HU \& G)
PAF 300: Public Management and Administration

PAF 340: Contemporary Policy Challenges
POS 160: Global Politics (SB \& G)
POS 300: Contemporary Global Controversies (SB \& G)

POS 351: Democratization (SB \& G)

POS 368: Ethics and Human Rights
PUP 301: Introduction to Urban Planning (L)
PUP 430: Transportation Planning and the Environment

Required Course:
SOS 320: Society and Sustainability (L or SB)

Electives:
ENG 367: Environmental Issues in Literature and Film (L or HU)

GCU 350: The Geography of World Crises (SB \& G)

GCU 351: Population Geography (SB \& G)
GCU 442: Geographical Analysis of Transportation (SB)

GPH 210: Society and Environment (G)
PSY 350: Social Psychology (SB)
SOC 270: Racial and Ethnic Relations (SB \& C)

SOC 332: The Modern City (G)
SOC 334: Technology and Society (L or SB)
SOC 352: Social Change (SB \& G \& H)
WST 380: Race, Gender, and Class (SB \& C)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.0 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Sustainability, BS}

School/College: School of Sustainability
Location: Polytechnic campus, Tempe campus
SUSUSTBS
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(9)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
1. SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)

SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability

3 C

1 C

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
SOS 111: Sustainable Cities ((HU or SB) \& G)
Second Language: Requirement satisfied through the following:
* Completion of language course(s) at the 102 level.

4

Minimum 2.50 GPA ASU Cumulative.
Minimum 3.00 GPA in SOS.
Term hours subtotal:
14
- An SAT, ACT, Accuplacer, IELTS or TOEFL score determines placement into first-year composition courses.
- Mathematics Placement Assessment score determines placement in mathematics course.
- SOS 191 or college-specific equivalent First-Year Seminar required of all freshman students.
- SOS 201 required of all Sustainability transfer students.
- ASU Language Placement: Only true beginners are eligible for 101-level courses All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.
\begin{tabular}{|c|c|c|}
\hline Term 2 14-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline SOS 110: Sustainable World (SB) & 3 & C \\
\hline SOS 211: Calculus and Probability for the Life and Social Sciences (MA) & 3 & C \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of language course(s) at the 102 level.
\end{tabular} & 4 & C \\
\hline Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) & 3 & \\
\hline \multicolumn{3}{|l|}{4 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} \\
\hline \multicolumn{3}{|l|}{4 (1) Complete SOS 110 AND SOS 111 course(s).} \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multicolumn{3}{|l|}{4. Minimum 3.00 GPA in SOS.} \\
\hline Term hours subtotal: & 16 & \\
\hline Term 3 30-46 Credit Hours Critical course signified by \({ }^{( }\) & Hours & Minimum Grade \\
\hline 4. SOS 220: Systems Thinking & 3 & C \\
\hline SOS 212: Calculus-Based Modeling for the Life and Social Sciences & 3 & C \\
\hline SOS 232: Professional Skills in Sustainability Practice & 3 & C \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & \\
\hline
\end{tabular}
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.
- Join a student club or professional organization.


Complete 2 courses:
SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban
Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326:
Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism
\begin{tabular}{|c|c|c|}
\hline SOS 311: Future Thinking and Strategies & 3 & C \\
\hline Related Discipline Elective & 3 & C \\
\hline Elective & 3 & \\
\hline
\end{tabular}

Minimum 2.50 GPA ASU Cumulative.
Minimum 3.00 GPA in SOS.
Term hours subtotal:
15
\(\begin{array}{l}\text { Term 6 78-93 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

- - BS Students must select one of the following challenge area tracks:
- Energy, Materials, and Technology (SOS 324)
- Economics of Sustainability (SOS 325)
- Sustainable Ecosystems (SOS 326)
- Students must declare a track by the end of Term 4
- Students must complete the one required track course for their chosen track.
- Students must also complete any additional three track courses for a total of four ( 12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
- Students must complete two track elective courses from their chosen track. At least one track elective must be upper division.
Example: If the Economics of Sustainability Track is chosen, students must complete SOS 325 and any three additional track courses by the end of Term 5.

More information on BS Tracks can be found here.

Hide Course List(s)/Track Group(s)


Sustainable Energy, Materials, and Technology Track

\section*{Required Course:}

SOS 324: Sustainable Energy Technology and Systems

\section*{Electives:}

ALA 100: Introduction to Environmental Design (HU \& H \& G)

ALA 102: Landscapes and Sustainability (HU \& G)

ALT 360: Renewable Energy Technologies: Fundamentals and Integration

\section*{ALT 435: Applied Photovoltaics}

APH 313: History of Architecture I ((L or HU) \& G \& H)

CEE 400: Earth Systems Engineering and Management ((L or HU) \& H)

CHM 107: Chemistry and Society (SQ)
CON 101: Construction and Culture: a Built Environment (HU \& H)

ERM 201: Environmental Management
ERM 203: Environmental Regulations
ERM 302: Water and Wastewater Treatment Technology

ERM 401: Hazardous Waste Management
ERM 426: Environmental Issues
ERM 428: International Environmental Management (G)

GCU 364: Energy in the Global Arena (SB \& G)

GPH 405: Energy and Environment
GPH 412: Physical Meteorology
HST 302: Energy Transitions and Sustainability ((HU or SB) \& G \& H)

IND 242: Materials and Design
SOS 181: Technological, Social, and Sustainable Systems (HU)

SOS 315: Energy Policy
SOS 435: U.S. Energy: Pathways to Sustainability
\begin{tabular}{|c|}
\hline CHM 302: Environmental Chemistry \\
\hline GPH 314: Global Change (HU \& G) \\
\hline MIC 220: Biology of Microorganisms \\
\hline PLB 300: Plant Diversity and Evolution (L or SG) \\
\hline PLB 302: Plants and Civilization \\
\hline PLB 310: The Flora of Arizona \\
\hline SOS 372: Earth Science in Arizona and the Southwest \\
\hline \begin{tabular}{l}
SOS 375: Humans and the Environment: \\
What's the Connection? ((L or SB) \& G)
\end{tabular} \\
\hline SOS 429: Human Impacts on Ecosystem Functioning \\
\hline SOS 433: Sustainable Water Use \\
\hline SOS 476: Climate Science for Sustainability \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Sustainability, BS}

School/College: School of Sustainability
Location: Online
SUSUSTBS
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SOS 191: Introduction to ASU and SOS for Freshmen OR SOS 201: Introduction to ASU and Sustainability & 1 & C \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C \\
\hline ENG 107 or ENG 108: First-Year Composition & & \\
\hline SOS 111: Sustainable Cities ((HU or SB) \& G) & 3 & C \\
\hline Term hours subtotal: & 7 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- SOS 191 or college-specific equivalent First-Year Seminar is required of all freshman students
- SOS 201 required of all Sustainability transfer students
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-13 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA) & 3 & C & - Mathematics Placement Assessment score determines placement in mathematics \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR \\
ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
course \\
- View ASU Online First Time Freshmen Registration Information here.
\end{tabular} \\
\hline \multicolumn{4}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multicolumn{4}{|l|}{4. Minimum 3.00 GPA in SOS.} \\
\hline Term hours subtotal: & 6 & & \\
\hline Term 2-A 13-22 Credit Hours & Hours & Minimum Grade & Notes \\
\hline SOS 110: Sustainable World (SB) & 3 & C & \multirow{2}{*}{- Create a first draft resume.} \\
\hline SOS 211: Calculus and Probability for the Life and Social Sciences (MA) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & \multicolumn{2}{|l|}{3} & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 2-B 22-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & & Notes \\
\hline \multicolumn{2}{|l|}{SOS 212: Calculus-Based Modeling for the Life and Social Sciences} & 3 & \\
\hline \multicolumn{2}{|l|}{Natural Science - Quantitative (SQ)} & 4 & \\
\hline \multicolumn{3}{|l|}{Complete ENG 101 OR ENG 105 OR ENG 107 course(s).} & \\
\hline \multicolumn{3}{|l|}{1.1 Complete SOS 110 AND SOS 111 course(s).} & \\
\hline \multicolumn{3}{|l|}{\%. Minimum 2.50 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{9. Minimum 3.00 GPA in SOS.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 7} & \\
\hline Term 3-A 29-36 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline SOS 220: Systems Thinking & \[
3
\] & C & Placement 01-level \\
\hline
\end{tabular}
Second Language: Requirement satisfied through the following:
* Completion of language course(s) at the 102 level.
Term hours subtotal:
students are required to take a placement or proficiency exam, regardless of prior credit earned. CLEP and AP credit are also viable options for fulfilling the second language requirement.
- Develop your skills.
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 36-43 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (1) SOS 232: Professional Skills in Sustainability Practice & 3 & C & \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of language course(s) at the 102 level.
\end{tabular} & 4 & C & \\
\hline 4. Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline 4. Minimum 3.00 GPA in SOS. & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 4-A 43-50 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

SOS 320: Society and Sustainability (L or SB) OR SOS 321: Policy and Governance in Sustainable Systems OR SOS 322: International Development and Sustainability OR SOS 323: Sustainable Urban Dynamics OR SOS 324: Sustainable Energy Technology and Systems OR SOS 325: The Economics of Sustainability OR SOS 326:
Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise OR SOS 465: Sustainable Urbanism

Natural Science - Quantitative (SQ) OR Natural Science - General (SG
Term hours subtotal:
- See track/group notes below for Challenge Area/Track requirement details

3
C
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Sustainable Ecosystems OR SOS 327: Sustainable Food and Farms OR SOS 328: Sustainability and Enterprise} & \multirow[t]{4}{*}{- Schedule an appointment with the School of Sustainability Career Advisor to review your resume.} \\
\hline \multicolumn{2}{|l|}{Upper Division Track Required Course} & 3 C & \\
\hline \multicolumn{2}{|l|}{Elective} & 3 & \\
\hline \multicolumn{2}{|l|}{Term hours subtotal:} & 9 & \\
\hline Term 5-B66-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SOS 310: Equity, Justice and Sustainability & 3 & C & \multirow{5}{*}{- See lists below for Track Elective options. See advisor to request approval of Track Electives not on the list.} \\
\hline Track Elective Course & 3 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline \multicolumn{3}{|l|}{M Minimum 2.50 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Minimum 3.00 GPA in SOS.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: \(\quad 9\)} & \\
\hline Term 6-A 75-84 Credit Hours & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

- BS Students must select one of the following challenge area tracks:
- Energy, Materials, and Technology (SOS 324)
- Economics of Sustainability (SOS 325)
- Sustainable Ecosystems (SOS 326)
- Students must declare a track by the end of Term 4
- Students must complete the one required track course for their chosen track.
- Students must also complete any additional three track courses for a total of four ( 12 credit hours) track courses. Select from SOS 320, SOS 321, SOS 322, SOS 323, SOS 324, SOS 325, SOS 326, SOS 327, SOS 328, or SOS 465.
- Students must complete two track elective courses from their chosen track. At least one track elective must be upper division.
Example: If the Economics of Sustainability Track is chosen, students must complete SOS 325 and any three additional track courses by the end of Term 5 .

More information on BS Tracks can be found here.

Hide Course List(s)/Track Group(s)
\begin{tabular}{l|l|l}
\hline Economics of Sustainability Track & Ecosystems Sustainability Track & \begin{tabular}{l} 
Sustainable Energy, Materials, and \\
Technology Track
\end{tabular} \\
\hline Required Course: & Required Course: & Required Course: \\
\hline SOS 325: The Economics of Sustainability & SOS 326: Sustainable Ecosystems & \begin{tabular}{l} 
SOS 324: Sustainable Energy Technology and \\
Systems
\end{tabular} \\
\hline Electives: & Electives: & BIO 181: General Biology I (SQ)
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline ECN 212: Microeconomic Principles (SB) & BIO 304: Plants and Civilization & \multirow[t]{2}{*}{ALA 100: Introduction to Environmental Design (HU \& H \& G)} \\
\hline \multirow[t]{2}{*}{ECN 306: Survey of International Economics
(SB \& G)} & GPH 314: Global Change (HU \& G) & \\
\hline & MIC 220: Biology of Microorganisms & CHM 107: Chemistry and Society (SQ) \\
\hline \multirow[t]{2}{*}{POS 486: International Political Economy (SB \& G)} & & \multirow[t]{2}{*}{HST 302: Energy Transitions and Sustainability ((HU or SB) \& G \& H)} \\
\hline & & \\
\hline & & SOS 315: Energy Policy \\
\hline & & SOS 494: Renewable Energy \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.0 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\author{
2018-2019 Major Map \\ Early Childhood and Early Childhood Special Education, BAE
}

School/College: Mary Lou Fulton Teachers College
Location: Tempe campus
TEECSEBAE
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) OR ECD 211: The Developing Child: Theory into Practice, Prenatal-Grade 3 (SB) OR ECD 220: Introduction to Nutrition, Health and Safety OR RDG 291: Children's Literature (HU) & 3 & C \\
\hline (4) TEL 101: Professional Educator Series: My Footprint & 1 & \\
\hline EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & C \\
\hline MAT 142: College Mathematics (MA) & 3 & C \\
\hline Elective & 1 & \\
\hline Term hours subtotal: & 14 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU.


Term 214-30 Credit Hours Critical course signified by 4. Hours Minimum

ENG 101 or ENG 102: First-Year Composition OR
\(\begin{array}{lll}\text { ENG 105: Advanced First-Year Composition OR } & 3 & \text { C } \\ \text { ENG } 107 \text { or ENG 108: First-Year Composition } & & \end{array}\)
SPE 222: Orientation to Education of Exceptional Children (SB \& C)

4OR ECD 211: The Developing Child: Theory into Practice,
Prenatal-Grade 3 (SB) OR ECD 220: Introduction to Nutrition, Health
2-3
C and Safety OR RDG 291: Children's Literature (HU)

TEL 102: Professional Educator Series: My Network Footprint 1 C
TEL 212: Understanding the Culturally Diverse Learner (C) 3
Tatural Science-Quantative (SQ)
Foreign Language Elective OR Art, Dance, Music, Theater, Film, or 3
Design Elective
3

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:
16-17
Term 3 30-47 Credit Hours Critical course signified by ! Mours Minimum MTE 280: Investigating Quantity: Number, Operations \& Numeration Systems

3
C
- Join a student club or professional organization.
- Please select an elective course from either the Foreign Language track list or the Art, Dance, Music, Theater, Film, or Design track list below.

SPE 222: Orientation to Education of Exceptional Children (SB \& C)
OR ECD 211: The Developing Child: Theory into Practice, Prenatal-Grade 3 (SB) OR ECD 220: Introduction to Nutrition, Health and Safety OR RDG 291: Children's Literature (HU)
\begin{tabular}{|c|c|c|}
\hline TEL 201: Professional Educator Series: My Community Footprint & 1 & C \\
\hline 4. USL 216: Service Learning: For Educators (L \& C) & 3 & C \\
\hline Lower Division Humanities, Arts and Design (HU) AND Global & 3 & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 676-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline I ECS 315: Classroom Organization and Child Guidance & 3 & C & \multirow[t]{8}{*}{\begin{tabular}{l}
- Complete an in person or virtual practice interview \\
- Please select an elective course from either the Foreign Language track list or the Art, Dance, Music, Theater, Film, or Design track list below.
\end{tabular}} \\
\hline ECS 397: Student Teaching: Inclusive Early Childhood (Ages Birth-5) & 4 & C & \\
\hline ECS 420: Evaluation and Intervention Strategies for Infants, Toddlers and Preschoolers with Disabilities & \[
3
\] & C & \\
\hline ECS 431: Family, Community and Professional Support Systems & 3 & C & \\
\hline Foreign Language Elective OR Art, Dance, Music, Theater, Film, or Design Elective & \multicolumn{2}{|l|}{3} & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 792-106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECD 418: Instructional Methods for Young Children: Integrating Digital Media & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline ECS 412: Mathematics Curriculum, Instruction and Assessment & 3 & C & \\
\hline ECS 413: Literacy Curriculum, Instruction and Assessment (L) & 3 & C & \\
\hline ECS 478: Student Teaching: Special Education (Grades K-3) & 5 & C & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 8106-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline ECD 478: Student Teaching: Early Childhood (Grades K-3) & 5 & C & \\
\hline W ECS 411: Instructional Methodologies for Young Children: STEM & 3 & C & \\
\hline ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education & 3 & C & \\
\hline SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth & 3 & C & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
Freign Language Electives
Art, Dance, Music, Theater, Film, or Design
Electives

\section*{Science Education Electives}

SCN 205: Introduction to Tropical Ecology: A Cultural Exchange

SCN 209: Introduction to Environmental Education Project

SCN 250: Physical Science by Inquiry (SQ)
SCN 300: Foundations of Environmental Education

SCN 301: Ecology and Natural History of the Sonoran Desert

SCN 302: Environmental Education (L)
SCN 303: Environmental Education Internship
SCN 304: Sonoran Desert Flora
SCN 305: Tropical Ecology: A Cultural
Exchange
SCN 307: Learning from Nature: Biomimicry and STEM

SCN 308: Urban Environmental Education
SCN 401: Sustainability Science, Technology, and Society

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Education Exploratory}

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus, Tempe campus, West campus
TEEDUEXPL
\begin{tabular}{|c|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessment
\end{tabular} \\
\hline 4 SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C & score determines placement in \\
\hline 4. TEL 101: Professional Educator Series: My Footprint & 1 & & mathematics course \\
\hline MAT 142: College Mathematics (MA) & 3 & C & First-Year Seminar required of all \\
\hline Elective & 3 & & freshman students \\
\hline Term hours subtotal: & 13 & & - Select your career interest area and play me3@ASU. \\
\hline Term 2-30-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Join a student club or professional organization \\
\hline 4 . TEL 102: Professional Educator Series: My Network Footprint & 1 & C & \\
\hline TEL 111: Exploration of Education (SB) & 3 & C & \\
\hline TEL 212: Understanding the Culturally Diverse Learner (C) & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & C & \\
\hline Elective & 3 & & \\
\hline Milestone: Students must declare a BAE major upon the completion of 30 credits. Please meet with a Teachers College advisor to declare one of the BAE programs. & & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline
\end{tabular}

Total Hours: 30
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Educational Studies, BAE
School/College: Mary Lou Fulton Teachers College Location: Polytechnic campus, Tempe campus, West campus EDSLSTBAE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
\hline 4 ( MAT 142: College Mathematics (MA) & 3 & & - Mathematics Placement Assessment score \\
\hline TEL 101: Professional Educator Series: My Footprint & 1 & & determines placement in mathematics course \\
\hline ECD 220: Introduction to Nutrition, Health and Safety & 2 & C & - ASU 101 or college-specific equivalent \\
\hline EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & C & First-Year Seminar required of all freshman students. \\
\hline TEL 111: Exploration of Education (SB) & 3 & C & - Select your career interest area and play \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Join a student club or professional organization \\
\hline 4. SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C & \\
\hline TEL 102: Professional Educator Series: My Network Footprint & 1 & & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Elective & 4 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-43 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline 4. TEL 212: Understanding the Culturally Diverse Learner (C) & 3 & C & \multirow{7}{*}{\begin{tabular}{l}
- Develop your skills \\
- Select one track option from options below and complete all courses listed within the same track
\end{tabular}} \\
\hline TEL 201: Professional Educator Series: My Community Footprint & 1 & & \\
\hline Educational Studies Track Course & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & 3 & & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 13 & & \\
\hline Term 443-60 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1. RDG 291: Children's Literature (HU) & 3 & C & \multirow[t]{4}{*}{- Develop your professional online presence} \\
\hline 4. USL 216: Service Learning: For Educators (L \& C) & 3 & C & \\
\hline TEL 202: Professional Educator Series: My Impact & 1 & & \\
\hline Educational Studies Track Course & 3 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science - Quantitative (SQ) OR Natural Science - General (SG)} & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 560-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TEL 315: Child and Adolescent Development (L or SB) & 3 & C & \\
\hline EDP 310: Educational Psychology for Non-Teachers (SB) & 3 & C & \\
\hline SCN 300: Foundations of Environmental Education & 3 & C & \\
\hline Educational Studies Track Course & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 675-90 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline EDP 310: Educational Psychology for Non-Teachers (SB) & 3 & C & \multirow[t]{7}{*}{- Use Handshake to research employment opportunities} \\
\hline \begin{tabular}{l}
USL 402: Service Learning: Education \& Youth (C) OR USL 410: \\
Service Learning: Diverse Community Issues (L \& C)
\end{tabular} & 3 & C & \\
\hline SPF 301: Culture and Schooling (L) & 3 & C & \\
\hline Educational Studies Track Course & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 790-105 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \(\}\) USL 496: Service-Learning Capstone & 3 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Complete an in person or virtual practice interview \\
- Apply for full-time career opportunities
\end{tabular}} \\
\hline SCN 401: Sustainability Science, Technology, and Society & 3 & C & \\
\hline TEL 313: Technology in an Educational Setting & 3 & C & \\
\hline TEL 430: Learning Outside of School & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{} & \\
\hline Term 8105-120 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline USL 497: Service-Learning Capstone Project & 3 & C & \\
\hline SPE 411: Family Involvement and Regulatory Issues & 3 & & \\
\hline TEL 431: Learning in Workplaces & 3 & C & \\
\hline Educational Studies Track Course & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 15 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Business & Community Health & Environmental Education \\
\hline ACC 382: Accounting and Financial Analysis & HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) & SCN 201: Discovering the Deserts of the Southwest \\
\hline
\end{tabular}
FIN 380: Personal Financial Management
HCR 231: Fundamentals of Community
MGT 380: Management and Strategy for
Nonmajors
Health
MKT 390: Essentials of Marketing
HCR 31: Communication within
Communities

SCN 207: Introduction to Biomimicry
SCN 301: Ecology and Natural History of the Sonoran Desert

SCN 302: Environmental Education (L)
SCN 303: Environmental Education Internship

\section*{Health Innovation}

HCI 311: Health Innovation: Foundational Concepts

HCI 412: Transforming Health Care: A Systems Perspective for Innovation

HCI 421: Health Care Policy: The Innovator's View

HCI 425: Facilitating Innovation to Achieve Outcomes

HCI 428: Technology: A Tool to Advance Innovation in Health Care

\section*{Personal Health}

EXW 303: Human Sexuality for Health Education

EXW 325: Fitness for Life

EXW 380: Body Image and Wellness
NTR 100: Introductory Nutrition
NTR 355: Eating for Lifelong Health (SB)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)

Academic Catalog Archive 2018-2019

Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
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2018-2019 Major Map
Educational Studies, BAE
School/College: Mary Lou Fulton Teachers College.
Location: Online
EDSLSTBAE

```
\begin{tabular}{|c|c|c|c|}
\hline Term 1-A 0-7 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

MAT 142: College Mathematics (MA) 3
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition

TEL 101: Professional Educator Series: My Footprint
Term hours subtotal: 7
1
C
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Math Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 1-B 7-15 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- View ASU Online first-time freshmen registration information here. \\
- Network in your career interest area
\end{tabular}} \\
\hline ECD 220: Introduction to Nutrition, Health and Safety & 2 & C & \\
\hline TEL 111: Exploration of Education (SB) & 3 & C & \\
\hline Term hours subtotal: & 8 & & \\
\hline Term 2-A 15-22 Credit Hours Critical course signified by \({ }^{(\%)}\) & Hours & Minimum Grade & Notes \\
\hline 1. SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C & \\
\hline ENG 101 or ENG 102: First-Year Composition OR & & & \\
\hline ENG 105: Advanced First-Year Composition OR & 3 & C & \\
\hline ENG 107 or ENG 108: First-Year Composition & & & \\
\hline Elective & 1 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 2-B 22-29 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

Global Awareness (G) 3
Natural Science - Quantitative (SQ) 4
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal: \(\quad 7\)
\begin{tabular}{|c|c|c|c|}
\hline Term 3-A 29-36 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1.1 TEL 212: Understanding the Culturally Diverse Learner (C) & 3 & C & \multirow[t]{2}{*}{- Develop your skills} \\
\hline Elective & \multicolumn{2}{|l|}{4} & \\
\hline Term hours sub & 7 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3-B 36-42 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Educational Studies Track Course & 3 & C & \\
\hline \multicolumn{3}{|c|}{Academic Catalog Archive 2018-2019} & 4006 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Humanities, Arts and Design (HU) AND Historical Awareness (H) & \multicolumn{2}{|l|}{3} \\
\hline Complete Mathematics (MA) requirement. & & \\
\hline Term hours subtotal: & 6 & \\
\hline Term 4-A 42-49 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline 1. TEL 200: Social Embeddedness of Educational Endeavors & 3 & C \\
\hline RDG 291: Children's Literature (HU) & 3 & \\
\hline Elective & 1 & \\
\hline Term hours subtotal: & 7 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-B 49-56 Credit Hours & Hours & Minimum Grade & Notes \\
\hline Educational Studies Track Course & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 5-A 56-65 Credit Hours Necessary course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] & Notes \\
\hline TEL 315: Child and Adolescent Development (L or SB) & 3 & C & \multirow[t]{4}{*}{- Develop your professional online presence} \\
\hline Educational Studies Track Course & 3 & C & \\
\hline Upper Division Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline Term 5-B 65-72 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

ECS 312: Social and Emotional Development of the Young Child (SB)
3 C
EDP 310: Educational Psychology for Non-Teachers (SB), Career and Professional Development (SB), Children and Poverty (SB), Developing as a Leader (SB), Emotional Intelligence (SB), Gender Development (SB), Immigration, Education \& Family (SB), Learning and Memory (SB), Motivation (SB), Multicultural Issues (SB), Understanding the Brain (SB)
SCN 300: Foundations of Environmental Education
\begin{tabular}{|c|c|c|c|}
\hline Term 6-A 72-79 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TEL 300: Community, Family, and Education & 3 & C & \\
\hline Educational Studies Track Course & 3 & C & \\
\hline Upper Division Elective & 1 & & \\
\hline Term hours subtotal: & 7 & & \\
\hline Term 6-B 79-87 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

EDP 310: Educational Psychology for Non-Teachers (SB), Career and Professional Development (SB), Children and Poverty (SB), Developing as a Leader (SB), Emotional Intelligence (SB), Gender Development (SB), Immigration, Education \& Family (SB), Learning and Memory (SB), Motivation (SB), Multicultural Issues (SB), Understanding the Brain (SB)
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Elective 3} & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 7-A 87-96 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TEL 400: Innovation in Educational Endeavors & 3 & C & \\
\hline 3 TEL 430: Learning Outside of School & 3 & C & \\
\hline SCN 401: Sustainability Science, Technology, and Society & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal:} & \\
\hline Term 7-B 96-105 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{EDP 310: Educational Psychology for Non-Teachers (SB), Career and Professional Development (SB), Children and Poverty (SB), Developing as a Leader (SB), Emotional Intelligence (SB), Gender Development (SB), Immigration, Education \& Family (SB), Learning and Memory (SB), Motivation (SB), Multicultural Issues (SB), Understanding the Brain (SB)} & - Gather professional references \\
\hline TEL 313: Technology in an Educational Setting & 3 & C & \\
\hline Educational Studies Track Course & 3 & C & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 9} & \\
\hline Term 8-A 105-111 Credit Hours & Hours & Minimum Grade & Notes \\
\hline \multicolumn{3}{|l|}{SPE 411: Family Involvement and Regulatory Issues} & - Apply for full-time career opportunities \\
\hline \multicolumn{3}{|l|}{Upper Division Elective} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 6} & \\
\hline Term 8-B 111-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline TEL 410: Leadership and Advocacy in Educational Endeavors & 3 & C & \\
\hline TEL 431: Learning in Workplaces & 3 & C & \\
\hline Elective & 3 & & \\
\hline Term hours subtotal: & 9 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
\begin{tabular}{l|l|l}
\hline Health Innovations & Political Science & Family and Human Development \\
\hline \begin{tabular}{l} 
HCI 311: Health Innovation: Foundational \\
Concepts
\end{tabular} & \begin{tabular}{l} 
POS 110: American Government and Politics \\
\((S B)\)
\end{tabular} & CDE 232: Human Development (SB) \\
\hline \begin{tabular}{l} 
HCI 412: Transforming Health Care: A \\
Systems Perspective for Innovation
\end{tabular} & POS 150: Comparative Government (SB \& G) & Family (SB) \\
\hline HCI 421: Health Care Policy: The Innovator's & POS 210: Political Ideologies (SB) & FAS 101: Personal Growth in Human \\
View & POS 360: World Politics (SB \& G) & Relationships (SB) \\
HCI 425: Facilitating Innovation to Achieve & POS Upper Division Elective & FAS 331: Marriage and Family Relationships \\
Outcomes & & (SB) \\
\hline
\end{tabular}

HCI 428: Technology: A Tool to Advance
Innovation in Health Care
\begin{tabular}{|c|c|c|}
\hline Global Studies & Personal Health & Community Health \\
\hline SGS 101: Thinking Globally: The Individual and Authority (SB \& G) & EXW 303: Human Sexuality for Health Education & HCR 220: Introduction to Health Professions and the U.S. Health Care System (H) \\
\hline SGS 301: Principles of Global Studies (G) & EXW 325: Fitness for Life & \multirow[t]{2}{*}{HCR 231: Fundamentals of Community Health} \\
\hline SGS 303: Global Trends (SB) & EXW 380: Body Image and Wellness & \\
\hline SGS Lower Division Elective & NTR 100: Introductory Nutrition & HCR 331: Communication within Communities \\
\hline SGS Upper Division Elective & NTR 355: Eating for Lifelong Health (SB) & HCR 335: Program Development and Management for Community Health \\
\hline & & HCR 435: Leaders in Community Health \\
\hline Organizational Leadership & Business & \\
\hline OGL 200: Introduction to Organizational Leadership (SB) & ACC 382: Accounting and Financial Analysis & \\
\hline & ECN 211: Macroeconomic Principles (SB) & \\
\hline OGL 220: Behavioral Dynamics in Organizations (SB) & FIN 380: Personal Financial Management & \\
\hline OGL 300: Theory and Practice of Leadership & MGT 380: Management and Strategy for Nonmajors & \\
\hline OGL 321: Project Leadership, Strategy and Scope & MKT 390: Essentials of Marketing & \\
\hline OGL 355: Leading Organizational Innovation and Change (L) & & \\
\hline
\end{tabular}

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Elementary Education, BAE
School/College: Mary Lou Fulton Teachers College.
Location: Polytechnic campus, Tempe campus, West campus
TEEEDBAE
\begin{tabular}{|l|l|l|l|}
\hline Term 10-16 Credit Hours Critical course signified by 4 & Hours & \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}

ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
TEL 101: Professional Educator Series: My Footprint
1
TEL 212: Understanding the Culturally Diverse Learner (C) OR RDG
291: Children's Literature (HU) OR SPE 222: Orientation to
Education of Exceptional Children (SB \& C) OR TEL 215:
Introduction to Child and Adolescent Development (SB)
EDT 180: Technology Literacy: Problem Solving using Digital 3 Technology Applications (CS)


MAT 142: College Mathematics (MA)
3
C
Foreign Language Elective or Art, Dance, Music, Theater, Film, or Design Elective

Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 216-31 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline 1. TEL 102: Professional Educator Series: My Network Footprint & 1 & C \\
\hline TEL 212: Understanding the Culturally Diverse Learner (C) OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB \& C) OR TEL 215: Introduction to Child and Adolescent Development (SB) & 3 & C \\
\hline Foreign Language Elective or Art, Dance, Music, Theater, Film, or Design Elective & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & C \\
\hline , Elective & 1 & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & \\
\hline Term hours subtotal: & 15 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU.
- Please select an elective course from either the Foreign Language track list or the Art, Dance, Music, Theater, Film, or Design track list below.

Term hours subtotal: 15
\begin{tabular}{|c|c|c|}
\hline Term 3 31-45 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline MTE 280: Investigating Quantity: Number, Operations \& Numeration Systems & 3 & C \\
\hline 1. TEL 201: Professional Educator Series: My Community Footprint & 1 & C \\
\hline TEL 212: Understanding the Culturally Diverse Learner (C) OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB \& C) OR TEL 215: Introduction to Child and Adolescent Development (SB) & 3 & C \\
\hline 4. USL 216: Service Learning: For Educators (L \& C) & 3 & C \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & C \\
\hline
\end{tabular}
- Join a student club or professional organization
- Please select an elective course from either the Foreign Language track list or the Art, Dance, Music, Theater, Film, or Design track list below.
1. Complete Mathematics (MA) requirement.

Milestone: DPS Fingerprint Clearance Card.
Term hours subtotal: 14
\begin{tabular}{|c|c|c|}
\hline Term 4-61 Credit Hours Critical course signified by \({ }^{\text {4- }}\) & Hours & Minimum Grade \\
\hline MTE 281: Investigating Space: Geometry, Measurement, and Visualization & 3 & C \\
\hline (1) TEL 202: Professional Educator Series: My Impact & 1 & C \\
\hline TEL 212: Understanding the Culturally Diverse Learner (C) OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB \& C) OR TEL 215: Introduction to Child and Adolescent Development (SB) & 3 & C \\
\hline GCU 113: United States and Arizona Social Studies (SB \& H) & 3 & C \\
\hline Science Education Elective & 3 & C \\
\hline Lower Division Humanities, Arts and Design (HU) AND Global Awareness (G) ( GCU 114 recommended) & \multicolumn{2}{|l|}{3} \\
\hline Milestone: Intent to Progress Online Form. & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Term hours subtotal:
16
\(\begin{array}{l}\text { Term } 5 \text { 61-78 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|c|}
\hline BLE 404: Instructional Design for Culturally and Linguistically Diverse Students & 3 & C & \\
\hline EED 397: Clinical Experience II & 2 & C & \\
\hline EED 411: Science in Elementary Schools & 3 & C & \\
\hline EED 412: Mathematics in Elementary Schools & 3 & C & \\
\hline R RDG 322: Language Literacy 1 in Elementary Schools & 3 & C & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 792-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EED 324: Social Studies in Elementary Schools & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline EED 478: Student Teaching: Elementary School (Grades 1-8) & 7 & C & \\
\hline RDG 413: Language Literacy 2 in Elementary Schools & 3 & C & \\
\hline SPE 323: Behavioral Strategies for All Students & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 8108 -120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EED 478: Student Teaching: Elementary School (Grades 1-8) & 9 & C & \\
\hline SPE 416: Quality Practices in the Collaborative Classroom & 3 & C & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)


Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Elementary Education (Bilingual Education and English as a Second Language), BAE
School/College: Mary Lou Fulton Teachers College
Location: Tempe campus
TEDLLBAE
\begin{tabular}{|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by & Hours & Minimum Grade \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline (1) MAT 142: College Mathematics (MA) & 3 & C \\
\hline 4 TEL 101: Professional Educator Series: My Footprint & 1 & \\
\hline EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & C \\
\hline Foreign Language Elective or Art, Dance, Music, Theater, Film, or Design Elective & 3 & C \\
\hline Term hours subtotal: & 13 & \\
\hline
\end{tabular}

\section*{Term hours subtotal.}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into First-Year Composition courses
- Mathematics Placement Assessment score determines placement into mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Select your career interest area and play me3@ASU
- Please select an elective course from either the Foreign Language track list or the Art, Dance, Music, Theater, Film, or Design track list below.
\begin{tabular}{|c|c|c|c|}
\hline Term 2 13-30 Credit Hours Critical course signified by \({ }^{\text {¢ }}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - Join a student club or professional organization \\
\hline TEL 102: Professional Educator Series: My Network Footprint & 1 & C & either the Foreign Language track list or \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
TEL 212: Understanding the Culturally Diverse Learner (C) OR RDG \\
291: Children's Literature (HU) OR SPE 222: Orientation to \\
Education of Exceptional Children (SB \& C) OR TEL 215: \\
Introduction to Child and Adolescent Development (SB)
\end{tabular} & 6 & C & the Art, Dance, Music, Theater, Film, or Design track list below. \\
\hline Natural Science - Quantitative (SQ) & 4 & C & \\
\hline Foreign Language Elective or Art, Dance, Music, Theater, Film, or Design Elective & 3 & C & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Milestone: DPS Fingerprint Clearance Card. & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3 30-44 Credit Hours Critical course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline MTE 280: Investigating Quantity: Number, Operations \& Numeration Systems & 3 & C & - Develop your skills \\
\hline 1. TEL 201: Professional Educator Series: My Community Footprint & 1 & C & \\
\hline TEL 212: Understanding the Culturally Diverse Learner (C) OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education & 3 & C & \\
\hline
\end{tabular} of Exceptional Children (SB \& C) OR TEL 215: Introduction to Child and Adolescent Development (SB)
? USL 216: Service Learning: For Educators (L \& C)
\begin{tabular}{|c|c|c|c|}
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & C & \\
\hline \multicolumn{3}{|l|}{Complete Mathematics (MA) requirement.} & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline MTE 281: Investigating Space: Geometry, Measurement, and Visualization & 3 & C & \multirow[t]{7}{*}{\begin{tabular}{l}
- Must complete a minimum of 60 credits including foundational coursework to progress into iTeachAZ. \\
- Develop your professional online presence
\end{tabular}} \\
\hline TEL 202: Professional Educator Series: My Impact & 1 & C & \\
\hline TEL 212: Understanding the Culturally Diverse Learner (C) OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB \& C) OR TEL 215: Introduction to Child and Adolescent Development (SB) & 3 & C & \\
\hline GCU 113: United States and Arizona Social Studies (SB \& H & 3 & C & \\
\hline Science Education Elective & 3 & C & \\
\hline Lower Division Humanities, Arts and Design (HU) AND Global Awareness (G) ( GCU 114 recommended) & 3 & & \\
\hline 4. Milestone: Submit intent to progress form (online) & & & \\
\hline
\end{tabular}

Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 560-74 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline BLE 396: Clinical Experience I & 2 & C \\
\hline BLE 400: Principles of Language Minority Education & 3 & C \\
\hline 3 EDP 311: Educational Psychology for Future Teachers (SB) & 3 & C \\
\hline MTE 301: Investigating Change: Patterns, Functions, and Modeling & 3 & C \\
\hline 5 SCN 400: Sustainability Science for Teachers & 3 & C \\
\hline
\end{tabular}

Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal: 14
\begin{tabular}{|c|c|c|c|}
\hline Term 674-91 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BLE 322: Reading Methods in BLE/ESL Settings & 3 & C & \multirow[t]{9}{*}{- Complete an in person or virtual practice interview} \\
\hline BLE 397: Clinical Experience II & 2 & C & \\
\hline BLE 412: Mathematics Curriculum, Instruction and Assessment in BLE/ESL Settings & 3 & C & \\
\hline BLE 413: Language Arts in BLE/ESL Settings & 3 & C & \\
\hline W BLE 481: Reading Practicum & 3 & C & \\
\hline SPE 416: Quality Practices in the Collaborative Classroom & 3 & C & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 791-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BLE 324: Social Studies for Diverse Language Classrooms & 3 & C & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BLE 335: Language Diversity in Classrooms (SB) & 3 & C & \\
\hline BLE 478: Student Teaching: BLE/ESL Elementary Schools 1-8 & 6 & C & \\
\hline MCE 447: Diversity in Families and Communities in Multicultural Settings & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Science Education Electives & Foreign Language Electives & \multirow[t]{2}{*}{Art, Dance, Music, Theater, Film, or Design Electives} \\
\hline \multirow[t]{2}{*}{SCN 205: Introduction to Tropical Ecology: A Cultural Exchange} & ARB Elective & \\
\hline & & ADE Elective \\
\hline \multirow[b]{3}{*}{SCN 209: Introduction to Environmental Education Project} & \multirow[b]{2}{*}{CHI Elective} & \multirow[t]{2}{*}{AME Elective} \\
\hline & & \\
\hline & \multirow[b]{2}{*}{FRE Elective} & ARA Elective \\
\hline SCN 250: Physical Science by Inquiry (SQ) & & \multirow[b]{2}{*}{ARE Elective} \\
\hline & GER Elective & \\
\hline Education & HEB Elective & ARS Elective \\
\hline SCN 301: Ecology and Natural History of the & \multirow[t]{2}{*}{IDN Elective} & ART Elective \\
\hline Sonoran Desert & & DAH Elective \\
\hline SCN 302: Environmental Education (L) & ITA Elective & \multirow[b]{2}{*}{DCE Elective} \\
\hline & \multirow[t]{2}{*}{JPN Elective} & \\
\hline SCN 303: Environmental Education Internship & & \multirow[t]{2}{*}{DSC Elective} \\
\hline SCN 304: Sonoran Desert Flora & KOR Elective & \\
\hline & \multirow[t]{2}{*}{LAT Elective} & ERM Elective \\
\hline SCN 305: Tropical Ecology: A Cultural & & \multirow[t]{2}{*}{FMP Elective} \\
\hline Exchange & PLC Elective & \\
\hline SCN 307: Learning from Nature: Biomimicry & \multirow[t]{2}{*}{POR Elective} & FMS Elective \\
\hline and STEM & & IAP Elective \\
\hline SCN 308: Urban Environmental Education & \multirow[b]{2}{*}{RUS Elective} & \multirow[t]{2}{*}{IND Elective} \\
\hline \multirow{7}{*}{SCN 401: Sustainability Science, Technology, and Society} & & \\
\hline & SHS Elective & INT Elective \\
\hline & SLV Elective & MHL Elective \\
\hline & SPA Elective & MTC Elective \\
\hline & THA Elective & MUE Elective \\
\hline & VTN Elective & MUP Elective \\
\hline & Academic Catalog Archive 2018-2019 & 4016 \\
\hline
\end{tabular}

\author{
Total Hours: 120 \\ Upper Division Hours: 45 minimum \\ Major GPA: 2.00 minimum \\ Cumulative GPA: 2.00 minimum \\ Total hrs at ASU: 30 minimum \\ Hrs Resident Credit for \\ Academic Recognition: 56 minimum \\ Total Community College Hrs: 64 maximum
}

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\begin{tabular}{|c|c|c|c|}
\hline Term 447-62 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4. TEL 202: Professional Educator Series: My Impact & 1 & C & \multirow{7}{*}{\begin{tabular}{l}
- Must complete at least 60 credits including foundational coursework to progress into iTeachAZ. \\
- Develop your skills \\
- Please select an elective course from the Fine Arts, Design, Sustainability, and Engineering Elective track list below.
\end{tabular}} \\
\hline RDG 291: Children's Literature (HU) & 3 & C & \\
\hline SCN 201: Discovering the Deserts of the Southwest OR SCN 207: Introduction to Biomimicry & 4 & C & \\
\hline Fine Arts, Design, Sustainability, and Engineering Elective & 3 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & C & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 562-77 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BLE 408: SEI for Linguistically Diverse Learners (L) & 3 & C & \multirow{8}{*}{\begin{tabular}{l}
- Clinical Experience placement wil in a math or science classroom. \\
- Develop your professional online presence
\end{tabular}} \\
\hline 5 EDP 311: Educational Psychology for Future Teachers (SB) & 3 & C & \\
\hline EED 396: Clinical Experience I & 2 & C & \\
\hline EED 433: Language Method Management and Assessment & 3 & C & \\
\hline MTE 301: Investigating Change: Patterns, Functions, and Modeling & 3 & C & \\
\hline SCN 309: Environmental Education Project, Discover a Watershed, Flying Wild, Globe, Outdoor Explorers Guide to Geology, Outdoor Explorers Guide to the Universe, Project Learning Tree, Project Wet, Project Wild, Project Wild Aquatic & 1 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 677-92 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EED 397: Clinical Experience II & 2 & C & \multirow{9}{*}{- Must pass National Evaluation Series (NES) exam for middle grade math or science.} \\
\hline MTE 412: Mathematics in Elementary Schools & 3 & C & \\
\hline R RDG 322: Language Literacy 1 in Elementary Schools & 3 & C & \\
\hline 5 SCN 302: Environmental Education (L) & 3 & C & \\
\hline SCN 411: Science in Elementary Schools & 3 & C & \\
\hline \multicolumn{3}{|l|}{Elective 1} & \\
\hline \multicolumn{3}{|l|}{Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s).} & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 792-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EED 324: Social Studies in Elementary Schools & 3 & C & \\
\hline 3 EED 478: Student Teaching: Elementary School (Grades 1-8) & 6 & C & \\
\hline 2 RDG 413: Language Literacy 2 in Elementary Schools & 3 & C & \\
\hline 3 SPE 323: Behavioral Strategies for All Students & 3 & C & \\
\hline
\end{tabular}

SCN 309: Environmental Education Project, Discover a Watershed, Flying Wild, Globe, Outdoor Explorers Guide to Geology, Outdoor Explorers Guide to the Universe , Project Learning Tree , Project Wet , Project Wild, Project Wild Aquatic

Minimum 2.50 GPA ASU Cumulative.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|c|}{Term hours subtotal: 16} \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline EED 478: Student Teaching: Elementary School (Grades 1-8) & 9 & C \\
\hline SPE 416: Quality Practices in the Collaborative Classroom & 3 & C \\
\hline
\end{tabular}

Term hours subtotal: \(\quad 12\)

Hide Course List(s)/Track Group(s)
Fine Arts, Design, Sustainability, and
Engineering Electives
ARS Elective
ART Elective
DSC Elective
ERM Elective
HSE Elective
SCN Elective
SOS Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Secondary Education, BAE
School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus, Tempe campus, West campus, ASU@The Gila Valley, ASU@Yuma
TESEDBAE

\begin{tabular}{|c|c|c|c|}
\hline Term 447-63 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & C & - Apply for Identity Verified Print (IVP) DPS fingerprint clearance card. \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline Term 795-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BLE 407: SEI for Secondary Students (L) & 3 & C & \\
\hline I SED 403: Secondary Principles, Curriculum and Methods & 3 & & \\
\hline 5 SPE 417: Inclusion Practices at the Secondary Level & 3 & C & \\
\hline SED 496: Clinical Experience III & 1 & & \\
\hline Track Course & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 8 \text { 108-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{c} 
Notes
\end{tabular}
- Courses selected for Track Area must be from same track. Students should not mix/match track areas.


\section*{Chemistry Track Courses}

BCH 361: Advanced Principles of Biochemistry

CHM 113: General Chemistry I (SQ)

CHM 116: General Chemistry II (SQ)

CHM 233: General Organic Chemistry I AND
CHM 237: General Organic Chemistry
Laboratory I
CHM 234: General Organic Chemistry II
AND CHM 238: General Organic Chemistry Laboratory II

CHM Upper Division Elective

Mathematics Track Courses
MAT 270: Calculus with Analytic Geometry I (MA)

MAT 271: Calculus with Analytic Geometry II (MA)

MAT 272: Calculus with Analytic Geometry III (MA)

MAT 2** Elective

MAT Upper Division Elective

STP Elective

PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)

\section*{PHY Elective}

SPE Upper Division Elective
SPF Upper Division Elective
TEL Upper Division Elective
USL Upper Division Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Chemistry, BA}

School/College: College of Liberal Arts and Sciences
Location: Tempe campus
LACHMBA
and
Secondary
Education,
BAE
Mary Lou Fulton Teachers College TESEDBAE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

CHM 117: General Chemistry for Majors I (SQ) AND CHM 111:
4. General Chemistry Laboratory for Majors I (SQ) OR CHM 113:

4 General Chemistry I (SQ)
4. MAT 270: Calculus with Analytic Geometry I (MA)

4
C
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
LIA 101: Student Success in the College of Liberal Arts and Sciences OR TEL 101: Professional Educator Series: My Footprint

Humanities, Arts and Design (HU) AND Global Awareness (G) 3
Term hours subtotal: 15
- SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students.
- Select your career interest area and play me3@ASU
\begin{tabular}{|c|c|c|c|}
\hline Term 2 15-30 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}

CHM 118: General Chemistry for Majors II (SQ) AND CHM 112:
General Chemistry Laboratory for Majors II (SQ) OR CHM 116:
General Chemistry II (SQ)
ENG 101 or ENG 102: First-Year Composition OR
ENG 105: Advanced First-Year Composition OR
3 C
ENG 107 or ENG 108: First-Year Composition
MAT 271: Calculus with Analytic Geometry II (MA)
4
C
Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or

4
C equivalent), including American Sign Language IV.

Complete ENG 101 OR ENG 105 OR ENG 107 course(s).
Term hours subtotal:

\section*{15}
\begin{tabular}{|c|c|c|}
\hline Term 3 30-45 Credit Hours Critical course signified by ! & Hours & Minimum Grade \\
\hline 4. CHM 233: General Organic Chemistry I & 3 & C \\
\hline ¢. CHM 237: General Organic Chemistry Laboratory I & 1 & C \\
\hline 4 PHY 111: General Physics (SQ) & 3 & C \\
\hline PHY 113: General Physics Laboratory (SQ) & 1 & C \\
\hline
\end{tabular}
- ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
- Connect with a Career Advisor by registering for a Handshake account.
\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Computer/Statistics/Quantitative Applications (CS) & 3 & & \\
\hline 4. Complete First-Year Composition requirement. & & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 PHY 112: General Physics (SQ) & 3 & C & - Teachers College Requirement: Apply for \\
\hline PHY 114: General Physics Laborato................................................ & 1 & C & Identity Verified Print (IVP) DPS \\
\hline CHM 234: General Organic Chemistry II & 3 & C & fingerprint clearance card. \\
\hline CHM 238: General Organic Chemistry Laboratory II & 1 & C & - Network in your career interest area. \\
\hline \begin{tabular}{l}
Second Language: Requirement satisfied through the following: \\
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
\end{tabular} & 4 & C & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) ( GCU 113 recommended) & 3 & & \\
\hline
\end{tabular}
\(\begin{array}{l}\text { Term } 5 \text { 60-77 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\
\text { Grade }\end{array}\right]\)\begin{tabular}{c} 
Notes
\end{tabular}

Term hours subtotal: 17

Term 92 - 108 Credit Hours Necessary course signified by
BLE 407: SEI for Secondary Students (L)
Hide Course List(s)/Track Group(s)
Non-Teacher Certification Track
ECS Upper Division Elective
EDP Upper Division Elective
EDT Upper Division Elective
SCN Upper Division Elective
SED Upper Division Elective
SPE Upper Division Elective
SPF Upper Division Elective
TEL Upper Division Elective
USL Upper Division Elective

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.
2018-2019 Major Map
Biological Sciences, BS
School/College: College of Liberal Arts and Sciences.
Location:
LABSCBS
and
Secondary
Education,
BAE
Mary Lou Fulton Teachers College
TESEDBAE


Term hours subtotal:
\begin{tabular}{|c|c|c|}
\hline Term 3 32-49 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline (1. BIO 340: General Genetics & 4 & C \\
\hline CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) & 4 & C \\
\hline CLAS Science and Society Elective & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline Social-Behavioral Sciences (SB) AND Historical Awareness (H) ( GCU 113 recommended) & 3 & \\
\hline
\end{tabular}

Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
\begin{tabular}{|c|c|c|c|}
\hline Term 44-64 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4. BIO 345: Organic Evolution & 3 & C & \multirow[t]{7}{*}{- Apply for Identity Verified Print (IVP) DPS fingerprint clearance card.} \\
\hline EDP 313: Childhood and Adolescence (SB) & 3 & C & \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C & \\
\hline Additional Major Requirement Course & 3-4 & C & \\
\hline Upper Division CLAS Science and Society Elective & 3 & C & \\
\hline (4) Milestone: Intent to Progress Online Form. & & & \\
\hline Term hours subtotal: & 15-16 & & \\
\hline Term 564-75 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline Upper Division Major Elective Course & 3 & C & \multirow[b]{4}{*}{- Meet with Teachers College advisor to complete paperwork needed to start education program. Call 480.965.5555 to schedule appointment by recommended deadline of September 15.} \\
\hline M Major Laboratory/Research Course & 1-4 & C & \\
\hline PHY 101: Introduction to Physics (SQ) & 4 & C & \\
\hline Upper Division Additional Major Requirement Course & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & - Pre-health students should take PHY 111 and \\
\hline Term hours subtotal: & 11-14 & & \begin{tabular}{l}
PHY 113 instead of PHY 101 in this term. See the pre-health website for more information. \\
- A total of 2 Laboratory/Research Courses are required for graduation. \\
- Join a student club or professional organization
\end{tabular} \\
\hline
\end{tabular}
Term 65 - 91 Credit Hours Necessary course signified by
Term 8 107-122 Credit Hours Necessary course signified by \(\quad\) Hours \(\left.\begin{array}{l}\text { Minimum } \\ \text { Grade }\end{array}\right]\)
- Some upper division track courses require prerequisites not required for this degree. Students may wish to use elective hours to complete those prerequisites.

All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://clas.asu.edu/resources/science-society. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies \(\mathrm{HU}, \mathrm{SB}, \mathrm{SQ}\) or SG requirements.

Hide Course List(s)/Track Group(s)
Major Laboratory/Research Courses
BIO 308: Plant Physiology
BIO 321: Introductory Ecology Laboratory
BIO 342: General Genetics Laboratory
BIO 343: Genetic Engineering and Society (L)
BIO 352: Laboratory in Vertebrate
Developmental Anatomy
BIO 361: Animal Physiology Laboratory
BIO 386: General Entomology
BIO 435: Research Techniques in Animal
Behavior
BIO 451: Cell Biotechnology: Cell Culture,
Immunocytochemistry and Bioimaging
BIO 453: Animal Histology
BIO 471: Ornithology
BIO 472: Mammalogy
BIO 474: Herpetology
BIO 495: Undergraduate Research
(1)
\begin{tabular}{l} 
Major Elective Courses \\
BCH 361: Advanced Principles of \\
Biochemistry \\
BIO 304: Plants and Civilization (L) \\
ECS Upper Division Elective \\
BIO 313: The Flora of Arizona \\
BIO 318: History of Medicine (HU \& H) or \\
HPS 331: History of Medicine (HU \& H) \\
BIO 322: Conservation of Biodiversity \\
EDT Upper Division Elective \\
BIO 323: Ecosystem Restoration and \\
Management \\
BIO 325: Oceanography \\
SPE Upper Diver Division Elective \\
\hline BIO 346: The Darwinian Revolution \\
BIO 355: Introduction to Computational \\
Molecular Biology (CS) or MBB 355: \\
Introduction to Computational Molecular \\
Biology (CS)
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multirow[t]{2}{*}{MBB 343: Genetic Engineering and Society (L)} & BIO 423: Population and Community Ecology \\
\hline & BIO 427: Fire (H) \\
\hline MBB 350: Applied Genetics & \\
\hline \multirow[t]{15}{*}{MIC 302: Advanced Bacteriology Laboratory (L)} & (L) \\
\hline & BIO 436: Sociobiology and Behavioral Ecology \\
\hline & BIO 440: Functional Genomics or MBB 440: Functional Genomics \\
\hline & BIO 446: Principles of Human Genetics (L) \\
\hline & BIO 455: Introduction to Comparative Genomics \\
\hline & BIO 461: Comparative Animal Physiology \\
\hline & BIO 462: Endocrine Physiology \\
\hline & BIO 467: Neurobiology \\
\hline & HPS 322: History of Science (HU \& H) \\
\hline & HPS 323: History of Science (HU \& H) \\
\hline & HPS 330: History of Biology: Conflicts and Controversies (H) \\
\hline & MIC 360: Bacterial Physiology \\
\hline & MIC 420: Immunology: Molecular and Cellular Foundations \\
\hline & MIC 485: General Virology \\
\hline & PLB 407: Plant Fossils and Evolution \\
\hline Additional Major Requirements Courses & \\
\hline BIO 303: Plant Diversity and Evolution (L or SG) & \\
\hline BIO 312: Bioethics (HU) & \\
\hline BIO 320: Fundamentals of Ecology & \\
\hline BIO 331: Animal Behavior & \\
\hline BIO 351: Developmental Biology & \\
\hline BIO 353: Cell Biology & \\
\hline BIO 360: Animal Physiology & \\
\hline BIO 370: Vertebrate Zoology & \\
\hline MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) & \\
\hline
\end{tabular}

\section*{Notes:}
- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 122
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

\section*{General Studies Awareness Requirements:}
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Secondary Education (Biological Sciences), BAE
School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus, Tempe campus, West campus
TEBIOBAE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline (4) BIO 181: General Biology I (SQ) & 4 & C & \multirow[b]{6}{*}{\begin{tabular}{l}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
- Mathematics Placement Assessmet score determines placement in mathematics course \\
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
- Select your career interest area and play me3@ASU.
\end{tabular}} \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
(-) ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & \\
\hline (4) TEL 101: Professional Educator Series: My Footprint & 1 & & \\
\hline CHM 113: General Chemistry I (SQ) & 4 & C & \\
\hline MAT 170: Precalculus (MA) & 3 & C & \\
\hline Term hours subtotal: & 15 & & \\
\hline Term 2-30 Credit Hours Critical course signified by \({ }^{(6)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline (4) BIO 182: General Biology II (SG) & 4 & C & \multirow[t]{7}{*}{- Join a student club or professional organization} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & \\
\hline (4) TEL 102: Professional Educator Series: My Network Footprint & 1 & C & \\
\hline CHM 116: General Chemistry II (SQ) & 4 & C & \\
\hline EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & C & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline \multicolumn{3}{|l|}{Term hours subtotal: 15} & \\
\hline Term 330-45 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{|c|c|}
\hline Minimum \\
Grade \\
\hline
\end{tabular} & Notes \\
\hline MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laborat (SG) OR MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) & 4 & C & - Develop your skills \\
\hline (4) TEL 201: Professional Educator Series: My Community Footprint & 1 & C & \\
\hline BIO 201: Human Anatomy and Physiology I (SG) OR BIO 360: Ani Physiology OR PLB 308: Plant Physiology & 4-3 & C & \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline \multicolumn{4}{|l|}{(4. Complete Mathematics (MA) requirement.} \\
\hline \multicolumn{3}{|l|}{Milestone: DPS Fingerprint Clearance Card.} & \\
\hline \multicolumn{4}{|l|}{Term hours subtotal: 15-14} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 4-59 Credit Hours Critical course signified by \({ }^{4}\) & Hours & Minimum Grade & Notes \\
\hline (4. TEL 202: Professional Educator Series: My Impact & 1 & C & \\
\hline BIO 320: Fundamentals of Ecology & 3 & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline BIO 340: General Genetics OR LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory & 4 & C & \multirow[t]{4}{*}{\begin{tabular}{l}
- Must complete at least 60 credits including prerequisite courses to progress into iTeachAZ. \\
- Develop your professional online presence
\end{tabular}} \\
\hline GCU 113: United States and Arizona Social Studies (SB \& H) & 3 & C & \\
\hline TEL 212: Understanding the Culturally Diverse Learner (C) & 3 & C & \\
\hline \multicolumn{3}{|l|}{(4) Milestone: Intent to Progress Online Form.} & \\
\hline \multicolumn{4}{|l|}{(7) Minimum 2.50 GPA ASU Cumulative.} \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 5-59-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SED 396: Clinical Experience I & 1 & C & \\
\hline SED 464: Middle-School Curr/Org & 3 & C & \\
\hline TEL 311: Instruction and Management in the Inclusive Classroom & 3 & C & \\
\hline BIO 345: Organic Evolution & 3 & C & \\
\hline BIO 370: Vertebrate Zoology OR BIO 385: Comparative Invertebrate Zoology OR PLB 300: Plant Diversity and Evolution (L or SG) OR BIO 386: General Entomology & 4 & C & \\
\hline EDP 313: Childhood and Adolescence (SB) & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 676-92 Credit Hours Necessary course signified by & Hours & \[
\begin{aligned}
& \text { Minimum } \\
& \text { Grade }
\end{aligned}
\] & Notes \\
\hline BLE 407: SEI for Secondary Students (L) & 3 & C & - Complete an in person or virtual \\
\hline SED 397: Clinical Experience II & 1 & C & practice interview \\
\hline SPE 417: Inclusion Practices at the Secondary Level & 3 & C & \\
\hline BIO 480: Methods of Teaching Biology OR SCN 494: Biology for Teachers & 3 & C & \\
\hline Elective or Science Education Course (see below) & 3 & & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline \multicolumn{4}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 792-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline RDG 323: Literacy Processes in Content Areas & 3 & C & \\
\hline SED 322: Classroom Leadership in Secondary Schools (L) & 3 & C & \\
\hline SED 482: Science Teaching Methods for Secondary Schools & 3 & C & \\
\hline \% SED 496: Clinical Experience III & 1 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
Elective or Science Education Course (see below)
\end{tabular} & 6 & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|}
\hline \begin{tabular}{l}
SED 478: Student Teaching: Secondary Educa \\
Minimum 2.50 GPA ASU Cumulative.
\end{tabular} \\
\hline Hide Course List(s)/Track Group(s) \\
\hline Science Education Electives \\
\hline SCN 205: Introduction to Tropical Ecology: A Cultural Exchange OR Elective \\
\hline SCN 209: Introduction to Environmental Education Project \\
\hline SCN 250: Physical Science by Inquiry (SQ) \\
\hline SCN 300: Foundations of Environmental Education \\
\hline SCN 301: Ecology and Natural History of the Sonoran Desert \\
\hline SCN 302: Environmental Education (L) \\
\hline SCN 303: Environmental Education Internship \\
\hline SCN 304: Sonoran Desert Flora \\
\hline SCN 305: Tropical Ecology: A Cultural Exchange \\
\hline SCN 307: Learning from Nature: Biomimicry and STEM \\
\hline SCN 308: Urban Environmental Education \\
\hline SCN 401: Sustainability Science, Technology, and Society \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Secondary Education (Chemistry), BAE
School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus, Tempe campus, West campus
TECHMBAE

\begin{tabular}{|c|c|c|c|}
\hline Term 4-60 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline TEL 202: Professional Educator Series: My Impact & 1 C \\
\hline GCU 113: United States and Arizona Social Studies (SB \& H) & 3 C \\
\hline PHY 101: Introduction to Physics (SQ) & 4 C \\
\hline Humanities, Arts and Design (HU) & 3 \\
\hline Milestone: Submit intent to progress form (online) & \\
\hline
\end{tabular}

Term hours subtotal: 15
Term 5 60-76 Credit Hours Necessary course signified by
EDP 313: Childhood and Adolescence (SB)
Hours
Minimum
Grade

Term hours subtotal:
16
\begin{tabular}{|c|c|c|c|}
\hline Term 676-92 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline BLE 407: SEI for Secondary Students (L) & 3 & C \\
\hline SED 397: Clinical Experience II & 1 & C \\
\hline SPE 417: Inclusion Practices at the Secondary Level & 3 & C \\
\hline BCH 361: Advanced Principles of Biochemistry OR CHM 302: Environmental Chemistry OR CHM 453: Inorganic Chemistry & 3 & C \\
\hline CHM 480: Methods of Teaching Chemistry & 3 & C \\
\hline Elective or Science Education Course (see below) & 3 & \\
\hline
\end{tabular}Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 792-108 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline R RDG 323: Literacy Processes in Content Areas & 3 & C & \\
\hline 5 SED 322: Classroom Leadership in Secondary Schools (L) & 3 & C & \\
\hline 1 SED 482: Science Teaching Methods for Secondary Schools & 3 & C & \\
\hline SED 496: Clinical Experience III & 1 & C & \\
\hline BCH 361: Advanced Principles of Biochemistry OR CHM 302: Environmental Chemistry OR CHM 453: Inorganic Chemistry & 3 & C & \\
\hline Elective or Science Education Course (see below) & 3 & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|}
\hline \begin{tabular}{l}
SED 478: Student Teaching: Secondary Educa \\
Minimum 2.50 GPA ASU Cumulative.
\end{tabular} \\
\hline Hide Course List(s)/Track Group(s) \\
\hline Science Education Electives \\
\hline SCN 205: Introduction to Tropical Ecology: A Cultural Exchange \\
\hline SCN 209: Introduction to Environmental Education Project \\
\hline SCN 250: Physical Science by Inquiry (SQ) \\
\hline SCN 300: Foundations of Environmental Education \\
\hline SCN 301: Ecology and Natural History of the Sonoran Desert \\
\hline SCN 302: Environmental Education (L) \\
\hline SCN 303: Environmental Education Internship \\
\hline SCN 304: Sonoran Desert Flora \\
\hline SCN 305: Tropical Ecology: A Cultural Exchange \\
\hline SCN 307: Learning from Nature: Biomimicry and STEM \\
\hline SCN 308: Urban Environmental Education \\
\hline SCN 401: Sustainability Science, Technology, and Society \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Secondary Education (Earth and Space Sciences), BAE}

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus, Tempe campus, West campus
EDESSBAE

- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Please note that by the end of term 4 you must have a minimum 2.50 cumulative GPA in order to progress into the iTeachAZ Program.
- Select your career interest area and play me3@ASU.


Term hours subtotal: 15
Term 4-60 Credit Hours Critical course signified by 4. Hours \(\left.\begin{array}{c|c|c|}\hline \text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes


16
\begin{tabular}{|c|c|c|c|}
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SED 396: Clinical Experience I & 1 & C & \\
\hline 3 SED 464: Middle-School Curr/Org & 3 & C & \\
\hline 5 TEL 311: Instruction and Management in the Inclusive Classroom & 3 & C & \\
\hline EDP 313: Childhood and Adolescence (SB) & 3 & C & \\
\hline GLG 310: Structural Geology & 3 & C & \\
\hline Elective or Science Education Course (see below) & 3 & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline
\end{tabular}
- Must complete at least 60 credits including all foundational coursework prior to progressing into iTeachAZ.
- Develop your professional online presence
Term 676 - 92 Credit Hours Necessary course signified by
BLE 407: SEI for Secondary Students (L)
IT
RDG 323: Literacy Processes in Content Areas

Term hours subtotal:
\begin{tabular}{|c|c|c|c|}
\hline GLG 301: Earth Science in Arizona and the Southwest & 3 & C & \\
\hline Elective or Science Education Course (see below) & 3 & & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SED 478: Student Teaching: Secondary Education (Grades 6-12) & 12 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 12 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
Science Education Electives
SCN 205: Introduction to Tropical Ecology: A Cultural Exchange

SCN 209: Introduction to Environmental Education Project

SCN 250: Physical Science by Inquiry (SQ)
SCN 300: Foundations of Environmental Education

SCN 301: Ecology and Natural History of the Sonoran Desert

SCN 302: Environmental Education (L)
SCN 303: Environmental Education Internship
SCN 304: Sonoran Desert Flora
SCN 305: Tropical Ecology: A Cultural Exchange

SCN 307: Learning from Nature: Biomimicry and STEM

SCN 308: Urban Environmental Education

SCN 401: Sustainability Science, Technology, and Society

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus, Tempe campus, West campus
TEENGBAE
\begin{tabular}{|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline (1) MAT 142: College Mathematics (MA) & 3 & C \\
\hline (4) TEL 101: Professional Educator Series: My Footprint & 1 & \\
\hline EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & C \\
\hline Term hours s & 14 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Please note that by the end of term 4 you must have a minimum 2.50 cumulative GPA in order to progress into the iTeachAZ Program.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 214-31 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Join a student club or professional organization \\
\hline TEL 102: Professional Educator Series: My Network Footprint & 1 & C & \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C & \\
\hline Global Awareness (G) & 3 & & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & C & \\
\hline Elective & 3 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3 31-47 Credit Hours Critical course signified by \({ }^{\text {! }}\) & Hours & Minimum Grade & Notes \\
\hline ENG 200: Critical Reading and Writing About Literature (L or HU) & 3 & C & - Develop your skills \\
\hline TEL 201: Professional Educator Series: My Community Footprint & 1 & C & \\
\hline ENG 221: Survey of English Literature (HU) & 3 & C & \\
\hline ENG 241: Literatures of the United States to 1860 ((L or HU) \& C) & 3 & C & \\
\hline TEL 212: Understanding the Culturally Diverse Learner (C) & 3 & C & \\
\hline Elective & 3 & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Milestone: DPS Fingerprint Clearance Card. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 447-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}


\section*{Term hours subtotal: \\ 16}
\begin{tabular}{|c|c|c|}
\hline Term 563-79 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline SED 396: Clinical Experience I & 1 & C \\
\hline SED 464: Middle-School Curr/Org & 3 & C \\
\hline TEL 311: Instruction and Management in the Inclusive Classroom & 3 & C \\
\hline EDP 313: Childhood and Adolescence (SB) & 3 & C \\
\hline ENG 312: English in its Social Setting (L or HU or SB) OR ENG 314: Modern Grammar OR ENG 323: Rhetoric and Grammar (L) & 3 & C \\
\hline ENG Elective & 3 & C \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline
\end{tabular}

Term hours subtotal: 16
Term 6 79-95 Credit Hours Necessary course signified by
BLE 407: SEI for Secondary Students (L)
Hours
Grade \(\mathbf{c}_{\text {Minimum }}\)

Complete Cultural Diversity in the U.S. (C) AND Global Awareness
(G) AND Historical Awareness (H) course(s).

Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 795-108 Credit Hours Necessary course signified by & Hours & \[
\begin{gathered}
\text { Minimum } \\
\text { Grade }
\end{gathered}
\] \\
\hline RDG 323: Literacy Processes in Content Areas & 3 & C \\
\hline SED 322: Classroom Leadership in Secondary Schools (L) & 3 & C \\
\hline S SED 496: Clinical Experience III & 1 & C \\
\hline ENG 482: Methods of Teaching English: Language (L) & 3 & C \\
\hline Elective & 3 & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8 108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SED 478: Student Teaching: Secondary Education (Grades 6-12) & 12 & C & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
Ethnic Literature Courses
ENG 333: American Ethnic Literature ((L or HU) \& C)

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) \& C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) \& C) ENG 359: Indigenous American Literature ((L or HU ) \& C)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) \& C)

ENG 364: Women and Literature (HU)
ENG 461: Studies in Women and Literature (HU)

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\author{
2018-2019 Major Map \\ Secondary Education (History), BAE \\ School/College: Mary Lou Fulton Teachers College Location: Polytechnic campus, Tempe campus, West campus TEHISBAE
}

\begin{tabular}{|c|c|c|c|}
\hline Term 4-63 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1.1 TEL 202: Professional Educator Series: My Impact & 1 & C & \multirow[t]{9}{*}{\begin{tabular}{l}
- Must complete at least 60 credits including foundational coursework to progress into iTeachAZ. \\
- Must have a minimum 2.50 GPA to progress into iTeachAZ. \\
- Develop your professional online presence
\end{tabular}} \\
\hline GCU 114: World Social Studies (SB \& G \& H) OR Elective & 3 & & \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C & \\
\hline TEL 212: Understanding the Culturally Diverse Learner (C) & 3 & C & \\
\hline Upper Division U.S. History & 3 & C & \\
\hline Elective & 3 & & \\
\hline \multicolumn{3}{|l|}{4 Milestone: Intent to Progress Online Form.} & \\
\hline \multicolumn{3}{|l|}{4. Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 563-79 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EDP 313: Childhood and Adolescence (SB) & 3 & C & \\
\hline 5 SED 396: Clinical Experience I & 1 & C & \\
\hline 3 SED 464: Middle-School Curr/Org & 3 & C & \\
\hline 1 TEL 311: Instruction and Management in the Inclusive Classroom & 3 & C & \\
\hline Upper Division U.S. History & 3 & C & \\
\hline HST Upper Division Elective & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 679-95 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline BLE 407: SEI for Secondary Students (L) & 3 & C & \multirow[t]{9}{*}{- Complete an in person or virtual practice interview} \\
\hline HST 480: Methods of Teaching History: Classroom Resources OR SED 480: Special Methods of Teaching Social Studies & 3 & C & \\
\hline W SED 397: Clinical Experience II & 1 & C & \\
\hline 5 SPE 417: Inclusion Practices at the Secondary Level & 3 & C & \\
\hline Upper Division Non-U.S. History & 3 & C & \\
\hline Upper Division U.S. History & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Complete Cultural Diversity in the U.S. (C) AND Global Awareness (G) AND Historical Awareness (H) course(s). & & & \\
\hline \multirow[t]{2}{*}{Term 795-108 Credit Hours Necessary course signified by} & \multicolumn{2}{|l|}{16} & \\
\hline & Hours & Minimum Grade & Notes \\
\hline R RDG 323: Literacy Processes in Content Areas & 3 & C & \\
\hline 5 SED 322: Classroom Leadership in Secondary Schools (L) & 3 & C & \\
\hline 3 SED 496: Clinical Experience III & 1 & C & \\
\hline HST 481: Methods of Teaching History: Community Resources & 3 & C & \\
\hline HST 495: Methods of Historical Inquiry (L) & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline \multicolumn{3}{|l|}{Academic Catalog Archive 2018-2019} & 4050 \\
\hline
\end{tabular}

Term hours subtotal: 13
\(\begin{array}{l}\text { Term } 8 \text { 108-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
Hide Course List(s)/Track Group(s)
U.S. History
AMS 412: The Bill of Rights and the US
Supreme Court
HST 303: Studies in Asian History (SB \& H)
HST 313: American Cultural History to 1865 \begin{tabular}{l} 
HST 304: Studies in European History (SB \& \\
(SB \& H)
\end{tabular}

HST 334: African American History Since 1865 ((HU or SB) \& C \& H)
\begin{tabular}{|c|c|}
\hline HST 337: American Indian History to 1900 ((HU or SB) \& C \& H) & HST 370: Eastern Europe in Transition (SB \& G \& H) \\
\hline HST 338: American Indian History since 1900 ((HU or SB) \& C \& H) & HST 372: Modern Middle East (SB \& G \& H) \\
\hline & HST 375: Colonial Latin America (SB \& H) \\
\hline HST 341: U.S. West 19th Century (SB \& H) & \\
\hline HST 342: U.S. West 20th Century (SB \& H) & HS 376 : Modern Latin America (SB \& H) \\
\hline HST 343: American Southwest ((L or SB) \& H) & HST 378: Latin American Women: The National Period (SB \& G \& H) \\
\hline & HST 383: China (SB \& H) \\
\hline HST 344: Arizona (SB \& H) & \\
\hline HST 405: Colonial American History to 1763
\[
(\mathrm{SB} \& \mathrm{H})
\] & HST 384: Modern China: 1700 to the Present (SB \& G \& H) \\
\hline & HST 387: Japan ((L or SB) \& H) \\
\hline HST 406: American Revolution/1763-1789
\[
(\mathrm{SB} \& \mathrm{H})
\] & HST 388: Japan (SB \& G \& H) \\
\hline HST 407: Early U.S. Republic/1789-1850 ((L or SB) \& H) & HST 391: Modern Southeast Asia (SB \& G \& H) \\
\hline HST 408: Civil War and Reconstruction ((L or SB) \& H) & HST 404: Conquest and Encounters in Colonial Latin America (L \& G) \\
\hline HST 409: Emergence Modern U.S. 1877-1918 & HST 419: 20th Century Chicano/a History (C) \\
\hline (SB \& H) & HST 423: The Tudor Monarchy (SB \& H) \\
\hline HST 410: Modern U.S., 1918 to1945 (SB \& H) & HST 424: The Stuart Monarchy (SB \& H) \\
\hline HST 411: Postwar U.S., 1945-1973 (SB \& H) & HST 426: The British Empire (H) \\
\hline HST 412: Contemporary U.S., 1973- Present ( \(\mathrm{SB} \& \mathrm{H}\) ) & HST 427: French Revolution/Napoleonic Era (SB \& H) \\
\hline HST 413: Contemporary America ((L or SB) & HST 428: Modern France (SB \& G \& H) \\
\hline \& H) & HST 429: Modern Germany (SB \& G \& H) \\
\hline HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) \& H \& C) & HST 430: The Ottoman Empire in the Classical Period \\
\hline HST 443: The United States and Latin America (SB \& G \& H) & HST 431: Eastern Europe and the Balkans, Pre-1914 (SB \& H) \\
\hline & HST 432: Eastern Europe the Balkans, 20th Century (G \& H) \\
\hline & HST 435: The Russian Empire (SB \& H) \\
\hline & HST 436: The Soviet Experiment (SB \& G \& H) \\
\hline & HST 439: Athenian Democracy (H) \\
\hline & HST 441: Latin America and the World Economy (L \& G \& H) \\
\hline & HST 443: The United States and Latin America (SB \& G \& H) \\
\hline & HST 445: 20th-Century Cuba (SB \& G \& H) \\
\hline & HST 447: Modern Mexico (SB \& H) \\
\hline
\end{tabular}
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HST 451: Chinese Cultural History I ((HU or
SB) \& H)

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HST 453: The People's Republic of China (SB
\& G \& H)
HST 454: History of Genocide (G \& H)

\section*{Total Hours: 120}

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Secondary Education (Mathematics), BAE
School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus, Tempe campus, West campus
TEMATBAE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-14 Credit Hours Critical course signified by \({ }^{4}\). & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses \\
\hline MAT 270: Calculus with Analytic Geometry I (MA) OR MAT 265: Calculus for Engineers I (MA) & 3-4 & C & - Mathematics Placement Assessment score determines placement into mathematics \\
\hline TEL 101: Professional Educator Series: My Footprint & 1 & & course \\
\hline \begin{tabular}{l}
SPE 222: Orientation to Education of Exceptional Children (SB \& \\
C)
\end{tabular} & 3 & C & - ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
\hline Natural Science - Quantitative (SQ) & 4 & C & - Please note that by the end of term 4 you \\
\hline Term hours subtotal: & 14-15 & & \begin{tabular}{l}
must have a minimum 2.50 cumulative GPA in order to progress into the iTeachAZ Program. \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline Term 214-28 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Join a student club or professional organization \\
\hline MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 266: Calculus for Engineers II (MA) & 3-4 & C & \\
\hline 1. TEL 102: Professional Educator Series: My Network Footprint & 1 & C & \\
\hline EGR 101: Foundations of Engineering Design Project I OR MAT 207: Algebra and Geometry in the High School AND MTE 210: Mentored Tutoring Internship & 3-4 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & C & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & & \\
\hline Term hours subtotal: & 14-16 & & \\
\hline Term 3-44 Credit Hours Critical course signified by \({ }^{\text {- }}\) & Hours & Minimum Grade & Notes \\
\hline MAT 272: Calculus with Analytic Geometry III (MA) OR MAT 267: Calculus for Engineers III (MA) & 3-4 & C & - Develop your skills \\
\hline TEL 201: Professional Educator Series: My Community Footprint & 1 & C & \\
\hline GCU 113: United States and Arizona Social Studies (SB \& H) & 3 & C & \\
\hline MAT 208: Discrete Mathematics for Secondary Teachers OR MAT 243: Discrete Mathematical Structures & 3 & C & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Elective & 3 & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Milestone: DPS Fingerprint Clearance Card. & & & \\
\hline
\end{tabular}


\(\begin{array}{l}\text { Term } 8 \text { 108-120 Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\author{
2018-2019 Major Map \\ Secondary Education (Physical Education), BAE
}

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus
ECPPEBAE


Milestone: Intent to Progress Online Form.
Term hours subtotal: 16
\begin{tabular}{|c|c|c|c|}
\hline Term 446-60 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 4 BIO 202: Human Anatomy and Physiology II (SG) & 4 & C & \multirow[t]{6}{*}{\begin{tabular}{l}
- Must complete at least 60 credits including foundational coursework to progress into iTeachAZ. \\
- Must have minimum 2.50 GPA to progress into iTeachAZ. \\
- Develop your professional online presence
\end{tabular}} \\
\hline 4. TEL 202: Professional Educator Series: My Impact & 1 & C & \\
\hline GCU 113: United States and Arizona Social Studies (SB \& H) & 3 & C & \\
\hline PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 230: Teaching Group Exercise OR PPE 235: Teaching Strength and Conditioning for Health & 2 & & \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & & \\
\hline Elective & 1 & & \\
\hline (1) Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Milestone: DPS Fingerprint Clearance Card. & & & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline PPE 397: Clinical Experience: Physical Education Secondary (Grades 6-12) & 2 & C & \multirow[t]{2}{*}{- Complete an in person or virtual practice interview} \\
\hline R RDG 323: Literacy Processes in Content Areas & 3 & C & \\
\hline PPE 320: Exercise Physiology Concepts for Physical Educators & 3 & C & \\
\hline PPE 455: Physical Education in the Secondary School & 3 & C & \\
\hline PPE 460: Adapted and Inclusive Physical Education & 3 & C & \\
\hline \begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular} & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 791 -106 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline PPE 477: Student Teaching: Physical Education Elementary (Grades 1-8) & 6 & C \\
\hline EDP 313: Childhood and Adolescence (SB) & 3 & C \\
\hline PPE 480: Professional Seminar for Physical Education & 3 & C \\
\hline PPE Elective & 3 & C \\
\hline
\end{tabular}

\footnotetext{
Minimum 2.50 GPA ASU Cumulative.
}
Term 8 106-120 Credit Hours Necessary course signified by
PPE 478: Student Teaching: Physical Education Secondary (Grades
6-12) Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Secondary Education (Physics), BAE
School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus, Tempe campus, West campus
EDPHYBAE
\begin{tabular}{|c|c|c|}
\hline Term 10-16 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or ENG 102: First-Year \\
4. Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition
\end{tabular} & 3 & C \\
\hline (1) MAT 270: Calculus with Analytic Geometry I (MA) & 4 & C \\
\hline (4) TEL 101: Professional Educator Series: My Footprint & 1 & \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C \\
\hline Humanities, Arts and Design (HU) AND Global Awareness (G) & 3 & \\
\hline Elective or Science Education Course (see below) & 2 & \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year Composition courses
- Mathematics Placement Assessment score determines placement into mathematics courses
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Please note that by the end of term 4 you must have a minimum 2.50 cumulative GPA in order to progress into the iTeachAZ Program.
- Select your career interest area and play me3@ASU.

\begin{tabular}{|c|c|c|}
\hline Term 446-60 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline 4 PHY 201: Mathematical Methods in Physics I (CS) & 3 & C \\
\hline 4 PHY 252: Physics III (SQ) & 4 & C \\
\hline 1. TEL 202: Professional Educator Series: My Impact & 1 & C \\
\hline EDP 313: Childhood and Adolescence (SB) & 3 & C \\
\hline TEL 212: Understanding the Culturally Diverse Learner (C) & 3 & C \\
\hline 4. Milestone: Intent to Progress Online Form. & & \\
\hline 4. Minimum 2.50 GPA ASU Cumulative. & & \\
\hline
\end{tabular}
- Moutarion foundational coursework to progress into iTeachAZ.
- Must have minimum 2.50 GPA to progress into iTeachAZ program.
- Develop your professional online presence
\begin{tabular}{|c|c|c|}
\hline Term 560-76 Credit Hours Necessary course signified by & Hours & Minimum Grade \\
\hline SED 396: Clinical Experience I & 1 & C \\
\hline 5 SED 464: Middle-School Curr/Org & 3 & C \\
\hline W TEL 311: Instruction and Management in the Inclusive Classroom & 3 & C \\
\hline PHY 302: Mathematical Methods in Physics II & 3 & C \\
\hline PHY 310: Classical Particles, Fields, and Matter I & 3 & C \\
\hline PHY 314: Quantum Physics I OR PHY 361: Introductory Modern Physics & 3 & C \\
\hline
\end{tabular}

Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal:
16
\begin{tabular}{|c|c|c|}
\hline Term 6 76-92 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline \(⿳\) PHY 480: Methods of Teaching Physics & 3 & C \\
\hline 3 SED 397: Clinical Experience II & 1 & C \\
\hline § SPE 417: Inclusion Practices at the Secondary Level & 3 & C \\
\hline BLE 407: SEI for Secondary Students (L) & 3 & C \\
\hline PHY 333: Electronic Circuits and Measurements & 3 & C \\
\hline Elective or Science Education Course (see below) & 3 & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} \\
\hline \multicolumn{3}{|l|}{} \\
\hline Term hours subtotal: & 16 & \\
\hline
\end{tabular}

Term 8 108-120 Credit Hours Necessary course signified by
SED 478: Student Teaching: Secondary Education (Grades 6-12)
Minimum 2.50 GPA ASU Cumulative.

Hide Course List(s)/Track Group(s)
Elective or Science Education Course
SCN 205: Introduction to Tropical Ecology: A Cultural Exchange

SCN 209: Introduction to Environmental Education Project

SCN 250: Physical Science by Inquiry (SQ)
SCN 300: Foundations of Environmental Education

SCN 301: Ecology and Natural History of the Sonoran Desert

SCN 302: Environmental Education (L)
SCN 303: Environmental Education Internship
SCN 304: Sonoran Desert Flora
SCN 305: Tropical Ecology: A Cultural
Exchange
SCN 307: Learning from Nature: Biomimicry and STEM

SCN 308: Urban Environmental Education

SCN 401: Sustainability Science, Technology, and Society

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

Secondary Education (Political Science), BAE
School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus, Tempe campus, West campus TEPOLBAE
\begin{tabular}{|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline (1) MAT 142: College Mathematics (MA) & 3 & C \\
\hline (1) TEL 101: Professional Educator Series: My Footprint & 1 & \\
\hline POS 110: American Government and Politics (SB) OR POS 310: American National Government (SB) & 3 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Term & 13 & \\
\hline
\end{tabular}

\section*{Notes}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Please note that by the end of term 4 you must have a minimum 2.50 cumulative GPA in order to progress into the iTeachAZ Program.
- Select your career interest area and play me3@ASU.
\begin{tabular}{|c|c|c|c|}
\hline Term 213-30 Credit Hours Critical course signified by \({ }^{\text {d }}\) & Hours & Minimum Grade & Notes \\
\hline \begin{tabular}{l}
ENG 101 or ENG 102: First-Year Composition OR \\
ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition
\end{tabular} & 3 & C & - Join a student club or professional organization \\
\hline TEL 102: Professional Educator Series: My Network Footprint & 1 & C & \\
\hline POS 150: Comparative Government (SB \& G) OR POS 160: Global Politics (SB \& G) & 3 & C & \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) & 3 & C & \\
\hline POS Elective & 3 & C & \\
\hline Natural Science - Quantitative (SQ) & 4 & & \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & - & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 3 30-47 Credit Hours Critical course signified by & Hours & Minimum Grade & Notes \\
\hline 1. POS 210: Political Ideologies (SB) & 3 & C & \multirow[t]{2}{*}{- Develop your skills} \\
\hline 1. TEL 201: Professional Educator Series: My Community Footprint & 1 & C & \\
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & C & \\
\hline EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & C & \\
\hline GCU 113: United States and Arizona Social Studies (SB \& H) & 3 & C & \\
\hline Humanities, Arts and Design (HU) & 3 & & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 47-63 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline 4 TEL 202: Professional Educator Series: My Impact & 1 & C & \multirow{9}{*}{\begin{tabular}{l}
- Must complete at least 60 credits including foundational coursework to progress into iTeachAZ. \\
- Must have minimum 2.50 ASU GPA to progress into iTeachAZ program. \\
- Develop your professional online presence
\end{tabular}} \\
\hline GCU 114: World Social Studies (SB \& G \& H) & 3 & C & \\
\hline TEL 212: Understanding the Culturally Diverse Learner (C) & 3 & C & \\
\hline POS Upper Division Elective & 3 & C & \\
\hline POS Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline (1) Milestone: Intent to Progress Online Form. & & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 5 63-79 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EDP 313: Childhood and Adolescence (SB) & 3 & C & \\
\hline 5 SED 396: Clinical Experience I & 1 & C & \\
\hline 3 SED 464: Middle-School Curr/Org & 3 & C & \\
\hline 5 TEL 311: Instruction and Management in the Inclusive Classroom & 3 & C & \\
\hline \begin{tabular}{l}
Complete 2 courses: \\
POS Upper Division Elective
\end{tabular} & 6 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 679-95 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline \% BLE 407: SEI for Secondary Students (L) & 3 & C & \multirow[t]{9}{*}{- Complete an in person or virtual practice interview} \\
\hline 2 SED 397: Clinical Experience II & 1 & C & \\
\hline SED 480: Special Methods of Teaching Social Studies & 3 & C & \\
\hline 15 SPE 417: Inclusion Practices at the Secondary Level & 3 & C & \\
\hline POS 301: Empirical Political Inquiry (SB) & 3 & C & \\
\hline POS Upper Division Elective & 3 & C & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours subtotal: & 16 & & \\
\hline Term 795-108 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline R RDG 323: Literacy Processes in Content Areas & 3 & C & \\
\hline SED 322: Classroom Leadership in Secondary Schools (L) & 3 & C & \\
\hline SED 496: Clinical Experience III & 1 & C & \\
\hline HST 481: Methods of Teaching History: Community Resources & 3 & C & \\
\hline Elective & 3 & & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 13 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 8108-120 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline W SED 478: Student Teaching: Secondary Education (Grades 6-12) & 12 & C & \\
\hline \multicolumn{3}{|l|}{Minimum 2.50 GPA ASU Cumulative.} & \\
\hline Term hours sub & 12 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Secondary Education (Spanish), BAE}

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus, Tempe campus, West campus
TESPABAE
\begin{tabular}{|c|c|c|c|}
\hline Term 10-15 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade & Notes \\
\hline ENG 101 or ENG 102: First-Year Composition OR (4. ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C & - An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into \\
\hline SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish for Bilinguals (G) & 4 & C & - Mathematics Placement Assessment score determines placement in mathematics \\
\hline (4) TEL 101: Professional Educator Series: My Footprint & 1 & & course \\
\hline EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & & - ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students \\
\hline MAT 142: College Mathematics (MA) & 3 & C & - Language Placement exam required. For \\
\hline Elective & 1 & & more information, please see ASU \\
\hline Term hours subtotal: & 15 & & \begin{tabular}{l}
Language Placement Testing. \\
- Consult with advisor regarding registration in appropriate Spanish course based on test scores \\
- Select your career interest area and play me3@ASU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Term 215-30 Credit Hours Critical course signified by \({ }^{4}\) & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline 4. SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish for Bilinguals (G) & 4 & C \\
\hline (4. TEL 102: Professional Educator Series: My Network Footprint & 1 & C \\
\hline Humanities, Arts and Design (HU) & 3 & \\
\hline Natural Science - Quantitative (SQ) & 4 & C \\
\hline Complete ENG 101 OR ENG 105 OR ENG 107 course(s). & & \\
\hline Term hours su & 15 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Term 3 30-47 Credit Hours Critical course signified by \({ }^{(1)}\) & Hours & Minimum Grade & Notes \\
\hline
\end{tabular}
4. SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory

3
CTEL 201: Professional Educator Series: My Community Footprint
1
GCU 113: United States and Arizona Social Studies (SB \& H)
3
3
\(-\)
Advanced Spanish I for Bilinguals (C)
TEL 212: Understanding the Culturally Diverse Learner (C)
3

4 (SG)

Complete Mathematics (MA) requirement.
- Join a student club or professional organization
- Develop your skills

Term hours subtotal: 17

\begin{tabular}{|c|c|c|c|}
\hline Term 679-95 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline B BLE 407: SEI for Secondary Students (L) & 3 & C & \multirow[t]{2}{*}{- Complete an in person or virtual practice interview} \\
\hline 25 SED 397: Clinical Experience II & 1 & C & \\
\hline
\end{tabular}
SLC 480: Methods of Teaching Foreign Languages \(\quad 3 \quad 1\)

Complete Cultural Diversity in the U.S. (C) AND Global Awareness

(G) AND Historical Awareness (H) course(s).

Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal: 16
\(\begin{array}{l}\text { Term } 795 \text { - } 108 \text { Credit Hours Necessary course signified by }\end{array}\) Hours \(\left.\begin{array}{c}\text { Minimum } \\ \text { Grade }\end{array}\right]\) Notes
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{2}{|l|}{Term hours subtotal: 13} & 13 \\
\hline Term 8108-120 Credit Hours Necessary cours & signified by & Hours & Minimum Grade \\
\hline \multicolumn{2}{|l|}{SED 478: Student Teaching: Secondary Education (Grades 6-12)} & 12 & C \\
\hline \multicolumn{4}{|l|}{Minimum 2.50 GPA ASU Cumulative.} \\
\hline \multirow[b]{2}{*}{Hide Course List(s)/Track Group} & Term hours subtotal: & \multirow[t]{2}{*}{12} & \\
\hline & & & \\
\hline Upper Division Spanish Civilization Courses & \multicolumn{3}{|l|}{Upper Division Spanish Literature Courses} \\
\hline \begin{tabular}{l}
SPA 471: Civilization of the \\
Indohispanomexicano Southwest ((L or HU)
\end{tabular} & \multicolumn{3}{|l|}{SPA 426: Literature and Society in Modern Spain (HU)} \\
\hline \& C) & \multicolumn{3}{|l|}{\multirow[t]{2}{*}{SPA 427: Colonial and Postcolonial Latin American Literature (L or HU)}} \\
\hline SPA 472: Latin American Society: Five Case Studies (HU \& H \& G) & & & \\
\hline SPA 473: Old and New Spaniards: Culture and Civilization of Spain ((HU or SB) \& G) & \multicolumn{3}{|l|}{American Literature Since Modernismo ((L or HU) \& G)} \\
\hline & \multicolumn{3}{|l|}{SPA 429: Writing Mexico: Major Texts ((L or \(\mathrm{HU}) \& \mathrm{G})\)} \\
\hline
\end{tabular}

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

\section*{First-Year Composition}

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{2018-2019 Major Map}

\section*{Special Education and Elementary Education, BAE}

School/College: Mary Lou Fulton Teachers College
Location: Polytechnic campus, Tempe campus, West campus
TESPEBAE
\begin{tabular}{|c|c|c|}
\hline Term 10-13 Credit Hours Critical course signified by \({ }^{(4)}\) & Hours & Minimum Grade \\
\hline ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition & 3 & C \\
\hline (1) MAT 142: College Mathematics (MA) & 3 & C \\
\hline (4) TEL 101: Professional Educator Series: My Footprint & 1 & \\
\hline EDT 180: Technology Literacy: Problem Solving using Digital Technology Applications (CS) & 3 & C \\
\hline Foreign Language Elective or Art, Dance, Music, Theater, Film, or Design Elective & 3 & C \\
\hline Minimum 2.50 GPA ASU Cumulative. & & \\
\hline Term hours subtotal: & 13 & \\
\hline
\end{tabular}
- An SAT, ACT, Accuplacer, IELTS, or TOEFL score determines placement into first-year composition courses
- Mathematics Placement Assessment score determines placement in mathematics course
- ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
- Please note that by the end of term 4 you must have a minimum 2.50 cumulative GPA in order to progress into the iTeachAZ Program.
- Select your career interest area and play me3@ASU.
- Please select an elective course from either the Foreign Language track list or the Art, Dance, Music, Theater, Film, or Design track list below.

\begin{tabular}{|c|c|c|c|}
\hline Natural Science - Quantitative (SQ) OR Natural Science - General (SG) & 4 & C & \\
\hline Complete Mathematics (MA) requirement. & & & \\
\hline Milestone: DPS Fingerprint Clearance Card. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline Term 444-60 Credit Hours Critical course signified by \({ }^{\text {a }}\) & Hours & Minimum Grade & Notes \\
\hline MTE 281: Investigating Space: Geometry, Measurement, and Visualization & 3 & C & - Must complete 60 credits including foundational courses to progress into \\
\hline SPE 222: Orientation to Education of Exceptional Children (SB \& C) OR RDG 291: Children's Literature (HU) OR TEL 215: Introduction to Child and Adolescent Development (SB) & 3 & C & \begin{tabular}{l}
ITeachAZ. \\
- Develop your professional online presence
\end{tabular} \\
\hline 4 TEL 202: Professional Educator Series: My Impact & 1 & C & \\
\hline GCU 113: United States and Arizona Social Studies (SB \& H) & 3 & C & \\
\hline Science Education Elective & 3 & C & \\
\hline Elective & 3 & & \\
\hline 4. Milestone: Intent to Progress Online Form. & & & \\
\hline
\end{tabular}
Term 5 60 - 77 Credit Hours Necessary course signified by \(\quad\) Hours \begin{tabular}{c} 
Minimum \\
Grade
\end{tabular}

\section*{Minimum 2.50 GPA ASU Cumulative.}

Term hours subtotal: 17
\begin{tabular}{|c|c|c|c|}
\hline Term 677-94 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline EED 324: Social Studies in Elementary Schools & 3 & C & \multirow[t]{9}{*}{- Complete an in person or virtual practice interview} \\
\hline W EED 397: Clinical Experience II & 2 & C & \\
\hline EED 411: Science in Elementary Schools & 3 & C & \\
\hline 1 SPE 323: Behavioral Strategies for All Students & 3 & C & \\
\hline SPE 325: Language Literacy 1 in Elementary Schools & 3 & C & \\
\hline \(\%\) SPE 410: Mathematics in Elementary Schools & 3 & C & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Complete Cultural Diversity in the U.S. (C) AND Global Awareness \\
(G) AND Historical Awareness (H) course(s).
\end{tabular}} & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 794-111 Credit Hours Necessary course signified by & Hours & \begin{tabular}{l}
Minimum \\
Grade
\end{tabular} & Notes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline EED 478: Student Teaching: Elementary School (Grades 1-8) & 8 & C & \\
\hline SPE 321: Classroom and SPE Assessment & 3 & C & \\
\hline SPE 423: Methods of Cross-Categorical Special Education I & 3 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 17 & & \\
\hline Term 8111-125 Credit Hours Necessary course signified by & Hours & Minimum Grade & Notes \\
\hline SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth & 3 & C & \\
\hline SPE 424: Methods of Cross-Categorical Special Education II & 3 & C & \\
\hline § SPE 478: Student Teaching: Special Education (Grades K-8) & 8 & C & \\
\hline Minimum 2.50 GPA ASU Cumulative. & & & \\
\hline Term hours subtotal: & 14 & & \\
\hline
\end{tabular}

Hide Course List(s)/Track Group(s)
\begin{tabular}{|c|c|c|}
\hline Science Education Electives & \multirow[t]{2}{*}{Art, Dance, Music, Theater, Film, or Design Electives} & Foreign Language Electives \\
\hline \multirow[t]{2}{*}{SCN 205: Introduction to Tropical Ecology: A Cultural Exchange} & & ARB Elective \\
\hline & ADE Elective & \\
\hline \multirow[t]{3}{*}{SCN 209: Introduction to Environmental Education Project} & \multirow[t]{2}{*}{AME Elective} & \\
\hline & & CHI Elective \\
\hline & ARA Elective & \\
\hline SCN 250: Physical Science by Inquiry (SQ) & \multirow[t]{2}{*}{ARE Elective} & FRE Elective \\
\hline \multirow[t]{2}{*}{SCN 300: Foundations of Environmental Education} & & GER Elective \\
\hline & ARS Elective & HEB Elective \\
\hline \multirow[t]{2}{*}{SCN 301: Ecology and Natural History of the Sonoran Desert} & ART Elective & NN Elective \\
\hline & DAH Elective & IDN Elective \\
\hline \multirow[t]{2}{*}{SCN 302: Environmental Education (L)} & \multirow[b]{2}{*}{DCE Elective} & ITA Elective \\
\hline & & JPN Elective \\
\hline SCN 303: Environmental Education Internship & DSC Elective & \\
\hline SCN 304: Sonoran Desert Flora & \multirow[b]{2}{*}{ERM Elective} & KOR Elective \\
\hline \multirow[b]{2}{*}{SCN 305: Tropical Ecology: A Cultural Exchange} & & LAT Elective \\
\hline & FMP Elective & PLC Elective \\
\hline \multirow[b]{2}{*}{SCN 307: Learning from Nature: Biomimicry and STEM} & FMS Elective & POR Elective \\
\hline & IAP Elective & ROM Elective \\
\hline \multirow[t]{2}{*}{SCN 308: Urban Environmental Education} & IND Elective & \\
\hline & \multirow[t]{2}{*}{INT Elective} & RUS Elective \\
\hline \multirow[t]{8}{*}{SCN 401: Sustainability Science, Technology, and Society} & & SHS Elective \\
\hline & MHL Elective & SLV Elective \\
\hline & \multirow[t]{2}{*}{MTC Elective} & \\
\hline & & SPA Elective \\
\hline & MUE Elective &  \\
\hline & \multirow[t]{2}{*}{MUP Elective} & THA Elective \\
\hline & & VTN Elective \\
\hline & MUS Elective & \\
\hline
\end{tabular}
REL Elective
THE Elective
THP Elective

Total Hours: 125
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

\section*{General University Requirements Legend}

General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2018-2019 academic year.

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Accountancy, BS Pathway

\section*{2018-2019}

ASU Major: Accountancy, BS | W. P. Carey School of Business

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
ECN 212: Microeconomic Principles

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

This degree program requires meeting W. P. Carey Bachelor of Science requirements.

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

In addition to a minimum 3.00 cumulative transfer GPA, students must meet one of the following for admission to the W. P. Carey Bachelor of Science degree program: SAT (math and critical reading sections only) score of 1230 (after March 2016) or 1160 (prior to March 2016), OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses \((A=4.00)\).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business (ABUS-GR) and AGEC-B, meets majo map requirements at ASU, and guarantees admission to the university and admission to W.P. Carey Bachelo of Science degree. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BS program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all cumulative transfer GPA includes al college coursework completed at regionally accredited institutions
higher education. Students are higher education. Students are
responsible for confirming all transfer responsible for confirming all transfer
transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Only 64 credits are transferrable to ASU. Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
Additional Lower Division Requirements
ACC 111: Accounting Principles I and
ACC 230: Uses of Accounting Information
and
ACC 240: Uses of Accounting Information
OR
ACC 111: Accounting Principles I and
ACC 112: Accounting Principles II and
ACC 212: Managerial Accounting OR
ACC 211: Financial Accounting and
ACC 212: Managerial Accounting
MAT 217: Mathematical Analysis for
Business or
MAT 218: Mathematical Analysis for
Business
GBS 221: Business Statistics
GBS 205: LEGAL, ETHICAL/REGULATORY
ISSUES/BUS
COM 100: Introduction to Human Communication or
COM 230: Small Group Communication
Lower Division Elective

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Actuarial Science, BS Pathway

\section*{2018-2019}

ASU Major: Actuarial Science, BS | College of Liberal Arts and Sciences
\end{abstract}

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles


Natural Science [SQ, SG]
Natural Science [SQ, SG]

\(\qquad\)

Natural Science [SQ, SG]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees requission to the Actuarial Science BS admission to the Actuarial Science BS degree program.

Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. Students must pass ECN 211, ECN 212, MAT 221, MAT 231 and MAT 241 with a grade of \(B\) or better.

Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
\begin{tabular}{l|l|l} 
COM 100: Introduction to Human Communication or & 0 hrs & Met by COM 225 in Literacy \& Critical Inquiry. \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent. \\
CRE 101: College Critical Reading & &
\end{tabular}

Additional Lower Division Requirements MAT 230: Calculus with Analytic Geometry II or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III or
MAT 241: Calculus with Analytic Geometry III
Lower Division Elective

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Aerospace Engineering (Aeronautics), BSE Pathway

\section*{2018-2019}
\end{abstract}

ASU Major: Aerospace Engineering (Aeronautics), BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Engineering Core} \\
\hline ENG 101: First-Year Composition OR & & \\
\hline \multicolumn{3}{|l|}{ENG 107: First-Year Composition for ESL} \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
ENG 102: First-Year Composition OR \\
ENG 108: First-Year Composition for ESL
\end{tabular}} \\
\hline ECE 102: Engineering Analysis Tools an and ECE 103: Engineering Problem Solving a & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
MAT 221: Calculus with Analytic Geometry I or \\
MAT 220: Calculus with Analytic Geometry I
\end{tabular}} \\
\hline \begin{tabular}{l}
MAT 231: Calculus with Analytic Geometry II or \\
MAT 230: Calculus with Analytic Geometry II
\end{tabular} & & \\
\hline \begin{tabular}{l}
MAT 241: Calculus with Analytic Geometry III or \\
MAT 240: Calculus with Analytic Geometry III
\end{tabular} & & \\
\hline MAT 277: Modern Differential Equations or \(\quad 3-4\) hrs MAT 276: Modern Differential Equations & & \\
\hline CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR & & \\
\hline \multicolumn{3}{|l|}{CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR} \\
\hline \multicolumn{3}{|l|}{CHM 150AA: General Chemistry I OR} \\
\hline \multicolumn{3}{|l|}{CHM 151AA: General Chemistry I} \\
\hline CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory & & \\
\hline \begin{tabular}{l}
PHY 121: UNIVERSITY PHYSICS I: \\
MECHANICS or \\
PHY 115: University Physics I
\end{tabular} & & \\
\hline PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II & & \\
\hline Humanities, Arts, and Design and AGEC Awareness Areas & 3 hrs & Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement(s). \\
\hline Social-Behavioral Science and AGEC Awareness Areas & 3 hrs & Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement(s). \\
\hline
\end{tabular}

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements for the Aerospace Engineering (Aeronautics) degree program. A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While requirements listed will meet ASU requirements listed will meet ASU degree requirements, only 64 cre
hours are transferable to ASU.

Note: Students interested in completing the BSE Aerospace Engineering (Aeronautics) degree with two additional years at ASU, must complete MAE 242 (Intro to Fluid Mechanics) and MAE 384 through dual-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.
\begin{tabular}{|c|c|c|}
\hline MAT 225: Elementary Linear Algebra & & Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU. \\
\hline ECE 211: Engineering Mechanics-Statics & 3 hrs & \\
\hline ECE 212: Engineering Mechanics-Dynamics & 3 hrs & \\
\hline ECE 215: Mechanics of Materials & 3 hrs & \\
\hline ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering La & 3 hrs & \\
\hline ECE 105: MATLAB Programming OR & 1-3 hrs & \\
\hline CSC 110: Introduction to Computer Scie & & \\
\hline EEE 202: Circuits and Devices & 0.5 hrs & \\
\hline Humanities, Arts, and Design & 0-3 hrs & \\
\hline Social-Behavioral Science & 0-3 hrs & \\
\hline
\end{tabular}

Total Required Credits: 63

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Aerospace Engineering (Astronautics), BSE Pathway
2018-2019
\end{abstract}

ASU Major: Aerospace Engineering (Astronautics), BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}
Engineering Core
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
ECE 102: Engineering Analysis Tools an and
ECE 103: Engineering Problem Solving a
MAT 221: Calculus with Analytic Geometry I
or
MAT 220: Calculus with Analytic Geometry I
MAT 231: Calculus with Analytic Geometry II
or
MAT 230: Calculus with Analytic Geometry II
MAT 241: Calculus with Analytic Geometry III
or
MAT 240: Calculus with Analytic Geometry III
MAT 277: Modern Differential Equations or
MAT 276: Modern Differential Equations
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I OR

CHM 151. General Chemisty I or
CHM 151LL: General Chemistry I Laboratory OR

CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry I
Laboratory OR
CHM 152AA: General Chemistry II
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS or
PHY 115: University Physics I

PHY 131: University Physics II: Electricity
and Magnetism or
PHY 116: University Physics II

Humanities, Arts, and Design [HU] and 3 hrs
General Education Awareness Areas [C, H, G]
Social-Behavioral Science [SB] and
General Education Awareness Areas [C, H, G]

Take one course that satisfies Humanities, Arts and Design AND an Awareness Area requirement.
Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meet ASU major map requirements for the Aerospace Engineering (Astronautics) degree program. A 3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed required. All courses must be comp with a grade of " \(C\) " or better. While with a grade of "C" or better. While
requirements listed will meet ASU requirements listed will meet ASU
degree requirements, only 64 credit hours are transferable to ASU.

Note: Students interested in completing the BSE Aerospace Engineering (Astronautics) degree with two additional years at ASU, must complete MAE 242 (Intro to Fluid Mechanics) and MAE 384 through concurrent-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at
(480)965-2335 to meet with an
academic advisor upon enrollment into a MAPP at the community college.
\begin{tabular}{|c|c|c|c|}
\hline MAT 225: Elementary Linear Algebra & & 3 hrs & Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU. \\
\hline ECE 211: Engineering Mechanics-Statics & 3 hrs & & \\
\hline ECE 212: Engineering Mechanics-Dynamics & 3 hrs & & \\
\hline ECE 215: Mechanics of Materials & 3 hrs & & \\
\hline ECE 105: MATLAB Programming or CSC 110: Introduction to Computer Scie & 1-3 hrs & & \\
\hline ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering La & 3 hrs & & \\
\hline EEE 202: Circuits and Devices & 0-5 hrs & & \\
\hline Humanities, Arts, and Design [HU] & 0-3 hrs & & \\
\hline Social-Behavioral Science [SB] & 0-3 hrs & & \\
\hline
\end{tabular}

Total Required Credits: 63

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Aerospace Engineering (Autonomous Vehicle Systems), BSE Pathway
2018-2019

ASU Major: Aerospace Engineering (Autonomous Vehicle Systems), BSE | Ira A. Fulton Schools of Engineering

Pathway Requirements
Engineering Core
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
ECE 102: Engineering Analysis Tools an and
ECE 103: Engineering Problem Solving a
MAT 221: Calculus with Analytic Geometry I
or
MAT 220: Calculus with Analytic Geometry I
MAT 231: Calculus with Analytic Geometry II
or
MAT 230: Calculus with Analytic Geometry II
MAT 241: Calculus with Analytic Geometry III
or
MAT 240: Calculus with Analytic Geometry III
MAT 277: Modern Differential Equations or
MAT 276: Modern Differential Equations
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS or
PHY 115: University Physics I
PHY 131: University Physics II: Electricity
and Magnetism or
PHY 116: University Physics II
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR

CHM 150AA: General Chemistry I OR
CHM 151: General Chemistry I or
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
\begin{tabular}{|c|c|c|}
\hline Humanities, Arts, and Design and AGEC Awareness Areas & 3 hrs & Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement. \\
\hline Social-Behavioral Science and AGEC Awareness Areas & 3 hrs & Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement. \\
\hline
\end{tabular}

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway (MAPP) and all special requirements meets ASU major map requirements for the Aerospace Engineering (Autonomous Vehicle Systems) degree program. A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of " C " or better. While requirements listed will better. While requirements listed will 64 credit hours are transferable to ASU.

Note: Students interested in completing the BSE Aerospace Engineering (Autonomous Vehicle Systems) degree with two additional years at ASU, must complete MAE 242 (Intro to Fluid Mechanics) and MAE 384 through dual-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college
\begin{tabular}{|c|c|c|c|}
\hline MAT 225: Elementary Linear Algebra & & 3 hrs & Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU. \\
\hline ECE 211: Engineering Mechanics-Statics & 3 hrs & & \\
\hline ECE 212: Engineering Mechanics-Dynamics & 3 hrs & & \\
\hline ECE 215: Mechanics of Materials & 3 hrs & & \\
\hline ECE 216: Computer-Aided Engineering or ECE 216LL: Computer-Aided Engineering La & 3 hrs & & \\
\hline ECE 105: MATLAB Programming or CSC 110: Introduction to Computer Science (Java) & 1-3 hrs & & \\
\hline EEE 202: Circuits and Devices & \(0-5 \mathrm{hrs}\) & & \\
\hline Humanities, Arts, and Design & \(0-3 \mathrm{hrs}\) & & \\
\hline Social-Behavioral Science & \(0-3 \mathrm{hrs}\) & & \\
\hline
\end{tabular}

Total Required Credits: 63

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
African and African American Studies, BA Pathway
2018-2019
\end{abstract}

ASU Major: African and African American Studies, BA | College of Liberal Arts and Sciences

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Analysis
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Social-Behavioral Science [SB]
Social-Behavioral Science OR
AFR 202: Ethnic Relations in the U.S.
Social-Behavioral Science
Natural Science [SQ, SG]
Natural Science

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

0 hrs 3 hrs [H] satisfied by AFR 202
3 hrs [C] satisfied by AFR 202

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the African and African American Studies B.A. degree program American Studies B.A. degree program in either the African Studies or African Diaspora Studies.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 110: Interpersonal Comm
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
Lower Division Second Language:
Requirement satisfied through the following:
Completion of a language course at the
intermediate level (202 or equivalent),
including American Sign Language IV.
\begin{tabular}{ll} 
Related Area Course & \begin{tabular}{l}
3 hrs \\
Select one course that transfers to ASU as a \\
course equivalent or department elective (DEC) \\
in the following ASU prefixes: AFS, AFR, or
\end{tabular} \\
AFH; or select one of the following courses: ASB \\
202, ENH 110, ENH 114 HIS 204, HUM 214 , or \\
HUM 260. You may select specific courses from \\
the Course Equivalency Guide that satisfy these \\
criteria. Determination is made based on the \\
semester and year the course is taken.
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

Maricopa Community College District
American Indian Studies, BS Pathway

\section*{2018-2019}

ASU Major: American Indian Studies, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the American Indian Studies B.S. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Analysis 3 hrs

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
Social-Behavioral Science
Social-Behavioral Science

Natural Science [SQ, SG]
Natural Science

Natural Science
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3 \mathrm{hrs}\) Complete CRE 101 or equivalent.


Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Anthropology, BA Pathway
\end{abstract}

\section*{2018-2019}

ASU Major: Anthropology, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Anthropology B.A. degree program

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

PSY 230: Introduction to Statistics OR 3 hrs Fulfills Computer/Statistics/Quantitative
MAT 206: Elements of Statistics OR
SWU 225: Statistics for Social Research/Justice and Government
Humanities, Arts, and Design [HU]
ASB 222: BURIED CITIES/LOST
TRIBES:OLD OR
ASB 223: BURIED CITIES/LOST
TRIBES:NEW
Humanities, Arts, and Design


Social-Behavioral Science [SB]
ASB 102: INTRO/CULTURAL \& SOCIAL
ANTHR
Social-Behavioral Science

Natural Science [SQ, SG]
ASM 104: Bones, Stones, and Human Evol
Natural Science

MCCCD Additional Requirements COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
Additional Lower Division Requirements
Lower Division Second Language:
Requirement satisfied through the following:
Completion of a language course at the
intermediate level (202 or equivalent),
including American Sign Language IV.
Lower Division Elective

Total Required Credits: 60

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Applied Biological Sciences (Applied Biological Sciences), BS Pathway 2018-2019
}

ASU Major: Applied Biological Sciences (Applied Biological Sciences), BS | College of Integrative Sciences and Arts

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus OR
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
Social-Behavioral Science
Social-Behavioral Science
Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I
BIO 182: General Biology (Majors) II

Social-Behavioral Science [SB]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Biological Sciences (Applied Biological Sciences) B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR & & \\
\hline \multicolumn{3}{|l|}{CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR} \\
\hline \multicolumn{3}{|l|}{CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I} \\
\hline CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR & & \\
\hline \multicolumn{3}{|l|}{CHM 152AA: General Chemistry II} \\
\hline \begin{tabular}{l}
PHY 101: Introduction to Physics OR \\
PHY 111: General Physics I and PHY 112: General Physics II
\end{tabular} & 4-8 hrs & Students considering Graduate school or health professions should complete the PHY 111 and PHY 112 sequence. All other students will complete PHY 101 and elective hours. \\
\hline \begin{tabular}{l}
CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR \\
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L and CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA Laboratory
\end{tabular} &  & Students considering graduate school or health professions should complete the following: CHM 235, 235LL, 236, and 236LL (instead of CHM 230 and 230LL). \\
\hline Lower Division Elective & 0-9 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Applied Biological Sciences (Natural Resource Ecology), BS Pathway 2018-2019
\end{abstract}

ASU Major: Applied Biological Sciences (Natural Resource Ecology), BS | College of Integrative Sciences and Arts

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus OR
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
\begin{tabular}{ll} 
Social-Behavioral Science [SB] \\
Social-Behavioral Science
\end{tabular}
Social-Behavioral Science
Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I
BIO 182: General Biology (Majors) II

Social-Behavioral Science [SB]

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Biological Sciences (Natural Resource Ecology) B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
ABS 274: Introduction to Wildlife Management or
BIO 274: Introduction to Wildlife Management OR \begin{tabular}{l} 
4 hrs
\end{tabular} \begin{tabular}{l} 
Students in the Wildlife Track should take \\
ABS 260: Soils \\
AGIO 274. Students in the \\
Rangelands/Watershed Track should take AGS \\
BIO 207: Applied Plant Taxonomy
\end{tabular}

Total Required Credits: 64

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Applied Biological Sciences (Preveterinary Medicine), BS Pathway
2018-2019
\end{abstract}

ASU Major: Applied Biological Sciences (Preveterinary Medicine), BS | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry
Literacy and Critical Inquiry
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Mathematical Studies [MA, CS]} \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{MAT 212: Brief Calculus or MAT 213: Brief Calculus OR}} & 3-5 hrs & MAT220 or MAT221 recommended because it \\
\hline & & (3) & meets the prerequisite for PHY111. If MAT212 or MAT213 is taken to meet this MA \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I}} & & requirement, students must also take MAT182 o \\
\hline & & & MAT187, or have completed a year of high school trigonometry with a grade of "C" or better to meet the prerequisite for PHY 111 . \\
\hline Computer/Statistics/Quantitative Applications [CS] & 3 hrs & & \\
\hline
\end{tabular}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or
greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Biological admission to the Applied Biological degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
Social-Behavioral Science

Natural Science [SQ, SG]
BIO 181: General Biology (Maiors) I

BIO 182: General Biology (Majors) II


General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements BIO 205: Microbiology

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR

CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR

CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR

CHM 152AA: General Chemistry II
PHY 111: General Physics I AND
PHY 112: General Physics II
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I
Laboratory

\section*{Pathway Agreement}

Maricopa Community College District
Applied Computing, BS Pathway

\section*{2018-2019}

ASU Major: Applied Computing, BS | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CSC 110: Introduction to Computer Science
or
CSC 110AA: Introduction to Computer
Science or
CSC 110AB: Introduction to Computer
Science

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Computing BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
Social-Behavioral Science
Social-Behavioral Science
Natural Science [SQ, SG]
Natural Science
Natural Science

\footnotetext{
General Education Awareness Areas [C, H, G]
} Cultural Diversity in the U.S. [C] 0-3 hrs

Historical or Global Awareness [H] or [G]
0
\(0-3\) hrs
Complete CRE 101 or equivalent.

Additional Lower Division Requirements CSC 200: Principles of Computer Science or
CSC 200AA: Principles of Computer Science(Java) or CSC 200AB: Principles of Computer Science or CSC 205: Object Oriented Programming or CSC 205AA: Object Oriented Programming or CSC 205AB: Object Oriented Programming or CSC 205AC: Object Oriented Programming or CSC 205AD: Object Oriented Programming

CSC 210: Data Structures \& Algorithms or CSC 210AA: Data Structures \& Algorithms or CSC 210AB: Data Structures \& Algorithms
CSC 240: Introduction to Different
Programming Languages or
CSC 240AA: Introduction to Different

CSC205, CSC205AA, CSC2015AB,
CSC205AC, or CSC205AD recommended because they meet the prerequisite for CSC 240 or CSC 240AA.

If needed, can be taken after transfer

As per "or permission of instructor" in Maricopa's MAT227 course description, academic advisors and other student services personnel are authorized by Maricopa's Math Instructional Council to approve MAT227 registration using either MAT212/213 OR MAT220/221 (and CSC110 or CSC110) as the course prerequisites.

MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government
Lower Division Elective 0-13 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. ACO 210 will need to be taken after transfer, as there is no MCCCD equivalent course

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Applied Mathematics, BS Pathway
2018-2019

ASU Major: Applied Mathematics, BS | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs}
\%

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Applied Mathematics B.S. degree program.


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design 3 hrs
 E

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science3 hrs3 hrs

Natural Science [SQ, SG]
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
BIO 181: General Biology (Majors) I

\footnotetext{
CHM 152: General Chemistry II or CHM 152LL: General Chemistry II Laboratory OR

PHY 116: University Physics II or
PHY 131: University Physics II: Electricty OR
BIO 182: General Biology (Majors) II
}

\section*{\(4-5 \mathrm{hrs}\)}
Select a sequence of the same science with at least one course satisfying the [SQ] requirement.

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G] 0-3 hrs

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\(0-3\) hrs
Complete CRE 101 or equivalent.
\(\begin{array}{l}\text { Additional Lower Division Requirements } \\
\text { CSC 200: Principles of Computer Science(Java) or } \\
\text { CSC 200AA: Principles of Computer Science(Java) or } \\
\text { CSC 200AB: Principles of Computer Science(Java) or } \\
\text { CSC 205: Object Oriented Programming and Data Structures or } \\
\text { CSC 205AA: Object Oriented Programming and Data Structures or } \\
\text { CSC 205AB: Object Oriented Programming and Data Structures or } \\
\text { CSC 205AC: Object Oriented Programming and Data Structures or } \\
\text { CSC 205AD: Object Oriented Programming and Data Structures }\end{array} \quad 3-4\) hrs \(\left.\begin{array}{l}\text { Completion of ASU's ACO } 101 \text { and ACO } 102 \\
\text { satisfies the New College Language and } \\
\text { Cultures requirement. }\end{array}\right]\)\begin{tabular}{l} 
MAT 230: Calculus with Analytic Geometry II \\
or \\
MAT 231: Calculus with Analytic Geometry II \\
MAT 240: Calculus with Analytic Geometry III \\
or \\
MAT 241: Calculus with Analytic Geometry III \\
MAT 276: Modern Differential Equations or \\
MAT 277: Modern Differential Equations \\
Lower Division Elective
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Applied Mathematics, BS Pathway
2018-2019

ASU Major: Applied Mathematics, BS | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

\section*{3 hrs}
\(\square\)
Humanities, Arts, and Design 3 hrs B

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Applied Mathematics B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

\section*{3 hrs}
\(\square\)
3 hrs

Natural Science [SQ, SG
CHM 151: General Chemistry I and \(\quad 4-5 \mathrm{hrs}\) Select a sequence of the same science with at CHM 151LL: General Chemistry I Laboratory OR

PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
BIO 181: General Biology (Majors) I
CHM 152: General Chemistry II or
CHM 152LL: General Chemistry II
Laboratory OR
PHY 116: University Physics II or
PHY 131: University Physics II: Electricty OR
BIO 182: General Biology (Majors) II
(0)
east one course satisfying the [SQ] requirement.
```

MAT 230: Calculus with Analytic Geometry II 4-5 hrs
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III 4-5 hrs
or
MAT 241: Calculus with Analytic Geometry III

```

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G] 0-3 hrs

COM 110: Interpersonal Communication or
COM 225: Public Speaking or COM 230: Small Group Communication

CRE 101: College Critical Reading

Additional Lower Division Requirements MAT 227: Discrete Mathematical Structures

MAT 276: Modern Differential Equations or
MAT 277: Modern Differential Equations
Lower Division Elective 0-16 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Pathway Agreement}
2018-2019

2018-2019

\title{
Maricopa Community College District \\ Applied Mathematics for Life and Social Sciences, BS Pathway \\ Applied Mathematics for Life and Social Sciences, BS Pathway
}
ASU Major: Applied Mathematics for Life and Social Sciences, BS | College of Liberal Arts and Sciences

ASU Major: Applied Mathematics for Life and Social Sciences, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL © (o)
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
```

Mathematical Studies [MA]

```
Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I 4-5 hrs
MAT 220: Calculus with Analytic Geometry I 4-5 hrs
MAT 220: Calculus with Analytic Geometry I 4-5 hrs
MAT 221: Calculus with Analytic Geometry I
```

MAT 221: Calculus with Analytic Geometry I

```
MAT 221: Calculus with Analytic Geometry I
```

Social-Behavioral Science [SB]
ASB 102: INTRO/CULTURAL \& SOCIAL ANTHROPOLOGY OR

PSY 101: Introduction to Psychology OR
SOC 101: Introduction to Sociology OR
POS 110: American National Government OR

CFS 205: Human Development OR
GCU 102: Intro to HUMAN GEOGRAPHY
Social-Behavioral Science

## Natural Science [SQ, SG]

BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Applied Mathematics for the Life and Social Sciences B. S. degree program.MInimum of 2.0 GPA is degree program.MInimum of 2.0 GP
required for all coursework used to required for all coursework used to
satisfy MAPP requirements. All courses satisfy MAPP requirements. All courses
must be completed with a grade of $C$ or greater.

## greater.

```
MAT 230: Calculus with Analytic Geometry II 4-5 hrs
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III 4-5 hrs
or
MAT 241: Calculus with Analytic Geometry III
```

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G] 0-3 hrs
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
CSC 100: Introduction to Computer Science 3-4 hrs
or
CSC 100AA: Introduction to Computer
Science or
CSC 100AB: Intro to COMPUTER SCIENCE
(C+ OR
CSC 110: Introduction to Computer Science
or
CSC 110AA: Introduction to Computer
Science or
CSC 110AB: Intro to Computer Science
(JAVA)
MAT 262: Differential Equations OR

MAT 276: Modern Differential Equations or
MAT 277: Modern Differential Equations
Lower Division Elective $\quad 0-16$ hrs

## Pathway Agreement


#### Abstract

Maricopa Community College District Applied Physics, BS Pathway 2018-2019 ASU Major: Applied Physics, BS | College of Integrative Sciences and Arts


Pathway Requirements

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry (L)

Recommend selecting a course that satisfies Literacy \& Critical Inquiry, Social-Behavioral Sciences, Humanities and Fine Arts, COM, or CRE 101 requirements.


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

## 3 hrs

(
3 hrs
\%

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the AppliedPhysics B.S. degree program.
and AGEC-S, meets major map

Natural Science [SQ, SG]
PHY 115: University Physics I or PHY 121: UNIVERSITY PHYSICS I: MECHANICS

PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]
Cultural Diversity in the U.S. (C)
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
Lower Division Elective

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Art (Art History), BA Pathway


## 2018-2019

ASU Major: Art (Art History), BA | Herberger Institute for Design and the Arts

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

## 3 hrs

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher math course that meets [MA]
Computer/Statistics/Quantitative Analysis

Humanities, Arts, and Design [HU] ARH 101: Prehistoric through Gothic Art
ARH 102: Renaissance Through
Contemporary Art

Social-Behavioral Science [SB] Social-Behavioral Science

Social-Behavioral Science
Natural Science [SQ, SG]
Natural Science
Natural Science

[^6]Cultural Diversity in the U.S. [C] 0-3 hrs

Historical or Global Awareness [H] or [G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Art (Art History) B.A. degree program.

Special Requirements: 3.0 GPA in coursework used to satisfy MAPP requirements. The following courses must be completed with a grade of "B" or higher: ENG 101/107, ENG 102/108, ARH 101, ARH 102. All remaining courses must be completed with a grade of " C " or higher.
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

| Additional Lower Division Requirements |  |  |
| :---: | :---: | :---: |
| ART 111: Drawing I or | 9 hrs | Select a total of three courses from the five sets |
| ART 290BC: Studio Art: Drawing OR | (e) | of courses listed. Only one course may be selected from each given set. |
| ADA 112: Two-Dimensional Design or ART 112: Two-Dimensional Design OR |  |  |
|  |  |  |
| ART 113: Color or ART 290JC: Studio Art: Color OR |  |  |
| ART 115: Three-Dimensional Design OR |  |  |
| ART 131: Photography I |  |  |
| ARH 201: Art of Asia 3 hrs |  |  |
| ARH 115: History of Photography 3 hrs |  |  |
| Second Language Requirement satisfied through the following: Completion of language course at the intermediate level (course must transfer to ASU at the 202 level or above). American Sign Language does not fulfill the degree requirements. | 0-16 hrs | Select 101, 102, 201, 202 as needed to reach |
|  |  | 4th semester proficiency. American Sign Language does not fulfill the degree requirements. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. |
| Lower Division Elective | 0-10 hrs | Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. |

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Art (Art Studies), BA Pathway

\section*{2018-2019}


ASU Major: Art (Art Studies), BA | Herberger Institute for Design and the Arts

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Analysis

Humanities, Arts, and Design [HU] ARH 101: Prehistoric through Gothic Ar OR

ARH 102: Renaissance Through Contempor

ARH 201: Art of Asia OR
ARH 145: History of American Indian Art OR
ARH 217: Mexican Art History OR
ARH 216: Pre-Columbian Art History

Social-Behavioral Science [SB]

Social-Behavioral Science

Social-Behavioral Science
3 hrs
(a)
$3 \mathrm{hrs} \quad$ Select a course which satisfies SB (Social \& Behavioral Sciences) and the AGEC Cultural Diversity awareness [C] area.

Natural Science [SQ, SG]
Natural Science

Natural Science
4 hrs

4 hrs Select at least one SQ within the Natural ( Science requirement.

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU.

The MAPP for the BA in Art Studies is provided as a transfer pathway for students wishing to complete their BA in Art Studies at ASU. Students ma choose to pursue a BFA in Art concentration instead. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here:
https://herbergerinstitute.asu.edu/advising

For more information about the BFA application process and requirements please visit:
http://art.asu.edu/admissions/undergrad/applyin

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
ART 111: Drawing I or
ART 290BC: Studio Art: Drawing
ART 112: Two-Dimensional Design

| ART 113: Color or ART 290JC: Studio Art: Color |  | 3 hrs | ART 113/ART 116 Requirement: BFA Intermedia Track majors must take ART 116. Photography students may choose ART 113 or 116. All other majors must take ART 113. |
| :---: | :---: | :---: | :---: |
| ART 115: Three-Dimensional Design |  |  |  |
| Additional Art Foundation |  | 12 hrs | Complete 1 2D course, 1 3D course, and 2 additional 2D and/or 3D courses. See Tracks below for course listings. The track title is located in the comments section of each track. Please Note: Students wishing to pursue the Bachelor of Fine Arts degree should carefully review the track group course list and notes for specific course requirements. |
| Performing Arts Electives |  | 3 hrs | Select three credit hours from the performing arts elective list. |

Total Required Credits: 62

## Track/Groups

Additional Art Foundation


| Complete one course from the 2D course list, one | Students choosing the Intermedia |  |
| :--- | :--- | :--- |
| course from the 3D course list, and one additional BFA Track must also take ART 116 <br> course from either the 2D or 3D course list. Additional Art <br> instead of ART 113. Foundation |  |  |
| ART 167: Painting I OR | Painting BFA |  |

ART 165: Watercolor Painting I OR
Choose one course from the 3D course list and one Additional Art Foundation
additional course from either the 2D or 3D course
additional course from either the 2D or 3D course Additional Art Foundation
list.

ART 131: Photography I OR
ART 132: Photography II OR
Choose one course from the 3D course list
ART 250: Introduction to Printmaking OR

Choose one course from the 2D course list, one course from the 3D course list, and one additional course from either the 2D or 3D course list.

ART 151: Sculpture I OR
Photography BFA Note: Student
choosing the Photography BFA
Track may take ART 116 instead of ART 113.

Printmaking BFA

Choose one course from the 2D course list and one additional course from either the 2D or 3D course list.

Performing Arts Electives

## Performing Arts Electives

DAN Elective OR
HUM 205: Introduction to Cinema or HUM 210: Contemporary Cinema or THF 205: Introduction to Cinema or THF 210: Contemporary Cinema OR

## MHL Elective OR

MTC Elective OR
MUC Elective OR
MUE Elective OR
MUP Elective OR
TCM Elective OR

THE Elective or THF Elective OR

THP Elective or THF Elective

MTC Elective cannot be MTC 103. MUC Elective cannot be MUC 194, MUC 210, MUC 211, MUC 274AB MUC 297AA, MUC 297AB, or MUC 297AC TCM Electives: TCM 111 and 211, TCM 120, TCM 134, TCM 136, TCM 145 , TCM 202, TCM 213AA, TCM 220, TCM 230, TCM 240, TCM 248, TCM 250, TCM 263, TCM 265, and TCM 275. THE/THF Elective cannot be THE 206, THF 210, HUM 210, THE 282AA, THE 282AB, or THE 282AC. THP/THF Elective cannot be THF 120AA, THF 120AB, THP 241, COM 241 or THP 268.

## Pathway Agreement


#### Abstract

Maricopa Community College District Art (Museum Studies), BA Pathway

\section*{2018-2019}


ASU Major: Art (Museum Studies), BA | Herberger Institute for Design and the Arts

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL


ENG 101 \& 102 must be completed with a grade " B " or higher.

ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 140: College Mathematics
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer Science 3 hrs
-

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Art (Museum Studies) B.A. degree program. Special
B.A. degree program. Special
Requirements: 3.0 GPA in coursework Requirements: 3.0 GPA in coursework used to satisfy MAPP requirements. The following courses must be completed
with a grade of "B" or higher: ENG with a grade of "B" or higher: ENG
101/107, ENG 102/108, ARH 101, ARH 101/107, ENG 102/108, ARH 101, A
102. All remaining courses must be completed with a grade of " C " or higher.

Humanities, Arts, and Design [HU]
ARH 101: Prehistoric through Gothic A

ARH 102: Renaissance Through Contempor

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

0 hrs 3 hrs [H] satisfied by ARH 101 or ARH 102.3原 hrs [G] satisfied by ARH 201
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

| Additional Lower Division Requirements |
| :--- |
| ARH 201: Art of Asia |
| GBS 151: Introduction to Business OR |
| GBS 206: Business Law (UCC) OR |
| IBS 101: Intro to International Business OR |
| IBS 109: Cultural Dimensn/International |
| Trade OR |
| MGT 160: Project Management OR |
| MKT 101: Introduction to Public Relations |
| OR |
| MKT 263: Advertising Principles OR |
| MKT 271: Principles of Marketing OR |
| PAD 101: Survey Of Public Administration |
| OR |
| PAD 104: Management In The Public Sector |
| OR |
| REC 120: Leisure and the Quality of Life OR |
| REC 210: Leisure Delivery Systems <br> Second Language Requirement satisfied through the following: <br> Completion of language course at the intermediate level (course must <br> transfer to ASU at the 202 level or above). American Sign Language <br> does not fulfill the degree requirements. <br> Lower Division Elective |

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Arts (BA in the Arts), BA Pathway

\section*{2018-2019}


ASU Major: Arts (BA in the Arts), BA | Herberger Institute for Design and the Arts

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

3 hrs
$\square$

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141. College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Analysis 3 hrs

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science 3 hrs

Natural Science [SQ, SG]
Natural Science

Natural Science

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

## $0-3 \mathrm{hrs}$

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Arts (BA in Arts)--Arts Administration or Entertainment Design degree program.
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
$\left.\begin{array}{l}\text { Additional Lower Division Requirements } \\ \begin{array}{l}\text { Accounting/Finance - } 1 \text { Course ( } 3 \text { credits) }\end{array} \\ \begin{array}{ll}\text { Arts Administration or Entertainment Design - Pick } 1 \text { Focus Area } & 0-3 \text { hrs }\end{array} \begin{array}{l}\text { Select one course from the Track/Groups below. } \\ \text { Some of the courses may be used to satisfy any } \\ \text { remaining AGEC requirements }\end{array} \\ \text { Arts Discipline and Practice - } 3 \text { Courses ( } 9 \text { credits) } \\ \text { Select one - two courses from theTrack/Groups } \\ \text { below. Some of the courses may be used to } \\ \text { satisfy any remaining AGEC requirements } \\ \text { Select 3 courses from the Track/Groups below. } \\ \text { Some of the courses may be used to satisfy any } \\ \text { remaining AGEC requirements. Only students } \\ \text { pursuing the Arts Administration concentration } \\ \text { need to complete this requirement. }\end{array}\right]$

Total Required Credits: 60

## Track/Groups

Accounting/Finance - 1 Course ( 3 credits)

## Accounting/Finance - 1 Course ( 3 credits)

ACC 110: UNDERSTANDING \& USING ACCT
SYSTEMS or
ACC 111: Accounting Principles I or
ACC 115: Computerized Accounting or
ACC 211: Financial Accounting or
ACC 212: Managerial Accounting
Arts Administration or Entertainment Design - Pick 1 Focus Area

## Arts Administration or Entertainment Design - Pick 1 Focus Area

```
ENTERTAINMENT DESIGN (1-2 courses; 3-6
credits): or
THF 115: Makeup for Stage and Screen or Arts Administration or Entertainment
THF 210: Contemporary Cinema or
THF 215: Advanced Makeup Techniques for Stage
                                    Design - Pick 1 Focus Area
and Screen or
THF 209: Acting for the Camera or
THF 219: Advanced Acting for the Camera or
THP 112: Acting I or
THP 201AA: Theatre Production I or
THP 201AB: Theatre Production II or
THP 203: Technical Theatre Production or
THP 213: Intro to Technical Theatre or
THP 216: Beginning Stage Lighting or
THP 217: Introduction to Design Scenography or
THP 226: Theatrical Design: Costuming or
THP 262: Entertainment Industry Design Drafting or
THP 263: Entertainment Industry Design I: 2D CAD
or
ART 111: Drawing I or
ART 106: Gallery Operations or
ART 100: Intro to COMPUTER GRAPHIC ART or
ART 131: Photography I or
ART 161: Ceramics I or
ART 184: Computer Animation or
ART 185: 3-D Modeling for Animation or
ART 200: Animation and Interactivity or
ART 202: Digital Arts Survey or
ART 203: Aesthetics of Web Design o
DAH 100: Introduction to Dance or
HUM 210: Contemporary Cinema or
VPT 106: Digital Video Effects or
MUC 109:MUSIC BUSINESS: MERCHANDISING
MUC 109: M
MUC 110:MUSIC BUSINES:RECORDING and
MUCS MEDIA
MUC 111: Digital Audio Workstation I (DAW I) or
```

MUC 112: Digital Audio Workstation II (DAW II) or
MUC 114: Song Publishing and Marketing or
MUC 115: Song Copyrighting and Demos or
MUC 122. Sound Design I or
MUC 130: Music Electronic Components or
MUC 145: Recording Studio Business Operations
or
MUC 180: Computer Literacy for the Music
Business or
MUC 195: Studio Music Recording I or
MUC 196: Studio Music Recording II or
MUC 197: Live Sound Reinforcement I or
MUC 198: Live Sound Reinforcement II or
MUC 209: Music Industry Entrepreneurship or
MUC 222: Sound Design II or
MUC 237: Introduction to Electronic Music
Production Techniques for D or
Production Techniques for D or
CSC 120: Digital Design Fundamentals
ARTS ADMINISTRATION (1-2 courses; 3-6
credits): any transferable courses with the following
course prefixes: ACC, ECN, EPS, FIN, GBS, LDR,
MGT, MKT, SBS, or
ART 105: Art Beyond the Classroom or
ART 106: Gallery Operations or
ART 190: Art of Web Site Design or
ART 203: Aesthetics of Web Design or
ART 210: Design Tools for Imagery, Production,
and Publishing or
ART 215: Advanced Electronic Publishing or
ART 255: Art Marketing or
ART 255AA: Self Promotion or
CIS 133DA: Internet/Web Development Level I
Arts Discipline and Practice - 3 Courses ( 9 credits)

## Arts Discipline and Practice - 3 Courses ( 9 credits)

Any transferable course from a visual/ performing
arts field as an elective with one of the following
prefixes: ARC, ARH, ART, CAD, DAH, DAN, DFT,
INT, MHL, MTC, MUC, MUE, MUP, TEC, THE,
THF, THP, VPT or
HUM 205: Introduction to Cinema or
HUM 206: Introduction to Television Arts or
HUM 210: Contemporary Cinema or
STO 284: Storytelling and Music or
STO 285: Creating/Performing Solo/Collaborative
Works
Historical Studies with Asian/African/Native American/Latin American Focus
Historical Studies with Asian/African/Native American/Latin American Focus
ARH 118: Introduction To Chinese Art or
ARH 145: History Of American Indian Art or
ARH 201: Art Of Asia or
ARH 217: Mexican Art History or
DAH 201: World Dance Studies or
MHL 143: Music In World Cultures
Related Historical and Theoretical Coursework - 1 Course (3 credits)
Related Historical and Theoretical Coursework - 1 Course ( 3 credits)

[^7]
## Pathway Agreement


#### Abstract

Maricopa Community College District Asia Studies (East Asia), BA Pathway

\section*{2018-2019}


ASU Major: Asia Studies (East Asia), BA | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

## 3 hrs

$\square$

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Asia Studies (East Asia) B.A. degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]

| Humanities, Arts, and Design |
| :--- | :--- | :--- |

Humanities, Arts, and Design

| Social-Behavioral Science [SB] |  |  |
| :--- | :--- | :--- |
| Social-Behavioral Science | 3 hrs | Select HU and SB courses that concurrently <br> satisfy Outside East Asia, East Asia, or Across |
| Asia concentration courses. A maximum of two |  |  |
| courses may be selected from the Across Asia |  |  |
| concentration. |  |


| Natural Science [SQ, SG] <br> Natural Science | 4 hrs | Select at least one SQ within the Natural <br> Science requirement. |
| :--- | :--- | :--- |
| Natural Science | 4 hrs | Select at least one SQ within the Natural <br> Science requirement. |

[^8]COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

| Additional Lower Division Requirements <br> Lower Division Second Language: Requirement satisfied through the <br> following: Completion of a language course at the intermediate level <br> (202 or equivalent), including American Sign Language IV. |
| :--- |
| Concentration Courses |$\quad 0-20$ hrs | Chinese, Japanese or Korean is required for this |
| :--- |
| degree. |

Total Required Credits: 60

## Track/Groups

Concentration Courses

| Concentration Courses |  |
| :---: | :---: |
| ARH 201: Art of Asia OR | Across Asia Concentration |
| HIS 113: History of Eastern Civilization OR | Concentration Courses |
| HIS 114: History of Eastern Civilization OR |  |
| REL 202: Classics of Asian Religions OR |  |
| PHI 245: INTRODUCTION TO EASTERN PHILOSOPHY OR | Concentration Courses |
| ARH 118: Introduction to Chinese Art OR |  |
| HIS 240: HIST ISLAM CIV: 6TH CENT-1800 |  |
| HIS 273: US Experience in Vietnam 1945-1975 | Outside East Asia Concentration |
| HIS 271: HISTORY OF the FAR EAST TO 19 OR | East Asia Concentration |
| HIS 272: HISTORY OF the FAR EAST 1900 OR |  |
| ARH 118: Introduction to Chinese Art |  |

## Pathway Agreement

Maricopa Community College District<br>Asian Languages (Chinese), BA Pathway<br>\section*{2018-2019}<br>ASU Major: Asian Languages (Chinese), BA | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

## 3 hrs

$\square$
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]
ENG 213: Introduction to the Study of or
SLC 201: Introduction to Linguistics
Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

3 hrs
3 hrs
B
Natural Science [SQ, SG]
Natural Science
Natural Science

[^9]
## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

## Special Requirements

Completion of MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Asian Languages Chinese B.A degree program. 2.33 GPA required in CHI 101, CHI 102, CHI 201,
greater. required in
CHI 202.

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
CHI 101: ELEMENTARY CHINESE (MANDARIN)

| CHI 102: ELEMENTARY CHINESE |
| :--- |
| (MANDARIN) |
| CHI 201: Intermediate Chinese I |
| CHI 202: Intermediate Chinese II | | Low hrs |
| :--- |
| Lower Division Elective |
| courses. |
| enrollment in upper division major requirements |


| Demonstrated proficiency in Chinese language |
| :--- |
| at or above the 202 level is required for |
| enrollment in upper division major requirements |
| courses. |
| Lower Division Electives should be completed |
| once all other requirements have been met and |
| only if needed to complete community college's |
| associate degree requirements. |

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Asian Languages (Japanese), BA Pathway

\section*{2018-2019}


ASU Major: Asian Languages (Japanese), BA | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry 3 hrs
Literacy and Critical Inquiry
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]
ENG 213: Introduction to the Study of or
SLC 201: Introduction to Linguistics

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science
Natural Science [SQ, SG]
Natural Science
Natural Science

[^10]
## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Asian Languages Japanese B.A. degree program. 2.33 GPA required in all tracked courses for the major: JPN 101, JPN 102, JPN 201, JPN 202.
greater.
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements
JPN 101: Elementary Japanese I
$0-5$ hrs
Demonstrated proficiency in Japanese language at or above the 202 level is required for enrollment in upper division major requirements courses.

| JPN 102: Elementary Japanese II | $0-5 \mathrm{hrs}$ |
| :--- | ---: |
| JPN 201: Intermediate Japanese I | $0-5 \mathrm{hrs}$ |
| JPN 202: Intermediate Japanese II | $0-5 \mathrm{hrs}$ |

## Pathway Agreement

## Maricopa Community College District

Biochemistry, BA Pathway
2018-2019

ASU Major: Biochemistry, BA | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs
\%

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biochemistry B.A. degree program.

Mathematical Studies [MA, CS]
MAT 220: Calculus with Analytic Geometry
or
MAT 221: Calculus with Analytic Geometry
OR
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

Computer/Statistics/Quantitative Applications


Humanities, Arts, and Design [HU
Humanities, Arts, and Design

Humanities, Arts, and Design

## 3 hrs



Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
$\square$ OR

CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

| Additional Lower Division Requirements |
| :--- |
| BIO 181: General Biology (Majors) I |
| BIO 182: General Biology (Majors) II |
| CHM 235: General Organic Chemistry I and |
| CHM 235LL: General Organic Chemistry I L |
| CHM 236: General Organic Chemistry IIA |
| and |
| CHM 236LL: General Organic Chemistry IIA |
| PHY 101: Introduction to Physics OR |
| PHY 111: General Physics I and <br> PHY 112: General Physics II |
| Lower Division Second Language: <br> Requirement satisfied through the following: <br> Completion of a language course at the <br> intermediate level (202 or equivalent), <br> including American Sign Language IV. |
| Lower Division Elective |
| Students considering Graduate school or health <br> professions should complete the PHY 111 and <br> PHY 112 sequence. All other students may <br> complete PHY 101. |

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Biochemistry, BS Pathway 2018-2019


ASU Major: Biochemistry, BS | College of Liberal Arts and Sciences

First-Year Composition [FYC]
ENG 101: First-Year Composition or

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]


## Pathway Requirements

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Biochemistry B.S. degree program.

```
Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry
MAT 221: Calculus with Analytic Geometry I
```

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II

## Subject Options

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory
or
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR

## 3 hrs

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3 hrs
(

## 4-5 hrs

 (o)$\qquad$4 hr (o)

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C] 0-3 hrs

Historical or Global Awareness [H] or [G] 0-3 hrs

```
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I L
CHM 236: General Organic Chemistry IIA
and
CHM 236LL: General Organic Chemistry IIA
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
PHY 111: General Physics I
PHY 112: General Physics II
Computer/Statistics/Quantitative Applications
Cos hrs
Lower Division Elective \(\quad 0-6\) hrs \(\quad\)\begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's \\
associate degree requirements.
\end{tabular}

Total Required Credits: 64

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Biochemistry (Medicinal Chemistry), BS Pathway
2018-2019
\end{abstract}

ASU Major: Biochemistry (Medicinal Chemistry), BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry
```3 hrs . © ©
```

3 hrs Recommend selecting a course that satisfies
(3) Literacy \& Critical Inquiry, Social-Behavioral Sciences, Humanities \& Fine Arts, COM, or CRE 101 requirements simultaneously.

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Biochemistry (Medicina Chemistry) B.S. degree program.
greater.

```
Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry
MAT 221: Calculus with Analytic Geometry I
```

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II

## 3 hrs

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$+$

## Subject Options

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory
or
CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory

CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and


General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C] 0-3 hrs

Historical or Global Awareness [H] or [G] 0-3 hrs

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading


Total Required Credits: 64

## Pathway Agreement

## Maricopa Community College District

Biological Sciences, BS Pathway
2018-2019
ASU Major: Biological Sciences, BS | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL (i) ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

## 3 hrs

(-)

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biological Sciences B.S. degree program.

Mathematical Studies [MA, CS]
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I


OR
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or
PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

## 3 hrs

3 hrs
(

Natural Science [SQ, SG]

BIO 182: General Biology (Majors) II


General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

| Additional Lower Division Requirements |  |  |
| :---: | :---: | :---: |
| CHM 150: General Chemistry I and 4-5 hrs CHM 151LL: General Chemistry I Laboratory or <br> CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory |  |  |
| CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II |  |  |
| CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR <br> CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L AND <br> CHM 236: General Organic Chemistry IIA or CHM 236LL: General Organic Chemistry IIA Laboratory |  | Pre-health students should take two semester sequence of organic chemistry. Pre-health students should take CHM 235 and CHM 235 LL instead of CHM 230 and CHM 230LL. See pre-health website for more information: http://prehealth.asu.edu.explore/curriculum |
| BIO 220: Biology of Microorganisms or BIO 205: Microbiology | $0-4$ hrs | Satisfies an additional major requirement. May take this course after transfer to ASU. |
| PHY 101: Introduction to Physics OR <br> PHY 111: General Physics I AND |  | Pre-health students should take two semester sequence of physics. See pre-health website for more information: http://prehealth.asu.edu.explore/curriculum |
| PHY 112: General Physics II |  |  |
| Lower Division Elective | $0-8$ hrs | Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. |

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Biological Sciences (Biology and Society), BS Pathway 2018-2019


ASU Major: Biological Sciences (Biology and Society), BS | College of Liberal Arts and Sciences

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

## 3 hrs

E

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Biology \& Society) B.S. degree program
greater.


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II


General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C

Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory (o) OR

CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR

CHM 152AA: General Chemistry II

| Lower Division Elective | $0-16$ hrs |
| :--- | :--- | | Lower Division Electives should be completed |
| :--- |
| once all other requirements have been met and |
| only if needed to complete community college's |
| associate degree requirements. |

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Biological Sciences (Biomedical Sciences), BS Pathway 2018-2019


ASU Major: Biological Sciences (Biomedical Sciences), BS | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs
\%

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Biomedical Sciences) B.S. degree program.

Mathematical Studies [MA, CS]
MAT 220: Calculus with Analytic Geometry
or
MAT 221: Calculus with Analytic Geometry


OR
MAT 212: Brief Calculus o
MAT 213: Brief Calculus
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or
PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]
credit hours.

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB] credit hours.

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II
4 hrs
4 hrs
$\square$

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]


Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Total Required Credits: 60

## Pathway Agreement

Maricopa Community College District<br>Biological Sciences (Conservation Biology and Ecology), BS Pathway<br>2018-2019

ASU Major: Biological Sciences (Conservation Biology and Ecology), BS | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

## 3 hrs

E

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Conservation Biology \& Ecology) B.S degree program
greater.


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]

BIO 182: General Biology (Majors) II


General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

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MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements CHM 150: General Chemistry I and OR

CHM 151: General Chemistry I or CHM 151LL: General Chemistry I Laboratory
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR

CHM 152AA: General Chemistry II

CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR

GIS 205: Geographic Information Technologies OR
GIS 211: Geographic Information Science I OR

GLG 101: Introduction to Geology I and GLG 103: Introduction to Geology I Lab OR

GPH 111: Introduction to Physical Geography and GPH 112: Introduction to Physical Geography Lab or GPH 113: Introduction to Physical Geography OR

PHY 101: Introduction to Physics or
PHY 111: General Physics I
CSC 100: Introduction to Computer Science (C++) or CSC 100AA: Introduction to Computer Science (C++) or CSC 100AB: Intro to COMPUTER SCIENCE (C++) OR

CSC 110: Introduction to Computer Science (Java) or CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Intro to Computer Science (JAVA) OR

Take other QSA course at ASU after transfer.
Lower Division Elective \(\quad 0-13 \mathrm{hrs} \quad\)\begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's \\
associate degree requirements.
\end{tabular}

Total Required Credits: 60

Pre-health students should take PHY 111 and PHY 113 or CHM 235 and CHM 235 LL instead of CHM 230 and CHM 230LL to satisfy the Physical Science Requirement Course. See pre-health website for more information. http://prehealth.asu.edu.explore/curriculum

Satisfies Quantitative and Special Analysis Course requirement at ASU
nce all other requirements have been met and needed to complete community college's associate degree requirements.

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Biological Sciences (Genetics, Cell and Developmental Biology), BS Pathway \\ 2018-2019
}

ASU Major: Biological Sciences (Genetics, Cell and Developmental Biology), BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or

ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

\section*{3 hrs}

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees requirements at ASU, and guarantees (Genetics, Cell and Developmental Biology) B.S. degree program.
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Mathematical Studies [MA, CS]

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Mathematical Studies [MA, CS]
MAT 220: Calculus with Analytic Geometry I
MAT 220: Calculus with Analytic Geometry I
or
or
MAT 221: Calculus with Analytic Geometry
MAT 221: Calculus with Analytic Geometry
OR
OR
MAT 212: Brief Calculus or
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
MAT 213: Brief Calculus
MAT 206: Elements of Statistics OR
MAT 206: Elements of Statistics OR
SWU 225: Statistics for Social
SWU 225: Statistics for Social
Research/Justice and Government OR
Research/Justice and Government OR
PSY 230: Introduction to Statistics
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PSY 230: Introduction to Statistics

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PSY 230: Introduction to Statistics
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

\section*{3 hrs}

3 hrs
( 5

Social-Behavioral Science [SB]
Social-Behavioral Science


3 hrs \%
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR

COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
or
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
CHM 152: General Chemistry II and 4 hrs
CHM 152LL: General Chemistry II
Laboratory OR

©
CHM 152AA: General Chemistry II

CHM 230: Fundamental Organic Chemistry and CHM 230LL: Fundamental Organic Chemistry OR

CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I L and CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA

PHY 101: Introduction to Physics OR
PHY 111: General Physics I OR
Pre-health students should take two semester of physics. See pre-health website for more information:
http://prehealth.asu.edu.explore/curriculum
PHY 112: General Physics
Lower Division Elective \(\quad 0-8 \mathrm{hrs} \quad\)\begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
ond alt
\end{tabular} only if needed to complete community college's associate degree requirements

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Biological Sciences (Neurobiology, Physiology and Behavior), BS Pathway \\ 2018-2019}

ASU Major: Biological Sciences (Neurobiology, Physiology and Behavior), BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS] MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I


OR
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or
PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]

BIO 182: General Biology (Majors) II
3 hrs

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Neurology, Physiology and Behavior) B.S. degree program
greater.

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 230: Small Group Communication or
COM 225: Public Speaking
CRE 101: College Critical Reading
Additional Lower Division Requirements
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
or
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
CHM 230: Fundamental Organic Chemistry and
CHM 230LL: Fundamental Organic Chemistry OR
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I L and
CHM 236: General Organic Chemistry IIA and
CHM 236LL: General Organic Chemistry IIA
PHY 101: Introduction to Physics OR
PHY 111: General Physics I OR
PHY 112: General Physics

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Biology, BA Pathway
2018-2019

ASU Major: Biology, BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 187: Precalculus OR
MAT 150: College Algebra and MAT 182: Functions OR

MAT 151: College Algebra and
MAT 182: Functions OR
MAT 152: College Algebra or
MAT 182: Functions
Computer/Statistics/Quantitative Applications [CS]

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

\section*{3 hrs}

3 hrs
\%

Humanities, Arts, and Design

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or
greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biology B.A. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more
information:
https://transfer.asu.edu/credits

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II


MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication
COM 225: Public Speaking or

COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline CHM 150: General Chemistry I and & & & \\
\hline \multicolumn{4}{|l|}{CHM 151LL: General Chemistry I Laboratory or} \\
\hline \multicolumn{4}{|l|}{CHM 150AA: General Chemistry I or} \\
\hline \multicolumn{4}{|l|}{CHM 151: General Chemistry I and} \\
\hline \multicolumn{4}{|l|}{CHM 151LL: General Chemistry I Laboratory} \\
\hline \multicolumn{4}{|l|}{or} \\
\hline \multicolumn{4}{|l|}{CHM 151AA: General Chemistry I} \\
\hline \multicolumn{4}{|l|}{\multirow[t]{2}{*}{CHM 152: General Chemistry II and}} \\
\hline & & & CHM 152LL: General Chemistry II \\
\hline \multicolumn{4}{|l|}{Laboratory or} \\
\hline \multicolumn{4}{|l|}{CHM 152AA: General Chemistry II or} \\
\hline \multicolumn{4}{|l|}{CHM 154: GENERAL CHEMISTRY II WITH} \\
\hline \multicolumn{4}{|l|}{QUA and} \\
\hline \multicolumn{4}{|l|}{CHM 154LL: GENERAL CHEMISTRY II} \\
\hline \multicolumn{4}{|l|}{WITH QU} \\
\hline \multicolumn{4}{|l|}{CHM 230: Fundamental Organic Chemistry and} \\
\hline \multicolumn{4}{|l|}{CHM 230LL: Fundamental Organic} \\
\hline \multicolumn{4}{|l|}{Chemistry} \\
\hline Physics Requirement & & 8 hrs & Choose and complete Set A or Set B: Set A: PHY 101, OR GLG 101 AND GLG 103, OR Set B: PHY 111 AND PHY 113, OR PHY 112 AND PHY 114. \\
\hline & & 0-16 hrs & Language and Cultures - may be completed \\
\hline \multicolumn{3}{|l|}{Completion of a language course at the intermediate level (202 or} & after transfer. If choosing the computer language \\
\hline \multicolumn{3}{|l|}{\multirow[t]{2}{*}{equivalent), including American Sign Language IV OR Completion of}} & option to satisfy this requirement, select courses \\
\hline & & & that transfer as direct equivalents to ASU's ACO \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{two sequential semesters of coursework in a current computer language}} & & 101 (CSC 110, 110AA, 110AB) and ACO 102 \\
\hline & & & (CSC 200, CSC 200AA, CSC 200AB). \\
\hline \multicolumn{2}{|l|}{\multirow[t]{4}{*}{Lower Division Elective}} & 0-3 hrs & Lower Division Electives should be completed \\
\hline & & & once all other requirements have been met and \\
\hline & & & only if needed to complete community college's \\
\hline & & & associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Biology, BS Pathway
2018-2019

ASU Major: Biology, BS | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
MAT 206: Elements of Statistics
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science 3 hrs

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II


General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biology B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading


Total Required Credits: 60

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Biology (Pharmacology/Toxicology), BS Pathway
}

2018-2019
ASU Major: Biology (Pharmacology/Toxicology), BS | New College of Interdisciplinary Arts and Sciences

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government


\section*{3 hrs}


\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees requirements at ASU, and guarantees
admission to the Biology (Pharmacology/Toxicology) B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
greater.

\section*{Special Requirements}

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs
B

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I or
BIO 181XT: General Biology (Majors) I
BIO 182: General Biology (Majors) II
\(\square\)


COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
BIO 201: Human Anatomy and Physiology I
or
BIO 201XT: Human Anatomy and Physiology
I
BIO 202: Human Anatomy and Physiology II
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II OR
CHM 154: General Chemistry II with
Qualitative Analysis or
CHM 154LL: General Che
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I La
CHM 236: General Organic Chemistry IIA or
CHM 238: General Organic Chemistry IIB
Completion of a language course at the intermediate level (202 or
equivalent), including American Sign Language IV OR Completion of
two sequential semesters of coursework in a current computer
language.
PHY 111: General Physics I or
CHM 236LL: General Organic Chemistry IIA
Laboratory or
CHM 238LL: GENERAL ORGANIC
CHEMISTRY IIB LAB
AR

Total Required Credits: 63

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Biomedical Engineering, BSE Pathway 2018-2019
\end{abstract}

ASU Major: Biomedical Engineering, BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}
Engineering Core
ENG 101: First-Year Composition OR
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition OR
ENG 108: First-Year Composition for ESL
ECE 102: Engineering Analysis Tools an and
ECE 103: Engineering Problem Solving a
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
MAT 276: Modern Differential Equations or
MAT 277: Modern Differential Equations
PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS
PHY 116: University Physics II or
PHY 131: University Physics II: Electricity
and Magnetism
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR

CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I OR
CHM 151: General Chemistry I or CHM 151LL: General Chemistry I Laboratory OR

CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR

CHM 152AA: General Chemistry II

Humanities, Arts, and Design and
AGEC Awareness Areas
Social-Behavioral Science and
AGEC Awareness Areas

Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.

Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all specia requirements meets ASU major map requirements and guarantees admission to the Biomedical Engineering BSE degree program.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of "C" or better.

\footnotetext{
Additional Lower Division Requirements
}
BIO 181: General Biology (Majors) I or
BIO 181XT: General Biology (Majors) I
BIO 201: Human Anatomy and Physiology I
and
BIO 202: Human Anatomy and Physiology II
CSC 110: Introduction to Computer Science
(Java) or
CSC 110AA: Introduction to Computer
Science (Java) or
CSC 110AB: Intro to Computer Science
(JAVA)
ECE 105: MATLAB Programming
\begin{tabular}{l} 
ECN 211: Macroeconomic Principles or \\
ECN 212: Microeconomic Principles \\
EEE 202: Circuits and Devices
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Biophysics, BS Pathway

\section*{2018-2019}

ASU Major: Biophysics, BS | College of Liberal Arts and Sciences
\end{abstract}

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or admission to the Biophysics B.S. degree
greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees program.

A GPA of 2.6 is required in tracked courses MAT 221, MAT 231, MAT241 PHY 121 and PHY 131
PHY 121 and PHY 131.
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Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I 4-5 hrs
or
MAT 221: Calculus with Analytic Geometry I
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Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II
Subject Options
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS or
PHY 115: University Physics I

PHY 131: University Physics II: Electricity
and Magnetism or
PHY 116: University Physics II
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
Lower Division Elective

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Biotechnology and Bioenterprise, BS Pathway
\end{abstract}

2018-2019
ASU Major: Biotechnology and Bioenterprise, BS | New College of Interdisciplinary Arts and Sciences

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Mathematical Studies [MA, CS]} \\
\hline \multicolumn{2}{|l|}{MAT 212: Brief Calculus or} & 3-5 hrs & Focus Area determines MAT course: \\
\hline \multicolumn{2}{|l|}{MAT 213: Brief Calculus OR} & * (0) & Biostatistics Focus Area complete MAT 270; Biotechnology or Bioentrepreneurship Focus \\
\hline \multicolumn{2}{|l|}{MAT 220: Calculus with Analytic Geometry I or} & & Area complete MAT 210. \\
\hline MAT 221: Calculus with Analytic Geometry I & & & \\
\hline Computer/Statistics/Quantitative Applications [CS] & 3 hrs & & \\
\hline
\end{tabular}

Humanities, Arts, and Design [HU
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

Focus Area determines MAT course
Biostatistics Focus Area complete MAT 270 Biotechnology or Bioentrepreneurship Focus Area complete MAT 210

\section*{3 hrs}
\(\square\) ?

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Biotechnology and Bioenterprise BS degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]


3 hrs

\section*{4 hrs}
\(\square\)

\section*{4 hrs}
\begin{tabular}{|c|c|c|}
\hline COM 100: Introduction to Human Communication OR & & \\
\hline COM 110: Interpersonal Communication OR & & \\
\hline COM 225: Public Speaking OR & & \\
\hline COM 230: Small Group Communication & & \\
\hline CRE 101: College Critical Reading & 0-3 hrs & Complete CRE 101 or equivalent. \\
\hline Additional Lower Division Requirements CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR & & \\
\hline CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR & & \\
\hline CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I & & \\
\hline CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR & & \\
\hline CHM 152AA: General Chemistry II & & \\
\hline CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L & & \\
\hline \begin{tabular}{l}
CHM 236: General Organic Chemistry IIA and \\
CHM 236LL: General Organic Chemistry IIA Laboratory
\end{tabular} & & \\
\hline EPS 150: Introduction to Entrepreneurship & 3 hrs & Bioentrepreneurship Focus Area complete TMC 110; other Focus Areas may complete a general elective. \\
\hline \begin{tabular}{l}
GBS 221: Business Statistics or \\
MAT 206: Elements of Statistics or \\
SWU 225: Statistics for Social Research/Justice and Government OR
\end{tabular} &  & Focus Area determines STP/MAT course: Biostatistics Focus Area complete MAT 271; Biotechnology or Bioentrepreneurship Focus Area complete STP 226. \\
\hline MAT 230: Calculus with Analytic Geometry II or MAT 231: Calculus with Analytic Geometry II & & \\
\hline PHY 101: Introduction to Physics or 4-5 hrs PHY 101AA: Introduction to Physics & & \\
\hline Languages and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language. & 0-16 hrs & Language and Cultures: may be completed after transfer. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to ASU's ACO 101 (CSC 110, CSC 110AA, or CSC 110AB) and ACO 102 (CSC 200, CSC 200AA, CSC 200AB). \\
\hline
\end{tabular}

Total Required Credits: 62

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Business Administration), BA Pathway
2018-2019
\end{abstract}

ASU Major: Business (Business Administration), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs}

If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
EOCial-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
\begin{tabular}{ll} 
ABUS Business Electives & \(0-6\) hrs \\
Select two courses from the following: CIS \\
\(114 D E\), CIS133DA, CIS 162AD, GBS 151, GBS
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline \multicolumn{3}{|l|}{MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business} \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: Legal, Ethical, And Regulatory Issues in Business & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or to meet Literacy and Critical Inquiry [L]. \\
COM 230: Small Group Communication or \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Communication), BA Pathway
2018-2019
\end{abstract}

ASU Major: Business (Communication), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs}

If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
\begin{tabular}{ll} 
ABUS Business Electives & \(0-6\) hrs \\
Select two courses from the following: CIS \\
\(114 D E\), CIS133DA, CIS 162AD, GBS 151, GBS
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for 3-4 hrs Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication or to meet Literacy and Critical Inquiry [L]. \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Food Industry Management), BA Pathway
2018-2019
\end{abstract}

ASU Major: Business (Food Industry Management), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
EOCial-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
\begin{tabular}{ll} 
ABUS Business Electives & \(0-6\) hrs \\
Select two courses from the following: CIS \\
\(114 D E\), CIS133DA, CIS 162AD, GBS 151, GBS
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline \multicolumn{3}{|l|}{MAT 217: Mathematical Analysis for} \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3 \mathrm{hrs}\) \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication or to meet Literacy and Critical Inquiry [L]. \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Course must have PSY prefix and transfer with SB designation. \\
\hline SOC Course & 3 hrs & Course must have SOC prefix and transfer with SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Global Agribusiness), BA Pathway
2018-2019
\end{abstract}

ASU Major: Business (Global Agribusiness), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL


ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
ECN 212: Microeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]
\begin{tabular}{ll} 
MCCCD Additional Requirements & \(0-6\) hrs \\
ABUS Business Electives & Select two courses from the following: CIS \\
\(114 D E\), CIS133DA, CIS 162AD, GBS 151, GBS \\
& 233, GBS 220, (GBS 110 OR MGT 251), IBS \\
& 101, MGT 253, MKT 271, PAD 100, REA 179, \\
& REA 180, or SBU 200. If GBS233 is selected, it \\
may also be applied to meet Literacy and Critical \\
Inquiry [L].
\end{tabular}

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU and guarantees admission to the university and admission to W.P. Carey Bachelor of Arts degree. This degree program requires meeting W. P. Carey Bachelor of Arts requirements. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BA program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Effective Fall 2013 ASU no longer
requires submission of a current SAT Reasoning score or ACT score by the end of the first semester in the program.

Only 64 credits are transferrable to ASU Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs
ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or to meet Literacy and Critical Inquiry [L]. \\
COM 230: Small Group Communication or \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Global Logistics Management), BA Pathway
2018-2019
\end{abstract}

ASU Major: Business (Global Logistics Management), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
EOCial-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
\(\left.\begin{array}{ll}\text { ABUS Business Electives } & \mathbf{0 - 6} \text { hrs } \\ \begin{array}{ll}\text { Select two courses from the following: CIS } \\ & 114 D E, \text { CIS133DA, CIS 162AD, GBS 151, GBS }\end{array} \\ & 233, \text { GBS 220, (GBS 110 OR MGT 251), IBS }\end{array}\right\}\)

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU and guarantees admission to the university and admission to W.P. Carey Bachelor of Arts degree. This degree program requires meeting W. P. Carey Bachelor of Arts requirements. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BA program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Effective Fall 2013 ASU no longer
requires submission of a current SAT Reasoning score or ACT score by the end of the first semester in the program.

Only 64 credits are transferrable to ASU Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for 3-4 hrs Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication or to meet Literacy and Critical Inquiry [L]. \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Global Politics), BA Pathway
2018-2019
\end{abstract}

ASU Major: Business (Global Politics), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs}

If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
\(\left.\begin{array}{ll}\text { ABUS Business Electives } & \mathbf{0 - 6} \text { hrs } \\ \begin{array}{ll}\text { Select two courses from the following: CIS } \\ & 114 D E, \text { CIS133DA, CIS 162AD, GBS 151, GBS }\end{array} \\ & 233, \text { GBS 220, (GBS 110 OR MGT 251), IBS }\end{array}\right\}\)

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU and guarantees admission to the university and admission to W.P. Carey Bachelor of Arts degree. This degree program requires meeting W. P. Carey Bachelor of Arts requirements. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BA program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Effective Fall 2013 ASU no longer
requires submission of a current SAT Reasoning score or ACT score by the end of the first semester in the program.

Only 64 credits are transferrable to ASU Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs
ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or to meet Literacy and Critical Inquiry [L]. \\
COM 230: Small Group Communication or \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY COURSE & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC COURSE & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Human Resources), BA Pathway
\end{abstract}

2018-2019
ASU Major: Business (Human Resources), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs}

If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
EOCial-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
\begin{tabular}{ll} 
ABUS Business Electives & \(0-6\) hrs \\
Select two courses from the following: CIS \\
\(114 D E\), CIS133DA, CIS 162AD, GBS 151, GBS
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for 3-4 hrs Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication or to meet Literacy and Critical Inquiry [L]. \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Law), BA Pathway
\end{abstract}

2018-2019

ASU Major: Business (Law), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design
3 hrs
-

Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles


\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU and guarantees admission to the university and admission to W.P. Carey Bachelor of Arts degree. This degree program requires meeting W. P. Carey Bachelor of Arts requirements. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BA program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Effective Fall 2013 ASU no longer
requires submission of a current SAT
Reasoning score or ACT score by the end of the first semester in the program.

Only 64 credits are transferrable to ASU Please refer to ASU Degree Search for information regarding readmissions requirements.
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
ECN 212: Microeconomic Principles
ECN 211: Macroeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
ABUS Business Electives 0-6 hrs Select two courses from the following: CIS
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs
ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or to meet Literacy and Critical Inquiry [L]. \\
COM 230: Small Group Communication or \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Public Service and Public Policy), BA Pathway
2018-2019
\end{abstract}

ASU Major: Business (Public Service and Public Policy), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
EOCial-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
\begin{tabular}{ll} 
ABUS Business Electives & \(0-6\) hrs \\
Select two courses from the following: CIS \\
\(114 D E\), CIS133DA, CIS 162AD, GBS 151, GBS
\end{tabular}

\section*{Pathway Notes}

All courses must be completed with a grade of "C" or better

\section*{Special Requirements}

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU and guarantees admission to the university and admission to W.P. Carey Bachelor of Arts degree. This degree program requires meeting W. P. Carey Bachelor of Arts requirements. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BA program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Effective Fall 2013 ASU no longer
requires submission of a current SAT Reasoning score or ACT score by the end of the first semester in the program.

Only 64 credits are transferrable to ASU Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs
ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or to meet Literacy and Critical Inquiry [L]. \\
COM 230: Small Group Communication or \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Sports Business), BA Pathway
2018-2019
\end{abstract}

ASU Major: Business (Sports Business), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL


ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
First Year Composition [FYC]

\section*{3 hrs}

If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
EOCial-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
\begin{tabular}{ll} 
ABUS Business Electives & \(0-6\) hrs \\
Select two courses from the following: CIS \\
\(114 D E\), CIS133DA, CIS 162AD, GBS 151, GBS
\end{tabular}

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU and guarantees admission to the university and admission to W.P. Carey Bachelor of Arts degree. This degree program requires meeting W. P. Carey Bachelor of Arts requirements. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BA program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Effective Fall 2013 ASU no longer
requires submission of a current SAT Reasoning score or ACT score by the end of the first semester in the program.

Only 64 credits are transferrable to ASU Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for 3-4 hrs Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication or to meet Literacy and Critical Inquiry [L]. \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Sustainability), BA Pathway
2018-2019
\end{abstract}

ASU Major: Business (Sustainability), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU and guarantees admission to the university and admission to W.P. Carey Bachelor of Arts degree. This degree program requires meeting W. P. Carey Bachelor of Arts requirements. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BA program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Effective Fall 2013 ASU no longer
requires submission of a current SAT Reasoning score or ACT score by the end of the first semester in the program.

Only 64 credits are transferrable to ASU Please refer to ASU Degree Search for information regarding readmissions requirements.
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
ABUS Business Electives \(\quad 0-6\) hrs Select two courses from the following: CIS
Mathematical Studies [MA, CS]
MAT 212: Brief Callulus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
ECN 212: Microeconomic Principles
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs
ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or to meet Literacy and Critical Inquiry [L]. \\
COM 230: Small Group Communication or \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Business (Technology), BA Pathway
2018-2019

ASU Major: Business (Technology), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs}

If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
\begin{tabular}{ll} 
ABUS Business Electives & \(0-6\) hrs \\
Select two courses from the following: CIS \\
\(114 D E\), CIS133DA, CIS 162AD, GBS 151, GBS
\end{tabular}

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU and guarantees admission to the university and admission to W.P. Carey Bachelor of Arts degree. This degree program requires meeting W. P. Carey Bachelor of Arts requirements. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BA program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Effective Fall 2013 ASU no longer
requires submission of a current SAT
Reasoning score or ACT score by the end of the first semester in the program.

Only 64 credits are transferrable to ASU Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs
ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or to meet Literacy and Critical Inquiry [L]. \\
COM 230: Small Group Communication or \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Business (Tourism), BA Pathway
2018-2019
\end{abstract}

ASU Major: Business (Tourism), BA | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
ECN 212: Microeconomic Principles

Humanities, Arts, and Design [HU] Humanities, Arts, and Design

Humanities, Arts, and Design
3 hrs
-

Social-Behavioral Science [SB]


\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU and guarantees admission to the university and admission to W.P. Carey Bachelor of Arts degree. This degree program requires meeting W. P. Carey Bachelor of Arts requirements. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BA program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Effective Fall 2013 ASU no longer
requires submission of a current SAT Reasoning score or ACT score by the end of the first semester in the program.

Only 64 credits are transferrable to ASU Please refer to ASU Degree Search for information regarding readmissions requirements.
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]

MCCCD Additional Requirements
ABUS Business Electives \(\quad 0-6\) hrs Select two courses from the following: CIS
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for 3-4 hrs Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication or to meet Literacy and Critical Inquiry [L]. \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Business Data Analytics, BS Pathway
}

2018-2019

ASU Major: Business Data Analytics, BS | W. P. Carey School of Business

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

CIS 105: Survey of Computer Information Systems

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design
3 hrs

Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles

Natural Science [SQ, SG
Natural Science [SQ, SG]

Natural Science [SQ, SG]

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

This degree program requires meeting W. P. Carey Bachelor of Science requirements.

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

In addition to a minimum 3.00 cumulative transfer GPA, students must meet one of the following for admission to the W. P. Carey Bachelor of Science degree program: SAT (math and critical reading sections only) score of 1230 (after March 2016) or 1160 (prior to March 2016), OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses ( \(A=4.00\) ).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business (ABUS-SR) and AGEC-B, meets major map requirements at ASU, and guarantees admission to the university and admission to W.P. Carey Bachelor of Science degree. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BS program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Only 64 credits are transferrable to ASU. Please refer to ASU Degree Search for information regarding readmissions requirements.
\begin{tabular}{ll} 
MCCCD Additional Requirements & \\
CIS 162AD: C\#: Level I & 3 hrs \\
CIS 250: Management INFORMATION & 3 hrs \\
SYSTEM &
\end{tabular}

\footnotetext{
General Education Awareness Areas [C, H, G]
}

Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
Additional Lower Division Requirements
ACC 111: Accounting Principles I and
ACC 230: Uses of Accounting Information
and
ACC 240: Uses of Accounting Information
OR
ACC 111: Accounting Principles I and
ACC 112: Accounting Principles II and
ACC 212: Managerial Accounting OR
ACC 211: Financial Accounting and
ACC 212: Managerial Accounting
MAT 217: Mathematical Analysis for
Business or
MAT 218: Mathematical Analysis for
Business
GBS 221: Business Statistics
GBS 205: LEGAL, ETHICAL/REGULATORY
ISSUES/BUS
COM 100: Introduction to Human Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication or
COM 259: COMM IN BUSINESS \& PROFESSIONS
PSY Course

Total Required Credits: 62

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Business Entrepreneurship, BS Pathway
}

2018-2019

ASU Major: Business Entrepreneurship, BS | W. P. Carey School of Business

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs}

If COM225 is selected, it may also be applied to meet COM in the Additional Lower Division Requirements. If GBS233 is selected, it may also be applied as a Business Elective
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

This degree program requires meeting W. P. Carey Bachelor of Science requirements.

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

In addition to a minimum 3.00 cumulative transfer GPA, students must meet one of the following for admission to the W. P. Carey Bachelor of Science degree program: SAT (math and critical reading sections only) score of 1230 (after March 2016) or 1160 (prior to March 2016), OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses ( \(A=4.00\) ).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business (ABUS-GR) and AGEC-B, meets major map requirements at ASU, and guarantees admission to the university and admission to W.P. Carey Bachelo of Science degree. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BS program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Only 64 credits are transferrable to ASU. Please refer to ASU Degree Search for information regarding readmissions requirements.

MCCCD Additional Requirements
ABUS Business Electives
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline Additional Lower Division Requirements & & \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR & & \\
\hline ACC 211: Financial Accounting and ACC 212: Managerial Accounting & & \\
\hline MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS \& PROFESSIONS &  & If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L]. \\
\hline PSY Course (SB) &  & MGT320 (required for this major at ASU) requires a prerequisite of PSY101 or SOC101. \\
\hline SOC Course (SB) &  & MGT320 (required for this major at ASU) requires a prerequisite of PSY101 or SOC101. \\
\hline Lower Division Elective & \(0-4 \mathrm{hrs}\) & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Chemical Engineering, BSE Pathway \\ 2018-2019}

ASU Major: Chemical Engineering, BSE | Ira A. Fulton Schools of Engineering

Pathway Requirements
Engineering Core
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
ECE 102: Engineering Analysis Tools an and
ECE 103: Engineering Problem Solving a
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
MAT 277: Modern Differential Equations or
MAT 276: Modern Differential Equations
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I or
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS or
and Magnetism or
PHY 116: University Physics II

Humanities, Arts, and Design and AGEC Awareness Areas

Social-Behavioral Science and
AGEC Awareness Areas requirement.

Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

Additional Lower Division Requirements
ECE 231: Introduction to Fluid Transport
Phenomena
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I L
CHM 236: General Organic Chemistry IIA
BIO 181: General Biology (Majors) I or
BIO 182: General Biology (Majors) II or
ECE 111: Bioengineering Systems
Humanities, Arts, and Design and
AGEC Awareness Areas
Social-Behavioral Science and
AGEC Awareness Areas

Total Required Credits: 63

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Chemistry, BA Pathway
2018-2019
\end{abstract}

ASU Major: Chemistry, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Recommend selecting a course that satisfies Literacy \& Critical Inquiry and COM or CRE 101 requirements simultaneously.

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Chemistry B.A. degree program.
greater.

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

\section*{Natural Science [SQ, SG]}

CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
or
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
or
CHM 150AA: General Chemistry I or
CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C] 0-3 hrs

Historical or Global Awareness [H] or [G] 0-3 hrs
Historical or Global Awareness \([\mathrm{H}]\) or \([\mathrm{G}]\)
\begin{tabular}{l|l} 
MCCCD Additional Requirements & \(0-3 \mathrm{hrs}\) \\
COM 100: Introduction to Human Communication or & COM 225 may also be used to satisfy Literacy \\
COM 110: Interpersonal Communication or & \begin{tabular}{l} 
and Critical Inquiry (L) general studies \\
requirement.
\end{tabular} \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs \\
CRE 101: College Critical Reading & Complete CRE 101 or equivalent.
\end{tabular}
Additional Lower Division Requirements
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I L
CHM 236: General Organic Chemistry IIA
and
CHM 236LL: General Organic Chemistry IIA
MAT 231: Calculus with Analytic Geometry II
Lower Division Second Language: Requirement satisfied through the
following: Completion of a language course at the intermediate level
(202 or equivalent), including American Sign Language IV.

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Chemistry, BS Pathway
2018-2019

ASU Major: Chemistry, BS | College of Liberal Arts and Sciences
\end{abstract}

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Chemistry B.S. or Chemistry (Environmental Chemistry) B.S. degree program
```

Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I 4-5 hrs
or
MAT 221: Calculus with Analytic Geometry I

```
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

\footnotetext{
Natural Science [SQ, SG]
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory (-5 hrs

CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
or
CHM 150AA: General Chemistry I or
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
}
```

MAT 230: Calculus with Analytic Geometry
or
*-5 hrs
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III 4-5 hrs
or
MAT 241: Calculus with Analytic Geometry III

```
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C
Historical or Global Awareness [H] or [G] 0-3 hrs
MCCCD Additional Requirements
COM 100: Introduction to Human Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I
Laboratory
CHM 236: General Organic Chemistry IIA
and
CHM 236LL: General Organic Chemistry IIA
\begin{tabular}{|c|c|c|c|}
\hline MAT 225: Elementary Linear Algebra & & 3 hrs & An equivalent to CHM 240 is not offered at AZ Community Colleges. Some units of "elective" on ASU's Major Mapp will be satisfied by Linear Algebra and Differential Equations for the AZ community college student. \\
\hline MAT 276: Modern Differential Equations & & 3 hrs & An equivalent to CHM 240 is not offered at AZ Community Colleges. Some units of "elective" on ASU's Major Mapp will be satisfied by Linear Algebra and Differential Equations for the AZ community college student. \\
\hline PHY 121: UNIVERSITY PHYSICS I: MECHANICS &  & & \\
\hline PHY 131: University Physics II: Electricity and Magnetism &  & & \\
\hline Computer/Statistics/Quantitative Applications & \(0-3\) hrs & & \\
\hline Lower Division Elective & & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 64

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Chemistry (Environmental Chemistry), BS Pathway
2018-2019
\end{abstract}

ASU Major: Chemistry (Environmental Chemistry), BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Chemistry B.S. or Chemistry (Environmental Chemistry) B.S. degree program
greater.
```

Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I 4-5 hrs
or
MAT 221: Calculus with Analytic Geometry I

```
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

3 hrs See note regarding Literacy and Critical Inquiry

Natural Science [SQ, SG]
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laborator
or
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
or
CHM 150AA: General Chemistry I or
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
```

4-5 hrs © (O)

```
                                4 hrs
    (-) 4 hrs(9)
\(\square\)

```

MAT 230: Calculus with Analytic Geometry II
or

```
```

4-5 hrs
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III 4-5 hrs
or
MAT 241: Calculus with Analytic Geometry III

```
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G] 0-3 hrs
MCCCD Additional Requirements
COM 100: Introduction to Human 0-3 hrs
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I L

CHM 236: General Organic Chemistry IIA
and
CHM 236LL: General Organic Chemistry IIA
MAT 225: Elementary Linear Algebra
MAT 276: Modern Differential Equations
\begin{tabular}{l} 
PHY 121: UNIVERSITY PHYSICS I: \\
MECHANICS
\end{tabular}
\begin{tabular}{l} 
PHY 131: University Physics II: Electricity \\
and Magnetism
\end{tabular}
\begin{tabular}{l} 
An equivalent to CHM 240 is not offered at AZ \\
Community Colleges. Some units of "elective" \\
on ASU's Major Mapp will be satisfied by Linear \\
Algebra and Differential Equations for the \(A Z\)
\end{tabular}
community college student.
An equivalent to CHM 240 is not offered at AZ
Community Colleges. Some units of "elective"
on ASU's Major Mapp will be satisfied by Linear
Algebra and Differential Equations for the AZ
community college student.

Total Required Credits: 64

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Civil Engineering, BSE Pathway
2018-2019
\end{abstract}

ASU Major: Civil Engineering, BSE | Ira A. Fulton Schools of Engineering

Pathway Requirements

Engineering Core
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I OR

CHM 150AA: General Chemistry I OR
CHM 151: General Chemistry I or
CHM 151LL: General Chemistry I Laboratory OR

CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR

CHM 152AA: General Chemistry I

ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or

ECE 102: Engineering Analysis Tools an and ECE 103: Engineering Problem Solving a

MAT 220: Calculus with Analytic Geometry I or
MAT 221: Calculus with Analytic Geometry I
MAT 231: Calculus with Analytic Geometry or
MAT 230: Calculus with Analytic Geometry II


MAT 241: Calculus with Analytic Geometry III or
MAT 240: Calculus with Analytic Geometry III
MAT 277: Modern Differential Equations or
MAT 276: Modern Differential Equations

MAT 276: Modern Differential Equations
PHY 121: UNIVERSITY PHYSICS I: MECHANICS or
PHY 115: University Physics I

PHY 131: University Physics II: Electricity and Magnetism or
PHY 116: University Physics II


\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all specia requirements meets ASU major map requirements and guarantees admission to the Civil Engineering (Environmental Engineering), Civil Engineering (Sustainable Engineering), and Construction Engineering BSE degree programs.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of " C " or better.
\begin{tabular}{|c|c|c|c|}
\hline MAT 225: Elementary Linear Algebra & & 3 hrs & Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215 and ECN 211 or ECN 212 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU. \\
\hline \begin{tabular}{l}
CHM 230: Fundamental Organic Chemistry OR \\
GLG 101: Introduction to Geology I - P OR
\end{tabular} & & \(3-4\) hrs & Recommend completing BIO 181 or BIO 182. \\
\hline BIO 181: General Biology (Majors) I OR & & & \\
\hline BIO 182: General Biology (Majors) II & & & \\
\hline ECE 211: Engineering Mechanics-Statics & 3 hrs & & \\
\hline ECE 212: Engineering Mechanics-Dynamic & 3 hrs & & \\
\hline ECE 215: Mechanics of Materials & 3 hrs & & \\
\hline ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles & \(0-3\) hrs
\(\square\) & & \\
\hline Lower Division Elective & & 0-1 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Civil Engineering (Sustainable Engineering), BSE Pathway 2018-2019}

ASU Major: Civil Engineering (Sustainable Engineering), BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}
Engineering Core
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I OR
CHM 151: General Chemistry I or
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
ECE 102: Engineering Analysis Tools an and
ECE 103: Engineering Problem Solving a
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
MAT 220: Calculus with Analytic Geometry I
I
MAT 221: Calculus with Analytic Geometry I
MAT 231: Calculus with Analytic Geometry II
MAT
MA 241: Calculus with Analytic Geometry III
and Magnetism or
PHY 116: University Physics II
PHY 121: UNIVERSITY PHYSICS I:
MECHANIIS or
PHY 115: University Physics I
MAT 277: Modern Differential Equations
Humanities, Arts, and Design and 3 hrs

3 hrs Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area and Design requirement

Additional Lower Division Requirements
CHM 230: Fundamental Organic Chemistry or
GLG 101: Introduction to Geology I - Physical Lecture or
BIO 181: General Biology (Majors) I or
BIO 182: General Biology (Majors) II
ECE 211: Engineering Mechanics-Statics 3 hrs
ECE 212: Engineering Mechanics-Dynamic 3 hrs

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Chemical Engineering, Civil Engineering (Environmental Engineering), Civil Engineering (Sustainable Engineering) and Construction Engineering BSE degree programs.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requiremen courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of " \(C\) " or better.
\(\left.\begin{array}{l|l}\text { ECE 215: Mechanics of Materials } & 3 \text { hrs } \\ \text { ECN 211: Macroeconomic Principles or } & 3 \text { hrs } \\ \text { ECN 212: Microeconomic Principles } & 3 \text { hrs }\end{array} \begin{array}{l}\text { Complete additional lower division requirements } \\ \text { not to exceed } 64 \text { total transfer credits. Students } \\ \text { should complete MAT 225, ECE 211, ECE 212, }\end{array}\right\}\)

Total Required Credits: 65

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Communication, BA Pathway
2018-2019
\end{abstract}

ASU Major: Communication, BA | New College of Interdisciplinary Arts and Sciences

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

\section*{3 hrs}
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Analysis
[CS]Science
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
COM 100: Introduction to Human
Communication
Social-Behavioral Science
Natural Science [SQ, SG]
Natural Science
Natural Science

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Communication B.A. degree program

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more
information:
https://transfer.asu.edu/credits

\begin{tabular}{l|l|l} 
COM 100: Introduction to Human Communication or & 0 hrs & Satisfied by COM 225. \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent.
\end{tabular}
Additional Lower Division Requirements
COM 207: Intro to COMMUNICATION
INQUIRY
COM 230: Small Group Communication or
COM 259: COMMUNICATION IN BUSINESS \& PROFESSIONS \(\quad 3\) hrs \begin{tabular}{l} 
COM 230 can be used to satisfy the remaining 3 \\
Social \& Behavioral Sciences AGEC \\
requirement.
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}
Maricopa Community College District
Communication, BA Pathway
2018-2019
ASU Major: Communication, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

There are no special requirements for this pathway

Literacy and Critical Inquiry [L]

COM 225: Public Speaking

3 hrs
Meets MCCCD Additional Requirement \%

Mathematical Studies [MA, CS]
MAT 140: Colle Mathematics or
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
COM 100: Introduction to Human Communication

Social-Behavioral Science

Natural Science [SQ, SG]
Natural Science 4 hrs Select at least one SQ within the Natural

Natural Science

\section*{4 hrs} 4 hrs

3 hrs Meets MCCCD Additional Communication Requirement below.
\(\square\)

3 hrs


T Science requirement.


General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

\section*{\(0-3 \mathrm{hrs}\)}
\begin{tabular}{l|cc|} 
COM 100: Introduction to Human Communication or & 0 hrs & Met by COM 225 and COM 100. \\
COM 110: Interpersonal Communication or & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent.
\end{tabular}

Additional Lower Division Requirements
COM 207: Intro to COMMUNICATION
3 hrs
NQUIRY
COM 110: Interpersonal Communication or \(\quad 0-3\) hrs
COM 110AA: Interpersonal Communication
Part I and
COM 110AB: Interpersonal Communication
Part II and
COM 110AC: Inter or
COM 241: Oral Interpretation of Literature or
THP 241: Oral Interpretation of Literature or
COM 250: Introduction to Organizational
Communication or
COM 163: Intercultural Communication in
Everyday Life or
COM 263: ELEMENTS OF
INTERCULTURAL COMM
\begin{tabular}{ll} 
Lower Division Second Language: Requirement satisfied through the & \(0-16\) hrs \\
following: Completion of a language course at the intermediate level \\
(202 or equivalent), including American Sign Language IV. & \begin{tabular}{l} 
Select 101, 102, 201, 202 as needed to reach \\
4th semester proficiency. You may select \\
specific courses from the Course Equivalency \\
Guide that satisfy these criteria. Determination is \\
made based on the semester and year the \\
course is taken.
\end{tabular} \\
Lower Division Elective & \(0-22\) hrs \\
\begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's \\
associate degree requirements.
\end{tabular}
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}
Maricopa Community College District
Communication, BA Pathway
\(2018-2019\)

ASU Major: Communication, BA | College of Integrative Sciences and Arts

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Communication B.A. degree program

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistic/Quantitative Analysis 3 hrs
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Natural Science [SQ, SG]
Natural Science
Natural Science

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
\begin{tabular}{l|l|l} 
COM 100: Introduction to Human Communication or & 0 hrs & Met by COM 100, COM 225, or COM 230. \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent.
\end{tabular}

Additional Lower Division Requirements
COM 207: Intro to COMMUNICATION 3 hrs
NQUIRY

Lower Division Second Language: Requirement satisfied through the (202 or equivalent), including American Sign Language IV

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Communication, BS Pathway
2018-2019
ASU Major: Communication, BS | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

3 hrs

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or
PSY 230: Introduction to Statistics

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Communication B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits.
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
COM 100: Introduction to Human
Communication
Social-Behavioral Science
Natural Science [SQ, SG]
Natural Science
Natural Science

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
\begin{tabular}{l|lll} 
COM 100: Introduction to Human Communication or & 0 hrs & MCCCD Additional Requirements COM course \\
COM 110: Interpersonal Communication or & or & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent.
\end{tabular}


Total Required Credits: 60

\section*{Pathway Agreement}
Maricopa Community College District
Communication, BS Pathway
\(2018-2019\)
ASU Major: Communication, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
COM 225: Public Speaking

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Analysis 3 hrs
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

3 hrs Meets MCCCD Additional Requirements below. \%

Humanities, Arts, and Design [HU

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

There are no special requirements for this pathway

Natural Science [SQ, SG]
Natural Science

Natural Science
4 hrs

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

\section*{\(0-3 \mathrm{hrs}\)}
\begin{tabular}{l|c} 
COM 100: Introduction to Human Communication or & \(0-3 \mathrm{hrs}\) \\
COM 110: Interpersonal Communication or & Met by COM 100 or COM 225. \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs \\
CRE 101: College Critical Reading &
\end{tabular}

Additional Lower Division Requirements
COM 207: Intro to COMMUNICATION
3 hrs
NQUIRY

COM 110: Interpersonal Communication or
COM 110AA: Interpersonal Communication
Part I and
COM 110AB: Interpersonal Communication
Part II and
Part II and
COM 241: Oral Interpretation of Literature or
THP 241: Oral Interpretation of Literature or
THP 241: Oral Interpretation of Literature o
COM 250: Introduction to Organizational
COM 250: Introduc
COM 163: Intercultural Communication in
Everyday Life or
COM 263: ELEMENTS OF
INTERCULTURAL COMM
Lower Division Elective \(\quad 5-22\) hrs

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Community Advocacy and Social Policy, BA Pathway
2018-2019
\end{abstract}

ASU Major: Community Advocacy and Social Policy, BA | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Advocacy and Social Policy, BA degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Analysis
[CS]

Humanities, Arts, and Design [HU]
SWU 183: Introductory Ethics: A Social Service Perspective OR

PHI 101: Introduction to Philosophy or
PHI 102: Introduction to Philosophy or PHI 105: Introduction to Ethics

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
SWU 182: A Social Services Perspective of
Government OR
POS 110: American National Government
PSY 101: Introduction to Psychology or
\begin{tabular}{lll} 
Natural Science [SQ, SG] & 4 hrs & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Natural Science [SQ, SG]
\end{tabular} \\
& Science requirement.
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{l} 
Additional Lower Division Requirements \\
SWU 171: Introduction to Social Welfare \\
SWU 181: Economics: A Social Issues \\
Perspective OR \\
ECN 211: Macroeconomic Principles \\
SWU 250: Mindfulness for Stress Management \\
SWU 291: Social Service Delivery Systems \\
Public Service Interdisciplinary Requirement
\end{tabular}\(\quad 3\) hrs

Total Required Credits: 60

\section*{Track/Groups}

Public Service Interdisciplinary Requirement
\begin{tabular}{l} 
Public Service Interdisciplinary Requirement \\
\hline AJS 212: Juvenile Justice Procedures or \\
\begin{tabular}{lc} 
AJS 225: Criminology or & Public Service Interdisciplinary \\
AJS 109: Substantive Criminal Law or & Requirement-Area 1 \\
AJS 270: Community Relations & Public Service Interdisciplinary \\
& Requirement \\
\hline
\end{tabular}
\end{tabular}

PAD 100: 21st Century Public Policy and Service or Public Service Interdisciplinary
PAD 200: Public Affairs Economics
Requirement-Area 2
Public Service Interdisciplinary
Requirement
REC 120: Leisure and the Quality of Life or Public Service Interdisciplinary
HRM 160: Tourism Principles And Practices Requirement-Area 3

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Community Health, BS Pathway
2018-2019

ASU Major: Community Health, BS | College of Nursing and Health Innovation

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

\section*{3 hrs}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Health B.S. degree program

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

PSY 230: Introduction to Statistics or
MAT 206. Elements of Statistics or SWU 225: Statistics for Social
Research/Justice and Government

Humanities, Arts, and Design [HU] HCR 210: Clinical Heal
Humanities, Arts, and Design 3 hrs
\(\square\)

Social-Behavioral Science [SB]
CFS 205: Human Development

PSY 101: Introduction to Psychology


Natural Science [SQ, SG]
BIO 201: Human Anatomy and Physiology

CHM 130: Fundamental Chemistry and CHM 130LL: Fundamental Chemistry Laborat OR


CHM 130AA: Fundamental Chemistry with Lab

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
BIO 202: Human Anatomy and Physiology
BIO 205: Microbiology
FON 241: Principles of Human Nutrition
\begin{tabular}{l} 
HCR 220: Introduction to Nursing and Health \\
Care Systems
\end{tabular}
\begin{tabular}{l} 
HCR 230: Culture and Health \\
HCR 240: Human Pathophysiology \\
SOC 101: Introduction to Sociology
\end{tabular}
Lower Division Elective

Total Required Credits: 64

\section*{Pathway Agreement}
Maricopa Community College District
Community Sports Management, BS Pathway
\(2018-2019\)

ASU Major: Community Sports Management, BS | College of Public Service and Community Solutions

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

Mathematical Studies [MA, CS]
MAT 140: College Mathematics
MAT 141. College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications [CS]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
AJS 101: Introduction To Criminal Just or
AJS 212: Juvenile Justice Procedures or
AJS 225: Criminology or
AJS 109: Substantive Criminal Law or
AJS 270: Community Relations
Natural Science [SQ, SG]
Natural Science
Natural Science

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

Meets MCCCD Additional Communication
Requirement.

REC 120: Leisure and the Quality of Life 3 hrs
REC 120: Leisure and the Quality of L

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Community Sports Management B.S. degree program.
COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
EXS 150: Introduction to Sports
Management
REC 150AB: Outdoor Adventure Skills
REC 210: Leisure Delivery Systems
REC 230: Programming of Recreation
Services
SWU 171: Introduction to Social Welfare or
SWU 181: Economics: A Social Issues Perspective or
SWU 18: A Social Services Perspective of Government or
SWU 183: Introductory Ethics: A Social Service Perspective or
SWU 250: Mindfulness for Stress Management

Total Required Credits: 63

\section*{Pathway Agreement}
Maricopa Community College District
Computational Mathematical Sciences, BS Pathway
\(2018-2019\)

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
CSC 110: Introduction to Computer Science
or
CSC 110AA: Introduction to Computer
Science or
CSC 110AB: Intro to Computer Science
(JAVA)

Humanities, Arts, and Design [HU] Humanities, Arts, and Design meets Literacy and Inquiry [L].

Humanities, Arts, and Design
```

3 hrs

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Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

\section*{3 hrs}

3 hrs

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Computational Mathematical Sciences B.S. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. 3.0 cumulative GPA in tracking courses CSC110, CSC205, MAT221, MAT231, MAT 241. Each of these courses must be completed with a grade of " \(B\) " or better.

AST 111: Introduction to Solar System Astronomy and
AST 113: Introduction to Solar System Astronomy Laboratory OR
BIO 181: General Biology (Majors) I OR

Complete a 2 -semester sequence lecture/lab combination. The same prefix must be selected for both Natural Science requirements.

CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory or
CHM 150AA: General Chemistry I or
CHM 151AA: General Chemistry I or
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I: MECHANICS
AST 112: Introduction to Stars, Galaxies, and Cosmology and AST 114: Intro to Stars, Galaxies, \& Cosmology Laboratory OR

BIO 182: General Biology (Majors) II OR
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II Laboratory or
CHM 152AA: General Chemistry II OR
PHY 116: University Physics II or
PHY 131: University Physics II: Electricity and Magnetism
omplete a 2 -semester sequence lecture/lab combination. The same prefix must be selected for both Natural Science requirements.

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
\(\left.\begin{array}{l|l}\text { MCCCD Additional Requirements } & \\
\text { CRE 101: College Critical Reading } & 0-3 \mathrm{hrs} \\
\text { COM 100: Introduction to Human Communication or } & 0-3 \mathrm{hrs}\end{array}\right)\)\begin{tabular}{l} 
COM 225 recommended, but not required, can \\
satisfy Literacy and Critical Inquiry (L).
\end{tabular}

COM 110: Interpersonal Communication or satisfy Literacy and Critical Inquiry (L)

COM 230: Small Group Communication
```

Additional Lower Division Requirements
CSC 205: Object Oriented Programming and
Data Structures or
CSC 205AA: Object Oriented Programming
and Data Structures or
CSC 205AB: Object Oriented Programming
and Data Structures or
CSC 205AC: Object Oriented Programming
and Data Structures or
CSC 205AD: Object Oriented Programming
and Data Structures
CSC 240: Introduction to Different Pro or 3-4 hrs
CSC 240AA: Introduction to Different Pro
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
MAT 262: Differential Equations or
MAT 276: Modern Differential Equations or
MAT 277: Modern Differential Equations
(o)
Science

```

Lower Division Science Sequence Course and SQ or SG Natural Science

Lower Division Elective

8 hrs Another one-year sequence of natural science is
required for the major. Select courses that
transfer as equivalencies to the track courses listed on the major map: https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LACMSBS/null/ALL/2018\#trackgroup
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Computer Information Systems, BS Pathway
2018-2019
ASU Major: Computer Information Systems, BS | W. P. Carey School of Business

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

CIS 105: Survey of Computer Information 3 hrs
Systems
Systems

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
4 hrs

\section*{(o)}

\section*{3 hrs}


Select at least one SQ within the Natural Science requirement

Pathway Notes
All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

This degree program requires meeting W. P. Carey Bachelor of Science requirements.

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business (ABUS-SR) and AGEC-B, meets major map requirements at ASU, and
guarantees admission to the university and admission to W.P. Carey Bachelor of Science degree.

In addition to a minimum 3.00 cumulative transfer GPA, students must meet one of the following for admission to the W. P. Carey Bachelor of Science degree program: SAT (math and critical reading sections only) score of 1230 (after March 2016) or 1160 (prior to March 2016), oran ACT (composite), OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses ( \(\mathrm{A}=4.00\) ). Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BS program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Only 64 credits are transferrable to ASU. Please refer to ASU Degree Search for information regarding readmissions requirements.
\begin{tabular}{ll} 
MCCCD Additional Requirements & \\
CIS 162AD: C\#: Level I & 3 hrs \\
CIS 250: Management INFORMATION & 3 hrs \\
SYSTEM &
\end{tabular}

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}
Additional Lower Division Requirements
ACC 111: Accounting Principles I and
ACC 230: Uses of Accounting Information
and
ACC 240: Uses of Accounting Information
OR
ACC 111: Accounting Principles I and
ACC 112: Accounting Principles II and
ACC 212: Managerial Accounting OR
ACC 211: Financial Accounting and
ACC 212: Managerial Accounting
MAT 217: Mathematical Analysis for
Business or
MAT 218: Mathematical Analysis for
Business
GBS 221: Business Statistics
GBS 205: LEGAL, ETHICAL/REGULATORY
ISSUES/BUS
COM 100: Introduction to Human Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication or
COM 259: COMM IN BUSINESS \& PROFESSIONS
PSY Course

Total Required Credits: 62

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Computer Science, BS Pathway

\section*{2018-2019}
\end{abstract}

ASU Major: Computer Science, BS | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry or
MAT 221: Calculus with Analytic Geometry I

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design for 3 of the 6 required HU hours.

Recommend selecting a course that satisfies Literacy \& Critical Inquiry, Social-Behavioral Sciences, Humanities, Arts, and Design, COM or CRE 101 requirements simultaneously.

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science


Natural Science [SQ, SG]
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
BIO 181: General Biology (Majors) I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism OR

BIO 182: General Biology (Majors) II

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or
greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Computer Science B.S. degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Computer Science BS program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be applying for admission or they will be and will not receive MAPP benefits. A total of 64 credit hours will transfer to Arizona State University
requirements at ASU, and
年
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MAT 230: Calculus with Analytic Geometry II 4-5 hrs
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III 4-5 hrs
MAT 241: Calculus with Analytic Geometry III

```

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G] 0-3 hrs

MCCCD Additional Requirements COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
CSC 110: Introduction to Computer Science
or
CSC 110AA: Introduction to Computer
Science or
CSC 110AB: Intro to Computer Science
(JAVA)
CSC 120: Digital Design Fundamentals or
EEE 120: Digital Design Fundamentals
CSC 205: Object Oriented Programming a or
CSC 205AA: Object Oriented Programming a
or
CSC 205AB: Object Oriented Programming a
CSC 240: Introduction to Different Pro

ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools an AND

ECE 103: Engineering Problem Solving a or ECE 103AB: Engineering Problem Solving a

EEE 230: COMPUTER ORG \& ASSEMBLY
LANGUAGE or
CSC 230: COMPUTER ORG \& ASSEMBLY LANGUAGE

MAT 227: Discrete Mathematical Structures

The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
\(4-5 \mathrm{hrs} \quad\) ASU degree requires 4 additional lab science credits that include GLG 101/103 as an option See
http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequireme for list of science options.

Total Required Credits: 66

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Computer Science (Cybersecurity), BS Pathway \\ 2018-2019
}

ASU Major: Computer Science (Cybersecurity), BS | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}

\section*{First-Year Composition [FYC]}
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

Mathematical Studies [MA]

MAT 220. Calculus with Analytic Geometry I or
MAT 221: Calculus with Analytic Geometry I

Humanities, Arts, and Design [HU]

Humanities, Arts, and Design

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Computer Science (Information Assurance) B.S. degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Computer Science (Information Assurance) BS program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A total of 64 credit hours will transfer to Arizona State University.

\section*{Social-Behavioral Science [SB]}

Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]

CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR

PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
BIO 181: General Biology (Majors) I

CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II Laboratory OR
PHY 116: University Physics II or
PHY 131: University Physics II: Electricity and Magnetism OR
BIO 182: General Biology (Majors) II

Recommend selecting a course that satisfies L (Literacy \& Critical Inquiry) and SB (Social-Behavioral Sciences) OR L (Literacy \& Critical Inquiry) and HU
Humanities \& Fine Arts), OR L (Literacy \& Critical Inquiry) and COM, or L (Literacy \& Critical Inquiry) and CRE 101 requirements simultaneously.

See note regarding Literacy and Critical
Inquiry for 3 of the 6 required HU hours.
See note regarding Literacy and Critical
Inquiry for 3 of the 6 required HU hours.
解 3 of the 6 required HU
\(\qquad\)

\section*{Subject Options}
MAT 230: Calculus with Analytic Geometry II or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III or
MAT 241: Calculus with Analytic Geometry III

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

\section*{MCCCD Additional Requirements}

COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

\section*{CRE 101: College Critical Reading}

Additional Lower Division Requirements
ECE 102: Engineering Analysis Tools an or
ECE 102AA: Engineering Analysis Tools an AND
ECE 103: Engineering Problem Solving a or ECE 103AB: Engineering Problem Solving a

CSC 110: Introduction to Computer Science or CSC 110AA: Introduction to Computer Science or
CSC 110AB: Intro to Computer Science (JAVA)

CSC 120: Digital Design Fundamentals or
EEE 120: Digital Design Fundamentals

CSC 205: Object Oriented Programming a or
CSC 205AA: Object Oriented Programming a or CSC 205AB: Object Oriented Programming a

CSC 240: Introduction to Different Pro

EEE 230: COMPUTER ORG \& ASSEMBLY LANGUAGE or
CSC 230: COMPUTER ORG \& ASSEMBLY LANGUAGE

MAT 227: Discrete Mathematical Structures

Lab Requirement

3 hrs
(0)

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Computer Science (Software Engineering), BS Pathway
}

2018-2019

ASU Major: Computer Science (Software Engineering), BS | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL © (o)
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Recommend selecting a course that satisfies \(L\) (Literacy \& Critical Inquiry) and SB (Social-Behavioral Sciences), OR L (Literacy \& Critical Inquiry) and HU (Humanities \& Fine Arts), OR L (Literacy \& Critical Inquiry) and COM, or L (Literacy \& Critical Inquiry) and CRE 101 requirements simultaneously.


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design for 3 of the 6 required HU hours

3 hrs

Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
CHM 151: General Chemistry I and \(\quad 4-5\) hrs Select the Biology, Chemistry or Physics CHM 151LL: General Chemistry I Laboratory OR

PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
BIO 181: General Biology (Majors) I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II Laboratory OR

PHY 116: University Physics II or
PHY 131: University Physics II: Electricity
and Magnetism OR
BIO 182: General Biology (Majors) II

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Computer Science (Software Engineering) B.S. degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Computer Science (Software Engineering) BS program is dependent upon calculation of the 3.0 cumulative transfer GPA Also, MAPP students transfer GPA. Also, MAPP student must have an associate degree in progress or a completed associate
degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A total of 64 credit hours will transfer to Arizona State University.
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MAT 230: Calculus with Analytic Geometry II 4-5 hrs
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III 4-5 hrs
MAT 241: Calculus with Analytic Geometry III

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General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication

CRE 101: College Critical Reading

Additional Lower Division Requirements CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals

CSC 205: Object Oriented Programming a or \(3-4\) hrs CSC 205AA: Object Oriented Programming a

CSC 205AB: Object Oriented Programming a
CSC 110: Introduction to Computer Scie or 3-4 hrs CSC 110AA: Introduction to Computer Scie or
CSC 110AB: Intro to Computer Science (JA
CSC 240: Introduction to Different Pro

ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools an AND

ECE 103: Engineering Problem Solving a or ECE 103AB: Engineering Problem Solving a

EEE 230: COMPUTER ORG \& ASSEMBLY LANGUAGE or
CSC 230: COMPUTER ORG \& ASSEMBLY LANGUAGE
MAT 227: Discrete Mathematical Structures 3 hrs

Lab Requiremen

Awareness Area courses may concurrently satisfy HU or SB requirements.

Awareness Area courses may concurrently satisfy HU or SB requirements.
\(0-3\) hrs
Complete CRE 101 or equivalent.
\(4-5 \mathrm{hrs}\)
4 hrs The combination of these two courses transfer
as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.

ASU degree requires 4 additional lab science credits that include GLG 101/103 as an option. See
http://cidse.engineering.asu.edu/forstudent/undergraduate/majors/computer-science-bs/degreerequireme for list of science options.

Total Required Credits: 66

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Computer Systems Engineering, BSE Pathway

\section*{2018-2019}
\end{abstract}

ASU Major: Computer Systems Engineering, BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}
\begin{tabular}{|c|c|c|}
\hline Engineering Core & & \\
\hline ECE 102: Engineering Analysis Tools an and ECE 103: Engineering Problem Solving a &  & The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both. \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition OR \\
ENG 107: First-Year Composition for ESL
\end{tabular} & & \\
\hline \begin{tabular}{l}
ENG 102: First-Year Composition OR \\
ENG 108: First-Year Composition for ESL
\end{tabular} & & \\
\hline \begin{tabular}{l}
MAT 220: Calculus with Analytic Geometry I or \\
MAT 221: Calculus with Analytic Geometry I
\end{tabular} & & \\
\hline \begin{tabular}{l}
MAT 230: Calculus with Analytic Geometry II or \\
MAT 231: Calculus with Analytic Geometry II
\end{tabular} & & \\
\hline \begin{tabular}{l}
MAT 240: Calculus with Analytic Geometry III or \\
MAT 241: Calculus with Analytic Geometry III
\end{tabular} & & \\
\hline MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations & & \\
\hline PHY 121: UNIVERSITY PHYSICS I: MECHANICS & & \\
\hline PHY 131: University Physics II: Electricity and Magnetism & & \\
\hline Humanities, Arts, and Design [HU] and General Education Awareness Areas [C, H, G] & \[
3 \mathrm{hrs}
\] & Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement. \\
\hline Social-Behavioral Science [SB] and General Education Awareness Areas [C, H, G] & \[
3 \mathrm{hrs}
\] & Take one course that satisfies Social-Behaviora Science AND an Awareness Area requirement. \\
\hline Additional Lower Division Requirements & & \\
\hline EEE 202: Circuits and Devices & 5 hrs & Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete EEE 202, MAT 227, CSC 110, CSC 120, CSC 205, CSC 220 and CSC 230 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU. \\
\hline CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR & & \\
\hline CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR & & \\
\hline BIO 181: General Biology (Majors) I OR & & \\
\hline BIO 182: General Biology (Majors) II & & \\
\hline
\end{tabular}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Computer Systems Engineering and Computer Systems Engineering (Information Assurance) BSE degree program.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requiremen courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of " C " or better.
```

CSC 110: Introduction to Computer Science
or
CSC 110AA: Introduction to Computer
Science or
CSC 110AB: Intro to Computer Science
(JAVA)
CSC 120: Digital Design Fundamentals or 4 hrs
EEE 120: Digital Design Fundamentals
CSC 205: Object Oriented Programming and
Data Structures or
CSC 205AA: Object Oriented Programming
and Data Structures or
CSC 205AB: Object Oriented Programming
and Data Structures

CSC 220: Programming for Computer
Engineers or
EEE 220: PROGRAMMING for COMPUTER
ENGINEERING

CSC 230: COMPUTER ORG \& ASSEMBLY
LANGUAGE or
EEE 230: COMPUTER ORG and
ASSEMBLY LANGUAGE

| MAT 227: Discrete Mathematical Structures | 3 hrs | MAT 227, CSC 110, CSC 120, CSC 205, CSC |
| :--- | :--- | :--- |
| 220 and CSC 230 must be taken before other |  |  |

```

Total Required Credits: 64

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Computer Systems Engineering (Cybersecurity), BSE Pathway \\ 2018-2019}

ASU Major: Computer Systems Engineering (Cybersecurity), BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Engineering Core} \\
\hline \multicolumn{2}{|l|}{ENG 107: First-Year Composition for ESL *} & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
ENG 102: First-Year Composition OR \\
ENG 108: First-Year Composition for ESL
\end{tabular}} \\
\hline ECE 102: Engineering Analysis Tools an and ECE 103: Engineering Problem Solving a &  & The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both classes to get credit for both. \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
MAT 220: Calculus with Analytic Geometry I or \\
MAT 221: Calculus with Analytic Geometry I
\end{tabular}} \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
MAT 230: Calculus with Analytic Geometry II or \\
MAT 231: Calculus with Analytic Geometry II
\end{tabular}} \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
MAT 240: Calculus with Analytic Geometry III or \\
MAT 241: Calculus with Analytic Geometry III
\end{tabular}} \\
\hline MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations & & \\
\hline PHY 121: UNIVERSITY PHYSICS I: MECHANICS & & \\
\hline PHY 131: University Physics II: Electricity and Magnetism & & \\
\hline Humanities, Arts, and Design [HU] and General Education Awareness Areas [C, H, G] & 3 hrs & Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement. \\
\hline Social-Behavioral Science [SB] and General Education Awareness Areas [C, H, G] & 3 hrs & Take one course that satisfies Social-Behaviora Science AND an Awareness Area requirement. \\
\hline
\end{tabular}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Computer Systems Engineering and Computer Systems Engineering (Information Assurance) BSE degree program.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of " C " or better.
\begin{tabular}{|c|c|c|}
\hline \multirow[t]{2}{*}{Additional Lower Division Requirements EEE 202: Circuits and Devices} & \multirow[t]{2}{*}{5 hrs} & \\
\hline & & Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete EEE 202, MAT 227, CSC 110, CSC 120, CSC 205, CSC 220 and CSC 230 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU. \\
\hline CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR & & \\
\hline CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR & & \\
\hline BIO 181: General Biology (Majors) I OR & & \\
\hline BIO 182: General Biology (Majors) II & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
CSC 110: Introduction to Computer Science (Java) or \\
CSC 110AA: Introduction to Computer Science (Java) or CSC 110AB: Intro to Computer Science (JAVA)
\end{tabular} & & \\
\hline CSC 120: Digital Design Fundamentals 4 hrs & & \\
\hline CSC 205: Object Oriented Programming and Data Structures or CSC 205AA: Object Oriented Programming and Data Structures or CSC 205AB: Object Oriented Programming and Data Structures & & \\
\hline \begin{tabular}{l}
CSC 220: Programming for Computer \\
EEE 220: PROGRAMMING for COMPUTER \\
ENGINEERING
\end{tabular} & & \\
\hline CSC 230: COMPUTER ORG \& ASSEMBLY 4 hrs LANGUAGE & & \\
\hline MAT 227: Discrete Mathematical Structures &  & MAT 227, CSC 110, CSC 120, CSC 205, CSC 220 and CSC 230 must be taken before other elective options \\
\hline Humanities, Arts, and Design [HU] and General Education Awareness Areas [C, H, G] & 0-3 hrs & Students should try to cover Cultural, Global, and Historical awareness areas within all of their HU/SB Courses. \\
\hline Social-Behavioral Science [SB] and General Education Awareness Areas [C, H, G] & 0-3 hrs & Students should try to cover Cultural, Global, and Historical awareness areas within all of their HU/SB Courses. \\
\hline
\end{tabular}

Total Required Credits: 64

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Construction Engineering, BSE Pathway

\section*{2018-2019}

ASU Major: Construction Engineering, BSE | Ira A. Fulton Schools of Engineering

Pathway Requirements

Engineering Core
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
ECE 102: Engineering Analysis Tools an and
ECE 103: Engineering Problem Solving a
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I

MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II


MAT 276: Modern Differential Equations or \(3-4\) hrs MAT 277: Modern Differential Equations

PHY 121: UNIVERSITY PHYSICS I:
MECHANICS or
PHY 115: University Physics I

PHY 131: University Physics II: Electricity and Magnetism or
PHY 116: University Physics II
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory ( 0 OR

CHM 150AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151AA: General Chemistry
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR

CHM 152AA: General Chemistry II
\begin{tabular}{lcl}
\begin{tabular}{l} 
Humanities, Arts, and Design and \\
AGEC Awareness Areas
\end{tabular} & 3 hrs & \begin{tabular}{l} 
Take one course that satisfies Humanities, Arts, \\
and Design AND an Awareness Area \\
requirement.
\end{tabular} \\
\begin{tabular}{l} 
Social-Behavioral Science and \\
AGEC Awareness Areas
\end{tabular} & 3 hrs
\end{tabular} \begin{tabular}{l} 
Take one course that satisfies Social-Behavioral \\
Science AND an Awareness Area requirement.
\end{tabular}

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all specia requirements meets ASU major map requirements and guarantees admission to the Civil Engineering (Environmental Engineering), Civil Engineering (Sustainable Engineering), and Construction Engineering BSE degree programs.

Pathway Notes: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.
3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of " C " or better.
\begin{tabular}{|c|c|c|c|}
\hline MAT 225: Elementary Linear Algebra & & 3 hrs & Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215 and ECN 211 before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU. \\
\hline ECN 211: Macroeconomic Principles or ECN 212: Microeconomic Principles & \[
\begin{aligned}
& 3 \text { hrs } \\
& 0
\end{aligned}
\] & & \\
\hline \begin{tabular}{l}
ECE 111: Bioengineering Systems or GLG 101: Introduction to Geology IPhysical Lecture or \\
BIO 181: General Biology (Majors) I or \\
BIO 182: General Biology (Majors) II
\end{tabular} & \[
\begin{gathered}
3-4 \mathrm{hrs} \\
0
\end{gathered}
\] & & \\
\hline ECE 211: Engineering Mechanics-Statics & 3 hrs & & \\
\hline ECE 212: Engineering Mechanics-Dynamic & 3 hrs & & \\
\hline ECE 215: Mechanics of Materials & 3 hrs & & \\
\hline EEE 202: Circuits and Devices & 5 hrs & & \\
\hline
\end{tabular}

Total Required Credits: 70

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Construction Management, BS Pathway \\ 2018-2019}

ASU Major: Construction Management, BS | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

\section*{3 hrs}
Mathematical Studies [MA, CS]
MAT 187: Precalculus OR
MAT 150: College Algebra / Functions and
MAT 182: Plane Trigonometry OR
MAT 151: College Algebra / Functions and
MAT 182: Plane Trigonometry OR
MAT 152: College Algebra / Functions and
MAT 182: Plane Trigonometry
MAT 206: Elements of Statistics

Humanities, Arts, and Design [HU]
CON 101: Construction and Culture

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Construction Management B.S. degree program.

Minimum transfer GPA of 3.00 and no high school math or science competency deficiencies. OR Minimum transfer GPA of 2.50 , and Minimum GPA of 2.75 in all ASU Tracking courses (critical courses), andnohigh school math or science competency deficiencies.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits.
All courses must be completed with a grade of "C" or better.

Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles \(\square\)3 hrs 3 hrs
(o)

Natural Science [SQ, SG]
PHY 111: General Physics I

Natural Science


\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
}

Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
\begin{tabular}{l|cc|} 
COM 100: Introduction to Human Communication or & \(0-3\) hrs & Satisfied by COM 225. \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or & & \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent.
\end{tabular}

Additional Lower Division Requirements
CON 241: Surveying 3 hr
CET 211: Strength of Materials 3 hrs

CON 244: Working Drawing Analysis: 3 hrs Blueprint Reading
CON 252: Building Construction Methods,
Materials, and Equipment
CON 243: Heavy Construction Equipment,
Methods, and Materials
CON 251: Microcomputers for Constructors
CNS 263: ELECTRICAL CONSTRUCTION
FUNDA
FCE 201: Introduction to Engineering S and
ECE 203: Applications of Engineering M OR
ECS
ECE 211: Engineering Mechanics-Statics

Total Required Credits: 61

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Counseling and Applied Psychological Science, BS Pathway \\ 2018-2019}

ASU Major: Counseling and Applied Psychological Science, BS | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
PSY 290AB: Research Methods or PSY 290AC: Research Methods

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Counseling and Applied Psychological Science B.S. degree program.
Mathematical Studies [MA, CS]
MAT 172: Finite Mathematics OR
MAT 150: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 151: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 152: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 187: Precalculus
PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU]
Humanities, Arts and Design (HU)

Humanities, Arts, and Design [HU]

\section*{3 hrs}


Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology

Social-Behavioral Sciences (SB)
Cultural Diversity in the U.S. (C)
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading and Critical Thinking
Additional Lower Division Requirements
BIO course \(\quad 4\) hrs \begin{tabular}{l} 
Select one course that transfers to ASU as a \\
course equivalent or department elective (DEC) \\
in the following ASU prefixes: ABS, BIO, or MIC.
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Criminology and Criminal Justice, BS Pathway
2018-2019
\end{abstract}

ASU Major: Criminology and Criminal Justice, BS | College of Public Service and Community Solutions

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs} (-)

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Criminal Justice \& Criminology B.S. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics OR
MAT 150: College Algebra/Functions or
MAT 151: College Algebra/Functions or
MAT 152: College Algebra/Functions
Computer/Statistics/Quantitative Analysis


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Natural Science [SQ, SG]

Natural Science

Natural Science

4 hrs
\%


General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
AJS 101: Introduction To Criminal Justice
AJS 113: Criminal Justice Crime Control
AJS 212: Juvenile Justice Procedures OR
AJS 109: Substantive Criminal Law OR
AJS 270: Community Relations
AJS 225: Criminology
AJS 230: The Police Function or
AJS 240: The Correction Function
REC 120: Leisure and the Quality of Life

Total Required Credits: 64

\section*{Pathway Agreement}
Maricopa Community College District
Digital Culture (Art), BA Pathway
\(2018-2019\)

ASU Major: Digital Culture (Art), BA | Herberger Institute for Design and the Arts

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
Computer/Statistics/Quantitative Analysis
Humanities, Arts, and Design [HU]
ARH 102: Renaissance Through
Contemporary or
ARH 115: History of Photography
Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science 3 hrs ©

Natural Science [SQ, SG]
Natural Science
Natural Science
4 hrs五

Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

\footnotetext{
rirs
\(0-3\) hrs [H] will be satisfied if ARH 102 taken. [G] could be taken along with HU
}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Art), BA degree program.

Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Students should submit the questionnaire in their last semester at the Community College. For more information, please visit: http://herbergerinstitute.asu.edu/degrees/digital

Special Requirements: 2.0 GPA in
course work used to satisfy MAPP
requirements. All courses must be
completed with a grade of " C " or better.

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading

Additional Lower Division Requirements
ARH 102: Renaissance Through Contempory or
ARH 115: History of Photography or
DAH 100: Introduction to Dance or
DAH 250: Dance in Popular Culture or
HUM 205: Introduction to Cinema or
HUM 206: INTRODUCTION TO TELEVISION ARTS or
HUM 210: Contemporary Cinema or
MHL 140: Survey of Music History or
MHL 143: Music in World Cultures or
MHL 145: American Jazz and Popular Music or
MHL 146: Survey of Broadway Musicals or
MHL 153: Rock Music and Culture or
MHL 155: Survey of American Music or
THE 111: Introduction to Theatre or
THE 206: Introduction to Television Arts or
THE 210: Contemporary Cinema

ART 112: Two-Dimensional Design or ART 113: Color

ART 185: 3-D Modeling for Animation or
ART 284: Intermedia Animation

ART 190: Art of Web Site Design or
ART 202: Digital Arts Survey or
ART 142: Introduction to Digital Photo or MTC 191. Electronic Music I or
ART 184: Computer Animation or
CIS 133DA: Internet/Web Development
Level I
CIS 120DA: Introduction to Digital Video or CIS 120DF: Adobe Photoshop Level I: Digital Imaging or
CIS 120DK: Introduction to Digital Video or
CIS 150: Programming Fundamentals or
MTC 180. COMPUTER LITERACY for
MUSICIANS or
CIS 120AJ: Introduction to Digital Photo

CIS 163AA: Java Programming: Level I or 3 hrs
CSC 110: Introduction to Computer Scie

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Digital Culture (Film), BA Pathway

\section*{2018-2019}

ASU Major: Digital Culture (Film), BA | Herberger Institute for Design and the Arts

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}
\(\square\)

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Film) BA degree program.

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

Computer/Statistics/Quantitative Analysis


3 hrs
\%

Humanities, Arts, and Design [HU] HUM 210: Contemporary Cinema or THF 210: Contemporary Cinema

Humanities, Arts, and DesignF

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science
3 hrs -

Natural Science [SQ, SG]
\begin{tabular}{lll} 
Natural Science \\
Natural Science & 4 hrs & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement. PHY 101 recommended.
\end{tabular} \\
\hline
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
ARH 102: Renaissance Through
Contempory or
ARH 112: History of Modern Art or
DAH 100: Introduction to Dance or
DAH 250: Dance in Popular Culture or
HUM 205: Introduction to Cinema or HUM 206: INTRODUCTION TO
TELEVISION ARTS or
MHL 140: Survey of Music History or
MHL 143: Music in World Cultures or MHL 145: American Jazz and Popular Music
or
MHL 146: Survey of Broadway Musicals or
MHL 153: Rock Music and Culture or
MHL 155: Survey of American Music or
THE 111: Introduction to Theatre or
THF 206: Introduction to Television Arts

ART 190: Art of Web Site Design or
ART 202: Digital Arts Survey or ART 142: Introduction to Digital Photo or MTC 191: Electronic Music I or ART 184: Computer Animation
CIS 120DA: Introduction to Digital Video or
CIS 120DF: Adobe Photoshop Level I: Digital
Imaging or
CIS 120DK: Introduction to Digital Video or
CIS 150: Programming Fundamentals or
MTC 180: COMPUTER LITERACY for
MUSICIANS or
CIS 120AJ: Introduction to Digital Photo

CIS 163AA: Java Programming: Level I or
CSC 110: Introduction to Computer Science
Complete any course that transfers to ASU
with a FMP, FMS, THP, or THE prefix.
Lower Division Elective 0-12 hrs

\section*{Pathway Agreement}
Maricopa Community College District
Digital Culture (Media Processing), BA Pathway
\(2018-2019\)

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry
```

3 hrs

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\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Media Processing), BA degree program.

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CSC 110: Introduction to Computer Science


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design


Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science 3 hrs \%
Natural Science [SQ, SG]
Natural Science
Natural Science
\begin{tabular}{l} 
Additional Lower Division Requirements \\
ART 190: Art of Web Site Design or \\
ART 202: Digital Arts Survey or \\
ART 142: Introduction to Digital Photo or \\
ART 184: Computer Animation or \\
MTC 191: Electronic Music I \\
\\
\\
CIS 120DA: Introduction to Digital Video or \\
CIS 120DF: Adobe Photoshop Level I: Digital \\
Imaging or \\
CIS 120DK: Introduction to Digital Video or \\
CIS 150: Programming Fundamentals or \\
MTC 180: COMPUTER LITERACY for \\
MUSICIANS or \\
CIS 120AJ: Introduction to Digital Photo \\
\begin{tabular}{l} 
CIS 163AA: Java Programming: Level I or \\
CIS 132: HTML/CSS or \\
CSC 100AA: Introduction to Computer \\
Science \\
CSC 205: Object Oriented Programming and \\
Data Structures \\
CSC 240: Introduction to Different \\
Crogramming Languages \\
Prs \\
MAT 225: Elementary Linear Algebra
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{ll} 
MAT 227: Discrete Mathematical Structures & \begin{tabular}{l}
3 hrs
\end{tabular} \begin{tabular}{l} 
As per "or permission of instructor" in Maricopa's \\
MAT227 course description, academic advisors
\end{tabular} \\
and other student services personnel are \\
authorized by Maricopa's Math Instructional \\
Council to approve MAT227 registration using \\
either MAT212/213 OR MAT220/221 (and
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}
Maricopa Community College District
Digital Culture (Music), BA Pathway
\(2018-2019\)

ASU Major: Digital Culture (Music), BA | Herberger Institute for Design and the Arts

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry
```

3 hrs

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\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Music), BA degree program.

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or \(\quad 3-4\) hrs
MAT 213: Brief Calculus or

Computer/Statistics/Quantitative Applications 3 hrs MTC 180: Computer Literacy for Musicians is

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design 3 hrs

Social-Behavioral Science [SB]
Social-Behavioral Science
Social-Behavioral Science
Natural Science [SQ, SG]
Natural Science
Natural Science

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 hreor
\(0-3\) hrs
Complete CRE 101 or equivalent.

Additional Lower Division Requirements ARH 102: Renaissance Through
Contemporary Art or
ARH 112: History of Modern Art or
DAH 100: Introduction to Dance or
DAH 250: Dance in Popular Culture or
HUM 205: Introduction to Cinema or
HUM 206: INTRODUCTION TO
TELEVISION ARTS or
HUM 210: Contemporary Cinema or
MHL 140: Survey of Music History or
MHL 143: Music in World Cultures or
MHL 145: American Jazz and Popular Music or
MHL 146: Survey of Broadway Musicals or
MHL 153: Rock Music and Culture or
MHL 155: Survey of American Music or
THE 111: Introduction to Theatre or
THE 206: Introduction to Television Arts or THE 210: Contemporary Cinema

ART 190: Art of Web Site Design or ART 202: Digital Arts Survey or
ART 142: Introduction to Digital Photo or MTC 191: Electronic Music I or
ART 184: Computer Animation
CIS 163AA: Java Programming: Level I or 3 hrs

CSC 110: Introduction to Computer Scie
CIS 120DA: Introduction to Digital Video or \(\quad 1-3\) hrs CIS 120DF: Adobe Photoshop Level I: Digital Imaging or
CIS 120DK: Introduction to Digital Video or
CIS 150: Programming Fundamentals or
MTC 180: COMPUTER LITERACY for
MUSICIANS or
CIS 120AJ: Introduction to Digital Photo
MTC 100: Fundamentals of Music or
MTC 101: Introduction to Music Theory or
MTC 105: Music Theory I and
MTC 106: Aural Perception I
MTC 120: Introduction to Sound Design or 3 hrs MTC 180: COMPUTER LITERACY for
MUSICIANS or
MTC 191. Electronic Music I or
MTC 192: Electronic Music II

Complete any course that transfers to ASU 3 hrs with a MUS, MUP, MUE, or MTC prefix.

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Digital Culture (Theatre), BA Pathway \\ 2018-2019}

ASU Major: Digital Culture (Theatre), BA | Herberger Institute for Design and the Arts

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL (o)
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}
\(\square\)

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Theatre), BA degree program.

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

CIS 163AA: Java Programming: Level I or 3 hrs CSC 110: Introduction to Computer Science *

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design 3 h

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science
3 hrs
\%

Natural Science [SQ, SG]
Natural Science

Natural Science

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]


MCCCD Additional Requirements

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
ARH 102: Renaissance Through
Contemporary Art or
ARH 112: History of Modern Art or
DAH 100: Introduction to Dance or
DAH 250: Dance in Popular Culture or
HUM 205: Introduction to Cinema or
HUM 206: INTRODUCTION TO
TELEVISION ARTS or
HUM 210: Contemporary Cinema or
MHL 140: Survey of Music History or
MHL 143: Music in World Cultures or
MHL 145: American Jazz and Popular Music
or
MHL 146: Survey of Broadway Musicals or
MHL 153: Rock Music and Culture or
MHL 155: Survey of American Music or
THE 111: Introduction to Theatre or
THE 206: Introduction to Television Arts or
THE 210: Contemporary Cinema
ART 190: Art of Web Site Design or
ART 202: Digital Arts Survey or
ART 142: Introduction to Digital Photo or MTC 191: Electronic Music I or
ART 184: Computer Animation

CIS 120DA: Introduction to Digital Video or
CIS 120DF: Adobe Photoshop Level I: Digital
Imaging or
CIS 120DK: Introduction to Digital Video or CIS 150: Programming Fundamentals or MTC 180: COMPUTER LITERACY for MUSICIANS or
CIS 120AJ: Introduction to Digital Photo

THP 216: Beginning Stage Lighting or 3 hrs THP 265: Introduction to Stage Management

THP 203: Technical Theatre Production or THP 213: Intro to Technical Theatre or THP 226: Theatrical Design: Costuming

THP 217: Intro to Design Scenography
Theater Production Elective 3 hrs THP THE or FMP prefix.

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Early Childhood and Early Childhood Special Education, BAE Pathway
}

2018-2019

ASU Major: Early Childhood and Early Childhood Special Education, BAE | Mary Lou Fulton Teachers College

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA requirement
CIS 105: Survey of Computer Information
Systems or
BPC 110: Computer Usage \& Applications or
CSC 180: Computer Literacy or
CSC 180AA: Computer Literacy or
CSC 180AB: Computer Literacy

Humanities, Arts, and Design [HU]
EDU 291: Children's Literature or
ENH 291: Children's Literature

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
POS 113: United States and Arizona Social Studies or GCU 113: United States and Arizona Social Studies or HIS 103: United States History to 1865

EDU 222: Intro to the Exceptional Learner or
EED 222: Introduction to the Exceptional
Young Child: Birth to Age Eight
```

3 hrs
\#
3 hrs
3 hrs
Course that fulfills Humanities, Arts, and Design [HU] and Global Awareness [G]

```

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Early Childhood Education/Early Childhood Special Education B.A.E. degree program and the iTeachAZ professional program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]
\begin{tabular}{l|lll}
\hline Cultural Diversity in the U.S. [C] & 0 hrs & 3 hours [C] met by EDU 222 or EED 222. \\
& & 0 hrs & Satisfied by HIS 103 or GCU 113/POS 113 \\
Historical or Global Awareness [H] or [G] & & (GCU/POS 227 prior to Fall 2016).
\end{tabular}
MCCCD Additional Requirements
COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} & \\
\hline CFS 235: Developing Child: Theory into Practice, Prenatal - Age 8 or EED 205: The Developing Child: Prenatal to Age Eight & 3 hrs & & \\
\hline EDU 230: CULTURAL DIVERSITY IN EDUCATION or EED 220: Child, Family, Community and Culture & 3 hrs & & \\
\hline \begin{tabular}{l}
EED 215: HEALTH, SAFETY, NUTRITION/FITNESS OR \\
CFS 123: HLTH/NUTRITION-EARLY \\
CHILDHOOD and \\
CFS 125: SAFETY IN EARLY CHILDHOOD SETTINGS
\end{tabular} & 2-3 hrs & & \\
\hline EDU 221: Introduction to Education or EED 200: Foundations of Early Childhood Education & 3 hrs & & \\
\hline POS 221: Arizona Constitution & & 0-1 hrs & POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB]. \\
\hline MAT 256: Investigating Quantity: Number, Operations and Numeration Systems & 4 hrs & & \\
\hline MAT 257: Investigating Geometry, Probability and Statistics & 4 hrs & & \\
\hline Art, dance, music, theater, design, film, any foreign language course, or any humanities course. &  & & \\
\hline Lower Division Elective & & 0-3 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. GCU114/POS 114 recommended. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Earth and Environmental Studies, BA Pathway
2018-2019
\end{abstract}

ASU Major: Earth and Environmental Studies, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\author{
Special Requirements
}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Earth \& Environmental Studies B.A. degree program.
greater.

Mathematical Studies [MA, CS]
MAT 187: Precalculus OR
MAT 150: College Algebra and
MAT 182: Plane Trigonometry or
MAT 151: College Algebra and
MAT 182: Plane Trigonometry or
MAT 152: College Algebra and
MAT 182: Plane Trigonometry OR
MAT 212: Brief Calculus or
MAT 213: Brief Calculus OR
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
Computer/Statistics/Quantitative Analysis 3 hrs

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

\section*{3 hrs}

3 hrs
Social-Behavioral Science 3 h

Natural Science [SQ, SG]
```

BIO 100: Biology Concepts or
BIO 102: GEN
BIO(NON-MAJORS)ADDITIONAL or
BIO 182: General Biology (Majors) II or
PHY 111: General Physics I or
PHY 101: Introduction to Physics
CHM 150: General Chemistry I and 4-5 hrs
CHM 151LL: General Chemistry I Laboratory ,
or
CHM 150AA: General Chemistry I or
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
or
CHM 151AA: General Chemistry I or
CHM 130: Fundamental Chemistry and
CHM 130LL: Fundamental Chemistry
Laboratory

```

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G] 0-3 hrs
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements
GLG 101: Introduction to Geology I and
GLG 103: Introduction to Geology I -
GLG 102: Intro to GEOLOGY II-HISTORICAL LECTURE and GLG 104: Intro to Geology II Lab-Historical OR

GLG 106: Life in the Universe and
GLG 107: Life in the Universe Laboratory OR
GLG 110: Geological Disasters and the Environment and GLG 111: GEOL DISASTERS and ENVIRONMENT LAB
\begin{tabular}{l}
\begin{tabular}{l} 
Lower Division Second Language: Requirement satisfied through the \\
following: Completion of a language course at the intermediate level \\
(202 or equivalent), including American Sign Language IV.
\end{tabular} \\
\begin{tabular}{ll} 
Lower Division Elective & \(0-16\) hrs
\end{tabular} \\
\begin{tabular}{l} 
For Second Language: Select 101, 102, 201, \\
202 as needed to reach 4th semester \\
proficiency.
\end{tabular} \\
\hline \(0-13\) hrs
\end{tabular} \begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's \\
associate degree requirements.
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Earth and Space Exploration, BS Pathway
2018-2019
\end{abstract}

ASU Major: Earth and Space Exploration, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]
```

Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I 4-5 hrs
MAT 221: Calculus with Analytic Geometry I

```
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS

PHY 116: University Physics II or
PHY 131: University Physics II: Electricity and Magnetism
Subject Options
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
or
CHM 150AA: General Chemistry I or
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory or
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
aboratory or
CHM 152AA: General Chemistry II or
CHM 154: General Chemistry II with
Qualitative Analysis and
CHM 154LL: General Che
MAT 277: Modern Differential Equations or \(3-4\) hrs
MAT 276: Modern Differential Equations

Lower Division Elective associate degree requirements.

Total Required Credits: 60

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Earth and Space Exploration (Astrophysics), BS Pathway \\ 2018-2019
}

ASU Major: Earth and Space Exploration (Astrophysics), BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Earth \& Space Exploration (Astrophysics) B.S. degree program.
```

Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I 4-5 hrs
MAT 221: Calculus with Analytic Geometry I

```
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design
B

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science
3 hrs
-
3 hrs

3 hrs See note regarding Literacy and Critical Inquiry

Natural Science [SQ, SG]
PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS

PHY 116: University Physics II or
PHY 131: University Physics II: Electricity and Magnetism

Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR

COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
Additional Lower Division Requirements
AST 111: Introduction to Solar System and
AST 113: Introduction to Solar System
AST 112: Introduction to Stars, Galaxies, and
Cosmology and
AST 114: Introduction to Stars, Galaxies, \&
Cosmology Laboratory
MAT 276: Modern Differential Equations or
MAT 277: Modern Differential Equations
Lower Division Elective

Total Required Credits: 60

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Earth and Space Exploration (Geological Sciences), BS Pathway \\ 2018-2019
}

ASU Major: Earth and Space Exploration (Geological Sciences), BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}
First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Earth \& Space Exploration (Geological Sciences) B.S
greater.

\section*{Special Requirements} degree program.
```

Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I 4-5 hrs
or
MAT 221: Calculus with Analytic Geometry I

```
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]
3 hrs
5

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]
3 hrs
-

\section*{See note regarding Literacy and Critical Inquiry}

3 hrs for 3 of the 6 required SB hours.


PHY 131: University Physics II: Electricity and Magnetism
Subject Options
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III or
MAT 241: Calculus with Analytic Geometry III
Natural Science [SQ, SG]
PHY 115: University Physics I or
PHY 115: University Physics I or
MECHANICS

PHY 116: University Physics II or
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or[G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{l} 
Additional Lower Division Requirements \\
CHM 150: General Chemistry I and \\
CHM 151LL: General Chemistry I Laboratory \\
or \\
CHM 150AA: General Chemistry I or \\
CHM 151: General Chemistry I and \\
CHM 151LL: General Chemistry I Laboratory \\
or \\
CHM 151AA: General Chemistry I \\
\begin{tabular}{l} 
CHM 152: General Chemistry II and \\
CHM 152LL: General Chemistry II \\
Laboratory or \\
CHM 152AA: General Chemistry II \\
GLG 101: Introduction to Geology I - \\
Physical Lecture and \\
GLG 103: Introduction to Geology I - \\
Physical Lab
\end{tabular} \\
\begin{tabular}{l} 
GLG 102: Intro to GEOLOGY II-HISTORICAL LECTURE and \\
GLG 104: Introduction to Geology II - Historical Lab
\end{tabular} \\
\begin{tabular}{l} 
Lower Division Elective
\end{tabular} \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Economics, BS Pathway

\section*{2018-2019}

ASU Major: Economics, BS | W. P. Carey School of Business

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles


Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

Select at least one SQ within the Natural
Science requirement.Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or better.

Pathway Notes
All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

This degree program requires meeting W. P. Carey Bachelor of Science requirements.

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

In addition to a minimum 3.00 cumulative transfer GPA, students must meet one of the following for admission to the W. P. Carey Bachelor of Science degree program: SAT (math and critical reading sections only) score of 1230 (after March 2016) or 1160 (prior to March 2016),oran ACT (composite), OR an ACT composite score of 25 or higher OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses ( \(\mathrm{A}=4.00\) )

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business (ABUS-GR) and AGEC-B, meets major map requirements at ASU, and guarantees admission to the universityand admission to W.P. Carey Bachelor of Science degree. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BS program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Only 64 credits are transferrable to ASU. Please refer to ASU Degree Search for information regarding readmissions requirements.

MCCCD Additional Requirements ABUS Business Electives
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for 3-4 hrs Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication or to meet Literacy and Critical Inquiry [L]. \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Economics, BS Pathway
\end{abstract}

2018-2019
ASU Major: Economics, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry
3 hrs
E

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Economics B.S. degree program.
greater.
```

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus or
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or
SWU 225: Statistics for Social
Research/Justice and Government or
PSY 230: Introduction to Statistics

```

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles

\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline \multirow[t]{2}{*}{Natural Science} & 4 hrs & Select at least one SQ within the Natural \\
\hline & \% & Science requirement. \\
\hline \multirow[t]{2}{*}{Natural Science} & 4 hrs & Select at least one SQ within the Natural \\
\hline & * & Science requirement. \\
\hline
\end{tabular}

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}

Science requirement.
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
MAT 217: Mathematical Analysis for
Business or
MAT 218: Mathematical Analysis for
Business or
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
Lower Division Elective

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Educational Studies, BAE Pathway
2018-2019

ASU Major: Educational Studies, BAE | Mary Lou Fulton Teachers College

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs}
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement.
CIS 105: Survey of Computer Information
Systems or
BPC 110: Computer Usage \& Applications or
CSC 180: Computer Literacy or
CSC 180aa: Computer Literacy or
CSC 180ab: Computer Literacy

Humanities, Arts, and Design [HU]
EDU 291: Children's Literature or
ENH 291: Children's Literature

Humanities, Arts, and Design

Social-Behavioral Science [SB]
EDU 221: Introduction to Education or
EED 200: Foundations of Early Childhood
Education
EDU 222: Intro to EXCEPTIONAL LEARNER
or
EED 222: INTRO EXCPT YNG CHLD:
BIRTH-8
or
BIRTH-8

Natural Science [SQ, SG]
Natural Science

Natural Science

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Educational Studies B.A.E. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

The Bachelor of Arts in Education (BAE) in educational studies is designed to prepare students to work with children and youth outside of a traditional classroom setting. While this degree does not lead to teacher certification, it will provide a foundation of knowledge in educational practices for use in the community setting

Select at least one SQ within the Natural Science requirement
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
EDU 230: CULTURAL DIVERSITY IN
EDUCATION or
EED 220: Child, Family, Community and
Culture
\begin{tabular}{l} 
EED 215: HEALTH, SAFETY, \\
NUTRITION/FITNESS OR \\
CFS 123: HLTH/NUTRITION-EARLY \\
CHILDHOOD and \\
CFS 125: SAFETY IN EARLY CHILDHOOD \\
SETTINGS
\end{tabular}
\begin{tabular}{ll} 
Educational Studies Track Courses & \(2-3\) hrs \\
Lower Division Elective & \(0-6\) hrs
\end{tabular} \begin{tabular}{l} 
Check the ASU major map for the Educational \\
Studies Track Courses in which you are \\
interested in and complete the course(s) in that \\
track listed in the Track/Groups section below. If \\
interested in the Environmental Education, \\
Global Studies, Health Innovation, or Nonprofit \\
Administration track, the courses will need to be \\
completed at ASU.
\end{tabular}
Lower Division Electives should be completed
once all other requirements have been met and
only if needed to complete community college's
associate degree requirements.

Total Required Credits: 60

\section*{Track/Groups}

Educational Studies Track Courses
\begin{tabular}{l} 
Educational Studies Track Course \\
\hline ECN 211: Macroeconomic Principles \\
Educational Studies Track Course \\
Edusiness Educational Studies Track \\
Course
\end{tabular}

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Electrical Engineering, BSE Pathway \\ 2018-2019}

ASU Major: Electrical Engineering, BSE | Ira A. Fulton Schools of Engineering

Pathway Requirements
\begin{tabular}{|c|c|}
\hline ering Core & \\
\hline ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL &  \\
\hline ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL &  \\
\hline ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND &  \\
\hline ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design & \\
\hline \begin{tabular}{l}
MAT 220: Calculus with Analytic Geometry I or \\
MAT 221: Calculus with Analytic Geometry I
\end{tabular} &  \\
\hline \begin{tabular}{l}
MAT 230: Calculus with Analytic Geometry II or \\
MAT 231: Calculus with Analytic Geometry II
\end{tabular} &  \\
\hline \begin{tabular}{l}
MAT 240: Calculus with Analytic Geometry II or \\
MAT 241: Calculus with Analytic Geometry II
\end{tabular} &  \\
\hline MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations & 3-4 hrs \\
\hline CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR &  \\
\hline CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR & \\
\hline CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I & \\
\hline CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory &  \\
\hline \begin{tabular}{l}
PHY 121: UNIVERSITY PHYSICS I: \\
MECHANICS or \\
PHY 115: University Physics I
\end{tabular} &  \\
\hline PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II &  \\
\hline
\end{tabular}

PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena

Humanities, Arts, and Design and AGEC Awareness Areas

Social-Behavioral Science and AGEC Awareness Areas

Students should complete PHY 241, EEE 120, EEE 202, EEE 230, CSC 100 before taking any other Additional Lower Division Requirements isted. Any other Additional Lower Division Requirements listed can be completed after transfer to ASU.
Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area equirement.
3 hrs Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all specia requirements meets ASU major map requirements and guarantees admission to the Electrical Engineering and Electrical Engineering (Electric and Power Systems) BSE degree program.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of "C" or better.

Additional Lower Division Requirements CSC 100: Introduction to Computer Science 3 hrs
ECN 211: Macroeconomic Principles or \(0-3\) hrs May be completed after transfer to ASU. ECN 212: Microeconomic Principles

CSC 120: Digital Design Fundamentals or 4 hrs EEE 120: Digital Design Fundamentals

EEE 202: Circuits and Devices 5 hrs
CSC 230: COMPUTER ORGANIZATION \& 4 hrs ASSEMBLY LANGUAGE or
EEE 230: COMPUTER ORGANIZATION and ASSEMBLY LANGUAGE

Total Required Credits: 67

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Electrical Engineering (Electric Power and Energy Systems), BSE Pathway \\ 2018-2019}

ASU Major: Electrical Engineering (Electric Power and Energy Systems), BSE | Ira A. Fulton Schools of Engineering

Pathway Requirements
Engineering Core
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
ECE 102: Engineering Analysis Tools an or
ECE 102AA: Engineering Analysis Tools and
Techniques AND
ECE 103: Engineering Problem Solving and
Design or
ECE 103AB: Engineering Problem Solving
and Design
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
MAT 277: Modern Differential Equations
PHY 131: University Physics II: Electricity
and Magnetism
MECHAN 121: UNIVERSITY PHYSICS I:
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I or
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
Laboratory
Mes

PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena

Humanities, Arts, and Design and
AGEC Awareness Areas
Social-Behavioral Science and
AGEC Awareness Areas

4 hrs Students should complete PHY 241, EEE 120, EEE 202, EEE 230, CSC 100 before taking any EEE 202, EEE 230, CSC 100 before taking any other Additional Lower Division Requirements sted. Any other Additional Lower Division Requirements listed can be completed after ransfer to ASU.
3 hrs Take one course that satisfies Humanities, Arts, and Design AND an Awareness Area requirement.
Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all specia requirements meets ASU major map requirements and guarantees admission to the Electrical Engineering and Electrical Engineering (Electric and Power Systems) BSE degree program.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of " C " or better.
CSC 100: Introduction to Computer Science
CSC 120: Digital Design Fundamentals or
EEE 120: Digital Design Fundamentals
ECN 211: Macroeconomic Principles OR
ECN 212: Microeconomic Principles
ECE 202: Circuits and Devices

EEC 230: COMPUTER ORGANIZATION \&
CSC
ASSEMBLY LANGUAGE or
EEE 230: COMPUTER ORGANIZATION and
ASSEMBLY LANGUAGE

Total Required Credits: 67

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Elementary Education, BAE Pathway \\ 2018-2019 \\ ASU Major: Elementary Education, BAE | Mary Lou Fulton Teachers College
}

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

\section*{3 hrs}


\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts
Elementary Education degree (AAEE) and AGEC-A, meets major map requirements at ASU, and guarantees requirements at ASU, and guarantees or Elementary Education (Bilingual or Elementary Education (Bilingua
Education/English as a Second Education/English as
Language) or Special
Education/Elementary Education B.A.E. degree program and the iTeachAZ professional program.

While a 2.0 is the minimum GPA for
ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.
Humanities, Arts, and Design [HU]
ARH 100: Introduction to Art OR
ARH 101: Prehistoric through Gothic Art OR
ARH 102: Renaissance Through
Contemporary Art OR
DAH 100: Introduction to Dance OR
DAH 201: World Dance Studies OR
DAH 250: Dance in Popular Culture OR
MHL 140: Survey of Music History OR
MHL 145: American Jazz and Popular Music
OR
MHL 146: Survey of Broadway Musicals OR
MHL 153: Rock Music and Culture OR
THE 111: Introduction to Theatre OR
THE 220: Modern Drama
EDU 291: Children's Literature or
ENH 291: Children's Literature
ECH 176: Child Development or
CFS 176: Child Development or
CFS 205: Human Development

HIS 103: United States History to 1865 or
POS 113: United States and Arizona Social Studies or

HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.

Natural Science [SQ, SG]
Natural Science

Natural Science

Complete a Life Sciences course (choose from BIO prefix). One of the two natural science courses selected must be SQ.
Complete a Physical or Earth/Space Science Course (choose from AGS, ASM, AST, CHM, GLG, GPH, PHS, PHY)

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements EDU 221: Introduction to Education
EDU 222: Intro to EXCEPTIONAL LEARNER 3 hrs

EDU 230: CULTURAL DIVERSITY IN 3 hrs EDUCATION
MAT 256: Investigating Quantity: Number, \(\quad 4\) hr
Operations and Numeration Systems

MAT 257: Investigating Geometry, 4 hrs Probability and Statistics

Select any EDU course(s) (except EDU 221, 3 hrs 222, 230 and 250) for 3 credits.
\begin{tabular}{ll} 
POS 221: Arizona Constitution & \(0-1\) hrs
\end{tabular} \begin{tabular}{l} 
POS 221: Take to meet AZ Constitution \\
requirement if HIS 103 was taken rather than \\
GCU/POS 113 (GCU/POS227 prior to 2016) for \\
[SB].
\end{tabular}

Total Required Credits: 63

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Elementary Education (Bilingual Education and English as a Second Language), BAE Pathway 2018-2019}

ASU Major: Elementary Education (Bilingual Education and English as a Second Language), BAE | Mary Lou Fulton Teachers College

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101. Composition [FYC]
ENG 107: First-Year Composition or

ENG 102: First-Year Composition or 3 hrs


Literacy and Critical Inquiry [L] COM 225: Public Speaking3 hrs

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
Higher level course that meets MA requirement
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CIS 105: Survey of Computer Information
Systems or
BPC 110: Computer Usage \& Applications

```

Humanities, Arts, and Design [HU ARH 100: Introduction to Art OR

ARH 101: Prehistoric through Gothic Art OR
ARH 102: Renaissance Through
Contemporary Art OR
DAH 100: Introduction to Dance OR
DAH 201: World Dance Studies OR
DAH 250: Dance in Popular Culture OR
MHL 140: Survey of Music History OR
MHL 145: American Jazz and Popular Music OR

MHL 146: Survey of Broadway Musicals OR
MHL 153: Rock Music and Culture OR
THE 111: Introduction to Theatre OR

THE 220: Modern Drama

EDU 291: Children's Literature or ENH 291: Children's Literature

Students must meet one of the following MCCCD prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152, or MAT120/121/122 AND 140/141/142, or MAT140/141/142 AND placement test score to permit enrollment in MAT150/151/152 or higher.

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts Elementary Education degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Elementary Education or Elementary Education (Bilingual Education/English as a Second Language) or Special
Education/Elementary Education B.A.E. degree program and the iTeachAZ professional program

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.
```

ECH 176: Child Development or CFS 176: Child Development o CFS 205: Human Development
HIS 103: United States History to 1865 or
POS 113: United States and Arizona Social Studies or GCU 113: United States and Arizona Social Studies

```

Natural Science [SQ, SG]
\begin{tabular}{|c|c|c|}
\hline Natural Scien & & \\
\hline Natural Science &  & Complete a Life Sciences course (choose from BIO prefix). One of the two natural science courses selected must be SQ. \\
\hline Natural Science & 4 hrs & Complete a Physical or Earth/Space Science Course (choose from AGS, ASM, AST, CHM, \\
\hline
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
Satisfied by HIS 103 or GCU 113/POS 113 (GCU/POS 227 prior to Fall 2016).

MCCCD Additional Requirements
\begin{tabular}{l|cc|} 
COM 100: Introduction to Human Communication or & \(0-3\) hrs & Met by COM 225 for Literacy and Critical Inquiry. \\
COM 110: Interpersonal Communication or \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent. \\
CRE 101: College Critical Reading & &
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline EDU 221: Introduction to Education & & 3 hrs & EDU 221 is an acceptable MAPP course substituion for USL 216. \\
\hline EDU 222: Intro to EXCEPTIONAL LEARNER & 3 hrs & & \\
\hline EDU 230: CULTURAL DIVERSITY IN EDUCATION & 3 hrs & & \\
\hline MAT 256: Investigating Quantity: Number, Operations and Numeration Systems & 4 hrs & & \\
\hline MAT 257: Investigating Geometry, Probability and Statistics & 4 hrs & & \\
\hline Select any EDU course(s) (except EDU 221, 222, 230 and 250) for 3 credits. & 3 hrs & & \\
\hline POS 221: Arizona Constitution & & 0-1 hrs & POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB]. \\
\hline Art, dance, music, theater, or foreign language. & & 3 hrs & Select from art, dance, music, theater, or foreign language with an approved AAEE restricted elective prefix. \\
\hline Lower Division Elective & & 0-2 hrs & Restricted Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Elementary Education (Science, Technology, Engineering and Mathematics), BAE Pathway \\ 2018-2019
}

ASU Major: Elementary Education (Science, Technology, Engineering and Mathematics), BAE | Mary Lou Fulton Teachers College

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL


ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

\section*{3 hrs}


Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA requirement

CIS 105: Survey of Computer Information
Systems or
BPC 110: Computer Usage \& Applications

Students must meet one of the following MCCCD prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152, or MAT120/121/122 AND 140/141/142, or MAT140/141/142 AND olacement test score to permit enrollment in MAT150/151/152 or higher.

Humanities, Arts, and Design [HU]
ARH 100: Introduction to Art or
ARH 101: Prehistoric through Gothic Art or ARH 102: Renaissance Through Contemporary Art

EDU 291: Children's Literature or ENH 291: Children's Literature

Social-Behavioral Science [SB]

POS 113: United States and Arizona Social Studies or GCU 113: United States and Arizona Social Studies or HIS 103: United States History to 1865

ECH 176: Child Development or CFS 176: Child Development or CFS 205: Human Development

\footnotetext{
4 hrs One of the two natural science courses selected must be SQ. Choose from BIO prefix

Choose from AGS, ASM, AST, CHM, GLG, GPH, PHS, PHY
}

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts
Elementary Education degree and
AGEC-A, meets major map
requirements at ASU, and guarantees admission to the Elementary Education (Science, Technology, Engineering and (Science, Technology, Engineering an and the iTeachAZ professional program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.
\begin{tabular}{lll} 
Cultural Diversity in the U.S. [C] & 0 hrs & 3 hours [C] met by EDU 222 or EDU 230. \\
Historical or Global Awareness [H] or [G] & 0 hrs & 3 hours [H] met by HIS 103 or GCU 113 or POS \\
& 113.
\end{tabular}
\begin{tabular}{l|l|l} 
MCCCD Additional Requirements & & \\
COM 100: Introduction to Human Communication or & \(0-3\) hrs & Met by COM 225 for Literacy and Critical Inquiry. \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or & \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent. \\
CRE 101: College Critical Reading & &
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline EDU 221: Introduction to Education & & 3 hrs & EDU 221 is an acceptable MAPP course substituion for USL 216. \\
\hline EDU 222: Introduction to the Exceptional Learner & 3 hrs & & \\
\hline EDU 230: CULTURAL DIVERSITY IN EDUCATION & 3 hrs & & \\
\hline MAT 256: Investigating Quantity: Number, Operations and Numeration Systems & 4 hrs & & \\
\hline MAT 257: Investigating Geometry, Probability and Statistics & 4 hrs & & \\
\hline EDU Elective & & 3 hrs & Select any EDU course (Except EDU 221, EDU 222, EDU 230 and EDU 250) \\
\hline POS 221: Arizona Constitution & & 0-1 hrs & Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 for [SB]. \\
\hline Math or Science Track Courses & & 8-9 hrs & Please select a math or science track. Math track students should take any math classes that have not already been completed higher than MAT 150/151/152. Science track students should take any courses with the prefix BIO or CHM that have not already been completed and is transferable to ASU. Please consult the track courses listed below and confirm though aztransfer.com course equivalency guide. \\
\hline
\end{tabular}

Total Required Credits: 63

\section*{Track/Groups}

Math or Science Track Courses

\section*{Math or Science Track Courses}

MAT 150: College Algebra / Functions or
MAT 151: College Algebra / Functions or MAT 152: College Algebra / Functions OR

MAT 182: Plane Trigonometry OR
MAT 212: Brief Calculus OR
MAT 220: Calculus with Analytic Geometry I or
MAT 221: Calculus with Analytic Geometry I OR
CHM 130: Fundamental Chemistry or
CHM 130LL: Fundamental Chemistry Laborat OR
BIO 181: General Biology (Majors) I OR
BIO 201: Human Anatomy and Physiology

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Engineering, BSE Pathway

\section*{2018-2019}
\end{abstract}

ASU Major: Engineering, BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}
First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
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MAT 220: Calculus with Analytic Geometry I $4-5$ hrs
MAT 221: Calculus with Analytic Geometry I

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Mathematical Studies [MA]

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Natural Science [SQ, SG]
CHM 151LL: General Chemistry I Laboratory OR
CHM 150AA: General Chemistry I OR
CHM 151AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
PHY 115: University Physics I

CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR

PHY 131: University Physics II: Electricity and Magnetism OR
PHY 116: University Physics II

Recommend selecting a course that satisfies iteracy \& Critical Inquiry, Social-Behavioral Sciences, Humanities \& Fine Arts, COM, or CRE 101 requirements simultaneously.

3 hrs Recommend that SB course also includes [C].

Recommend that HU course also includes \([\mathrm{H}]\).


\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all specia requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering BSE;Engineering (Automotive BSE;Engineering (Automotive
Systems):Engineering (Electrical Systems); Engineering (Electrical
Systems); Engineering (Robotics); Systems); Engineering (Robotics);
Engineering (Mechanical Engineering Engineering (Mechanical Engineering
Systems) degree program within the Polytechnic School in the Ira A Fulton Schools of Engineering.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credit.
```

MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III 4-5 hrs

```
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{l} 
Additional Lower Division Requirements \\
CSC 100: Introduction to Computer Science \\
(C++) or \\
CIS 163AA: Java Programming: Level I or \\
CSC 100AA: Introduction to Computer \\
Science (C++) or \\
CSC 100AB: Intro to COMPUTER SCIENCE \\
(C++) or \\
CSC 110: Introduction to Computer Science \\
(Java) or \\
CSC 110AA: Introduction to Computer \\
Science (Java) or \\
CSC 110AB: Intro to Computer Science \\
(JAVA) or \\
CSC 150: Programming in C/C++ or \\
CSC 150AA: Programming in C/C++ or \\
CSC 182: Principles of Programming \\
W/C\#.Net or \\
CSC 182AA: Principles of Programming \\
W/C\#.Net or \\
DFT 105AA: CAD I: AUTOCAD \\
ECE 102: Engineering Analysis Tools or \\
ECE 102AA: Engineering Analysis Tools and \\
Techniques AND \\
ECE 103: Engineering Problem Solving and \\
Design or \\
ECE 103AB: Engineering Problem Solving \\
and Design \\
ECE 201: Introduction to Engineering Statics \\
EC \\
and \\
ECE 202: Introduction to Engineering \\
Dynamics and \\
ECE 203: App OR \\
ECE 202: Circuits and Devices \\
MAT 261: Differential Equations or \\
MAT 262: Differential Equations or \\
MAT 276: Modern Differential Equations or \\
MAT 277: Modern Differential Equations \\
and \\
ECE 212: Engineering Mechanics-Statics \\
OR \\
ECE 214: Engineering Mechanics \\
\\
ECE 215: Mechanics of Materials or \\
CSC 120: Digital Design Fundamentals or \\
EEE 120: Digital Design Fundamentals \\
\hline
\end{tabular}

CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
CHM 150AA: General Chemistry I OR
CHM 151AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
PHY 115: University Physics I

\section*{Lower division secondary focus area}
If Natural Science requirements are met with CHM PHY must be selected to meet this requirement. If Natural Science requirements are met with PHY, CHM must be selected to meet this requirement

The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE EEE, MET, MIT, MNT, or SMT.

Total Required Credits: 64

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Engineering (Automotive Systems), BSE Pathway
2018-2019
\end{abstract}

ASU Major: Engineering (Automotive Systems), BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}
First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] simultaneously
3 hrs
(

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Recommend selecting a course that satisfies SB and C requirements simultaneously.

Natural Science [SQ, SG]
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
CHM 150AA: General Chemistry I OR
CHM 151AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
PHY 115: University Physics I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II Laboratory OR
PHY 131: University Physics II: Electricity and Magnetism OR
PHY 116: University Physics II

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all specia requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering admission to the Engineering BSE;Engineering (Automotive
Systems):Engineering (Electrical Systems); Engineering (Electrical
Systems); Engineering (Robotics); Systems); Engineering (Robotics);
Engineering (Mechanical Engineering Engineering (Mechanical Engineering
Systems) degree program within the Polytechnic School in the Ira A Fulton Schools of Engineering.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credit.
```

MAT 230: Calculus with Analytic Geometry
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III 4-5 hrs

```
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements CRE 101: College Critical Reading and Critical Thinking 0-3 hrs Complete CRE 101 or equivalent.

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
\begin{tabular}{l} 
Additional Lower Division Requirements \\
CSC 100: Introduction to Computer Science \\
(C++) or \\
CIS 163AA: Java Programming: Level I or \\
CSC 100AA: Introduction to Computer \\
Science (C++) or \\
CSC 100AB: Intro to COMPUTER SCIENCE \\
(C++) or \\
CSC 110: Introduction to Computer Science \\
(Java) or \\
CSC 110AA: Introduction to Computer \\
Science (Java) or \\
CSC 110AB: Intro to Computer Science \\
(JAVA) or \\
CSC 150: Programming in C/C++ or \\
CSC 150AA: Programming in C/C++ or \\
CSC 182: Principles of Programming \\
W/C\#.Net or \\
CSC 182AA: Principles of Programming \\
W/C\#.Net or \\
DFT 105AA: CAD I: AUTOCAD \\
\\
ECE 102: Engineering Analysis Tools or \\
ECE 102AA: Engineering Analysis Tools and \\
Techniques AND \\
ECE 103: Engineering Problem Solving and \\
Design or \\
ECE 103AB: Engineering Problem Solving \\
and Design \\
ECE 201: Introduction to Engineering Statics \\
and \\
ECE 202: Introduction to Engineering \\
Dynamics and \\
ECE 203: App OR \\
ECE 211: Engineering Mechanics-Statics \\
and \\
ECE 212: Engineering Mechanics-Dynamics 202: Circuits and Devices \\
OR \\
ECE 214: Engineering Mechanics \\
ECE 215: Mechanics of Materials or \\
CSC 120: Digital Design Fundamentals or \\
EEE 120: Digital Design Fundamentals \\
\\
\hline
\end{tabular}
MAT 261: Differential Equations or
MAT 262: Differential Equations or
MAT 276: Modern Differential Equations or
MAT 277: Modern Differential Equations
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
CHM 150AA: General Chemistry I OR

Total Required Credits: 64

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Engineering (Electrical Systems), BSE Pathway 2018-2019
\end{abstract}

ASU Major: Engineering (Electrical Systems), BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}
First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]
Recommend that SB course also includes [C].
\(\square\)
Social-Behavioral Science [SB] 3 hrs
B

Natural Science [SQ, SG]
CHM 151LL: General Chemistry I Laboratory OR
CHM 150AA: General Chemistry I OR
CHM 151AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
PHY 115: University Physics I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II Laboratory OR
PHY 131: University Physics II: Electricity and Magnetism OR

PHY 116: University Physics II

\section*{4-5 hrs Natural Sciences must be met by choosing (0) either the CHM or PHY series.}
```

MAT 230: Calculus with Analytic Geometry
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III 4-5 hrs

```
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G] 0-3 hrs
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading and 0-3 hrs
Critical Thinking
Additional Lower Division Requirements
CSC 100: Introduction to Computer Science
(C++) or
CIS 163AA: Java Programming: Level I or
CSC 100AA: Introduction to Computer
Science (C++) or
CSC 100AB: Intro to COMPUTER SCIENCE
(C++) or
CSC 110: Introduction to Computer Science
(Java) or
CSC 110AA: Introduction to Computer
Science (Java) or
CSC 110AB: Intro to Computer Science
(JAVA) or
CSC 150: Programming in C/C++ or
CSC 150: Programming in C/C++ or
CSC 150AA: Programming in C/C++ or
CSC 182: Pri
W/C\#.Net or
CSC 182AA: Principles of Programming
W/C\#.Net or
DFT 105AA: CAD I: AUTOCAD
ECE 102: Engineering Analysis Tools or
ECE 102AA: Engineering Analysis Tools and
Techniques AND
ECE 103: Engineering Problem Solving and
Design or
ECE 103AB: Engineering Problem Solving
and Design
ECE 201: Introduction to Engineering Static
ECE 202: Introduction to Engineering
ECE 202: Intro
Dynamics and
ECE 203. App OR
ECE 211: Engineering Mechanics-Statics
and
ECE 212: Engineering Mechanics-Dynamics
OR
ECE 214: Engineering Mechanics
ECE 215: Mechanics of Materials or
CSC 120: Digital Design Fundamentals or
EEE 120: Digital Design Fundamentals
EEE 202: Circuits and Devices 5 hrs

\footnotetext{
MAT 261: Differential Equations o MAT 262: Differential Equations or MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations
}

CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
CHM 150AA: General Chemistry I OR
CHM 151AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
PHY 115: University Physics I

\section*{Lower division secondary focus area}
If Natural Science requirements are met with CHM PHY must be selected to meet this requirement. If Natural Science requirements are met with PHY, CHM must be selected to meet this requirement

The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE EEE, MET, MIT, MNT, or SMT.

Total Required Credits: 64

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Engineering (Mechanical Engineering Systems), BSE Pathway
}

2018-2019

ASU Major: Engineering (Mechanical Engineering Systems), BSE | Ira A. Fulton Schools of Engineering

Pathway Requirements
First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Recommend that HU course also includes \([\mathrm{H}]\).

Humanities, Arts, and Design [HU]

\section*{3 hrs}
*

Recommend selecting a course that satisfies Literacy \& Critical Inquiry, Social-Behavioral Sciences, Humanities \& Fine Arts, COM, or CRE 101 requirements simultaneously.


Social-Behavioral Science [SB]
Social-Behavioral Science [SB]
3 hrs Recommend that SB course also includes [C]. E
Social-Behavioral Science [SB]
3 hrs
*

Natural Science [SQ, SG]
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
CHM 150AA: General Chemistry I OR
CHM 151AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
PHY 115: University Physics I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II Laboratory OR
PHY 131: University Physics II: Electricity and Magnetism OR
PHY 116: University Physics II

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all specia requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering admission to the Engineering BSE; Engineering (Automotive
Systems); Engineering (Electrical Systems); Engineering (Electrical
Systems); Engineering (Robotics); Systems); Engineering (Robotics),
Engineering (Mechanical Engineering Systems) degree program within the Polytechnic School in the Ira A Fulton Schools of Engineering.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credit.
```

MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III 4-5 hrs

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General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{l} 
Additional Lower Division Requirements \\
CSC 100: Introduction to Computer Science \\
(C++) or \\
CIS 163AA: Java Programming: Level I or \\
CSC 100AA: Introduction to Computer \\
Science (C++) or \\
CSC 100AB: Intro to COMPUTER SCIENCE \\
(C++) or \\
CSC 110: Introduction to Computer Science \\
(Java) or \\
CSC 110AA: Introduction to Computer \\
Science (Java) or \\
CSC 110AB: Intro to Computer Science \\
(JAVA) or \\
CSC 150: Programming in C/C++ or \\
CSC 150AA: Programming in C/C++ or \\
CSC 182: Principles of Programming \\
W/C\#.Net or \\
CSC 182AA: Principles of Programming \\
W/C\#.Net or \\
DFT 105AA: CAD I: AUTOCAD \\
ECE 102: Engineering Analysis Tools or \\
ECE 102AA: Engineering Analysis Tools and \\
Techniques AND \\
ECE 103: Engineering Problem Solving and \\
Design or \\
ECE 103AB: Engineering Problem Solving \\
and Design \\
ECE 201: Introduction to Engineering Statics \\
EC \\
and \\
ECE 202: Introduction to Engineering \\
Dynamics and \\
ECE 203: App OR \\
ECE 202: Circuits and Devices \\
MAT 261: Differential Equations or \\
MAT 262: Differential Equations or \\
MAT 276: Modern Differential Equations or \\
MAT 277: Modern Differential Equations \\
and \\
ECE 212: Engineering Mechanics-Statics \\
OR \\
ECE 214: Engineering Mechanics \\
\\
ECE 215: Mechanics of Materials or \\
CSC 120: Digital Design Fundamentals or \\
EEE 120: Digital Design Fundamentals \\
\hline
\end{tabular}

CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
CHM 150AA: General Chemistry I OR
CHM 151AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
PHY 115: University Physics I
Lower division secondary focus area \(0-6\) hrs of which must be upper division) that form coherent theme. Students must take two courses from the same or similar subjects, as students will take two upper division classes of the same subject at ASU. Select from the following Maricopa prefix: AEN, AMS, CAD, CNS, ECE, EEE, MET, MIT, MNT, or SMT.

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Engineering (Robotics), BSE Pathway \\ 2018-2019}

ASU Major: Engineering (Robotics), BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}
First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU] Recommend that HU course also includes [H].
\begin{tabular}{l} 
Social-Behavioral Science [SB] \\
Social-Behavioral Science [SB] \\
Social-Behavioral Science [SB]
\end{tabular}\(\quad 3\) hrs Recommend that SB course also includes [C].

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all specia requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering BSE;Engineering (Automotive Systems); Engineering (Electrical Systems); Engineering (Robotics); Engineering (Mechanical Engineering Systems) degree program within the Polytechnic School in the Ira A Fulton Schools of Engineering.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credit.
Natural Science [SQ, SG]
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
CHM 150AA: General Chemistry I OR
CHM 151AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
PHY 115: University Physics I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II Laboratory OR
PHY 131: University Physics II: Electricity and Magnetism OR
PHY 116: University Physics II
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MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II

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MAT 240: Calculus with Analytic Geometry III

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MAT 240: Calculus with Analytic Geometry III
MAT 241: Calculus with Analytic Geometry III
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MAT 241: Calculus with Analytic Geometry III

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General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or COM 225: Public Speaking or COM 230: Small Group Communication

CRE 101: College Critical Reading

Additional Lower Division Requirements CSC 100: Introduction to Computer Science (C++) or
CIS 163AA: Java Programming: Level I or CSC 100AA: Introduction to Computer Science (C++) or
CSC 100AB: Intro to COMPUTER SCIENCE
(C++) or
CSC 110: Introduction to Computer Science
(Java) or
CSC 110AA: Introduction to Computer
Science (Java) or
CSC 110AB: Intro to Computer Science
(JAVA) or
CSC 150: Programming in C/C++ or
CSC 150AA: Programming in C/C++ or CSC 182: Principles of Programming W/C\# Net or
W/C\#.Net or
CSC 182AA: Principles of Programming W/C\#.Net or
DFT 105AA: CAD I: AUTOCAD

ECE 102: Engineering Analysis Tools or 4 hrs ECE 102AA: Engineering Analysis Tools and Techniques AND

ECE 103: Engineering Problem Solving and Design or
ECE 103AB: Engineering Problem Solving and Design

ECE 201: Introduction to Engineering Static
ECE 202: Introduction to Engineering
Dynamics and
ECE 203: App OR
ECE 211: Engineering Mechanics-Statics
and
ECE 212: Engineering Mechanics-Dynamics OR

ECE 214: Engineering Mechanics
ECE 215: Mechanics of Materials or CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals
EEE 202: Circuits and Devices 5 hrs

MAT 261: Differential Equations or
MAT 262: Differential Equations o
MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations
\(0-3\) hrs
Complete CRE 101 or equivalent.

CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
CHM 150AA: General Chemistry I OR
CHM 151AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR
PHY 121: UNIVERSITY PHYSICS I: MECHANICS OR
PHY 115: University Physics I

\section*{Lower division secondary focus area}
If Natural Science requirements are met with CHM PHY must be selected to meet this requirement. If Natural Science requirements are met with PHY, CHM must be selected to meet this requirement

The secondary focus area includes 12 credits (6 of which must be upper division) that form a coherent theme. Students must take two courses from the same or similar subjects, students will take two upper division classes of the same subject at ASU. Recommended Maricopa prefixes: AEN, AMS, CAD, CNS, ECE EEE, MET, MIT, MNT, or SMT.

Total Required Credits: 64

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Engineering Management, BSE Pathway
2018-2019
\end{abstract}

ASU Major: Engineering Management, BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]


Humanities, Arts, and Design [HU]
SSH 111: Sustainable Cities

Humanities, Arts, and Design
3 hrs \% and SB ) or ( L and HU ), or ( L and COM ), or ( L and CRE101) requirements simultaneously.

Social-Behavioral Science [SB]
COM 263: ELEMENTS OF INTERCULTURAL COMM

PSY 101: Introduction to Psychology

Natural Science [SQ, SG]
CHM 151: General Chemistry I and 4 hrs Course can be used to satisfy basic science CHM 151LL: General Chemistry I Laboratory

CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory

3 hrs COM 263 satisfies Social-Behavioral Science [SB] and Cultural Diversity in the U.S. [C] requirements simultaneously.

3 hrs Use to satisfy Humanities and Fine Arts [HU] and Global
Engineering/Sustainability/Entrepreneurship Course Requirement. Also satisfies Global Awareness [G].

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering Management, BSE degree program.

Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Special Requirements: 2.75 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Subject Options

with a grade of " C " or

Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
ACC 111: Accounting Principles I and
ACC 230: Uses of Accounting Information
and
ACC 240: Uses of Accounting Information
OR
ACC 111: Accounting Principles I and
ACC 112: Accounting Principles II and
ACC 212: Managerial Accounting OR
ACC 211: Financial Accounting and
ACC 212: Managerial Accounting
CSC 110: Introduction to Computer Scie or
CSC 110AA: Introduction to Computer Scie
or
CSC 110AB: Intro to Computer Science (JA
CSC 205: Object Oriented Programming a or
CSC 205AA: Object Oriented Programming a
or
CSC 205AB: Object Oriented Programming a
ECE 102: Engineering Analysis Tools an or
ECE 102AA: Engineering Analysis Tools an AND
ECE 103: Engineering Problem Solving a or
ECE 103AB: Engineering Problem Solving a
ECN 212: Microeconomic Principles
ECO

Total Required Credits: 64

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
English, BA Pathway
\end{abstract}

\section*{2018-2019}

ASU Major: English, BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141. College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications [CS]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English B.A. degree program.

Humanities, Arts, and Design [HU]
ENG 213: Introduction to the Study of Language

ENH 221: SURVEY OF ENGLISH LITERATURE BEFORE 1800 or ENH 222: SURVEY OF ENGLISH LITERATURE BEFORE 1800 or ENH 241: American Literature Before 1860 or ENH 242: American Literature After 1860 both. Satisfies ASU English Core Requirement.

3 hrs ASU English Survey Core Requirement - Select

Social-Behavioral Science [SB]
Social-Behavioral Science
Social-Behavioral Science
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.
\begin{tabular}{ll} 
Additional Lower Division Requirements & \\
ENH 221: SURVEY OF ENGLISH LITERATURE BEFORE 1800 or & 6 hrs
\end{tabular}\(\quad\)\begin{tabular}{l} 
ASU English Survey Core Requirement - Select \\
2 ENH courses. ENH 221 satisfies HU. ENH 222
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
English, BA Pathway
\end{abstract}

\section*{2018-2019}

ASU Major: English, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] ENG 200: READING \& WRITING ABOUT LITER

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English B.A. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Applications [CS]

Humanities, Arts, and Design [HU
ENH 221: SURVEY OF ENGLISH
LITERATURE BEFORE 1800 or
ENH 222: SURVEY OF ENGLISH
LITERATURE BEFORE 1800 or
ENH 241: AMERICAN LITERATURE
ENH 241: AMER
BEFORE 18 or
ENH 242: American Literature After 186

ENH 204: Intro to CONTEMPORARY 3 hrs
LITERAT or
ENH 222: SURVEY OF ENGLISH
LITERATURE BEFORE 1800 or
ENH 242: American Literature After 186

Social-Behavioral Science [SB]
Social-Behavioral Science


Social-Behavioral Science 3 hrs

Natural Science [SQ, SG]
Natural Science

Natural Science
4 hrs Select at least one SQ within the Natural
Science requirement.
4 hrs Select at least one SQ within the Natural
Science requirement.

Select at least one SQ within the Natural Science requirement.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{ll}
\begin{tabular}{l} 
Additional Lower Division Requirements \\
English Elective
\end{tabular} & 3 hrs \\
Related Area Course & \begin{tabular}{l} 
Select one course that transfers to ASU as a \\
direct equivalent or Departmental Elective credit \\
(DEC) with an ENG or ENH prefix. (can \\
concurrently satisfy AGEC requirements)
\end{tabular} \\
Lower Division Elective & 3 hrs \\
\begin{tabular}{l} 
Select one of the following courses: CRW 160, \\
CRW 170, ENG 215, ENG 216, ENG 217, ENG \\
\(218, ~ o r ~ a n y ~ c o u r s e ~ t h a t ~ i s ~ e q u i v a l e n t ~ t o ~ A S U ' s ~\)
\end{tabular} \\
ENG 210
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ English (Creative Writing), BA Pathway \\ 2018-2019}

ASU Major: English (Creative Writing), BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
ENG 200: READING and WRITING ABOUT 3 hrs
LITERATURE
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Applications
[CS]
\begin{tabular}{lll}
\begin{tabular}{ll} 
Humanities, Arts, and Design [HU] \\
American Literature Course
\end{tabular} & \begin{tabular}{l} 
Humanities and Fine Arts - Students should
\end{tabular} \\
American Literature Course & \begin{tabular}{l} 
Hurs \\
choose a course from the American Literature \\
Courses list below that also carries the HU
\end{tabular} \\
general studies designation.
\end{tabular}

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science & 4 hrs & Students must choose at least one natural science course that satisfies the SQ general studies designation. \\
\hline Natural Science & 4 hrs & Students must choose at least one natural science course that satisfies the SQ general \\
\hline
\end{tabular} science course that satisfies the SQ general studies designation.

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English (Creative Writing) B.A. degree program.

Special Requirements: 3.0 GPA in English courses beyond First Year Composition (ENG, ENH, CRW MAPP requirements). 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

After transfer to ASU: Before continuing into the 400-level courses required to complete the creative writing concentration, students must successfully pass a portfolio review. Students who do not successfully pass this milestone may complete the English major by concentrating in Literature or Linguistics.
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
\begin{tabular}{|c|c|c|}
\hline Additional Lower Division Requirements CRW 160: Introduction to Writing Poetry & & \\
\hline CRW 170: Introduction to Writing Fiction 3 hrs & & \\
\hline ENG Elective or ENH Elective or CRW Elective & 3 hrs & Select one course ( 3 hours) that transfers to ASU with an ENG prefix, excluding ENG 101, ENG 102, ENG 107 and ENG 108. \\
\hline Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. & 0-16 hrs & Foreign Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. \\
\hline Lower Division Elective & 0-16 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Track/Groups}

\section*{American Literature Course}

\section*{American Literature Course}

ENH 190: Introduction to US Ethnic Literature or
ENH 241: AMERICAN LITERATURE BEFORE
1860 or
ENH 242: American Literature After 1860 or ENH 255: CONTEMPORARY U.S. LIT and FILM or
ENH 260: Literature of the Southwest or
ENH 284: 19th Century Women Writers or
ENH 285: Contemporary Women Writers

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
English (Linguistics), BA Pathway

\section*{2018-2019}
\end{abstract}

ASU Major: English (Linguistics), BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL ©

Literacy and Critical Inquiry [L]
ENG 200: READING and WRITING ABOUT 3 hrs
LITERATURE

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English (Linguistics)
B.A. degree program

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics


Computer/Statistics/Quantitative Applications [CS]

Humanities, Arts, and Design [HU]
ENG 213: Introduction to the Study of Language or SLC 201: Introduction to Linguistics

ENH 221: SURVEY OF ENGLISH
3 hrs
LITERATURE BEFORE 1800 or ENH 222: SURVEY OF ENGLISH LITERATURE BEFORE 1800 or ENH 241: American Literature Before 1860

ENH 242: American Literature After 1860
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]
Natural Science [SQ, SG

Natural Science [SQ, SG]

Natural Science
4 hrs
\%

ENG 213 can be applied as HU or SB, but not both.

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
Lower Division Second Language: Requirement satisfied through the
(202 or equivalent), including American Sign Language IV.
Lower Division Elective
\(0-16\) hrs Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
English (Literature), BA Pathway
2018-2019
\end{abstract}

ASU Major: English (Literature), BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 107: First-Year Composition for ESL (o)
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
ENG 200: READING and WRITING ABOUT 3 hrs
LITERATURE
B

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English (Literature)
B.A. degree program.
greater.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Applications [CS]

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science 3 h

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG] 4 hrs
尾 Equivalency Guide that transfers to ASU as a 200 level ENG course and satisfies the AGEC Humanities and Fine Arts (HU) criteria. Determination is made based on the semester and year the course is taken. course - Select a course from the Course Equivalency Guide that transfers to ASU as a 200 level ENG course and satisfies the AGEC Humanities and Fine Arts (HU) criteria. Determination is made based on the semester and year the course is taken.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{|c|c|c|}
\hline \multirow[t]{2}{*}{Additional Lower Division Requirements Related English Requirement} & \multirow[b]{2}{*}{6 hrs} & Additional Lower Division Requirements \\
\hline & & In addition to the courses used to fulfill the AGEC, complete one course from each of the concentration areas. Courses cannot be from the same concentration area. \\
\hline Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. & 0-16 hrs & Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency. \\
\hline Lower Division Elective & 0-16 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Track/Groups}

Related English Requirement

\section*{Related English Requirement}
ENH 204: Intro to CONTEMPORARY LITERATURE
or
ENH 206: NATURE and ENVIRONMENTAL
LITERATURE or
ENH 222: SURVEY OF ENGLISH LIT AFTER 1800
or
ENH 235: Survey of Gothic Literature or English Requirement
ENH 242: American Literature After 1860 or
ENH 254: Literature and Film or
ENH 255: CONTEMPORARY U.S. LIT and FILM or
ENH 259: American Indian Literature or
ENH 260: Literature of the Southwest or
ENH 275: Modern Fiction or
ENH 280: Topics in American Literature or
ENH 284: 19th Century Women Writers or
ENH 285: Contemporary Women Writers

ENH 201: World Literature Through Renaissance or
ENH 202: World Literature After the Renaissance or
ENH 221: SURVEY OF ENGLISH LIT BEFORE
1800 or
ENH 230: Introduction To Shakespeare or
ENH 231: Intro to SHAKESPEARE:THE EARLY
PLAYS or
ENH 232: Intro to SHAKESPEARE: the LATE
PLAYS or
ENH 241: AMERICAN LITERATURE BEFORE
1860 or
ENH 251: Mythology or
ENH 252: Biblical Backgrounds of Literature

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
English (Secondary Education), BA Pathway
2018-2019
\end{abstract}

ASU Major: English (Secondary Education), BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] ENG 200: READING and WRITING ABOUT LITERATURE

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English (Secondary Education), BA degree program.
```

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
or Higher level courses that meets MA
requirement
CIS 105: Survey of Computer Information
Systems OR
CSC 180: Computer Literacy or
CSC 180AA: Computer Literacy or
CSC 180AB: Computer Literacy OR
BPC 110: Computer Usage \& Applications

```
Humanities, Arts, and Design [HU]
ENG 213: Introduction to the Study of Language or 3 hrs Both ENG 213 and SLC 201 may be used to
SLC 201: Introduction to Linguistics
Humanities, Arts, and Design [HU]
3 hrs

3 hrs Both ENG 213 and SLC 201 may be used to satisfy 3 credits of the [SB] requirement instead of [ HU ].
Humanities, Arts, and Design [HU]
3 hrs

Social-Behavioral Science [SB]
EDU 222: Introduction to the Exceptional Learner

Social-Behavioral Science [SB]

Science [SQ, SG
Natural Science [SQ, SG]

Natural Science [SQ, SG]

3 hrs Selecting either GCU/POS 113 (GCU/POS 227 if taken prior to Fall 2017) or HIS 103 (along with if taken prior to Fall 2017) or HIS 103 (along with POS 221 as an elective) fulfills [SB] and [H] well as simultaneously meets state teacher certification requirements for US Constitution and AZ Constitution. ENG 213/SLC 201 may also be used to satisfy [SB] instead of [HU].

4 hrs Select at least one SQ within the Natural
Science requirement.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCC] met by EDU 222
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
ENH 221: SURVEY OF ENGLISH LIT BEFORE 1800 OR

0-9 hrs Select three of the four listed courses. Courses may be used to simultaneously fulfill any outstanding AGEC requirements.

ENH 241: American Literature Before 1860 OR
ENH 242: American Literature After 1860
\begin{tabular}{lll} 
ENG 2** Elective or \\
ENH 2** Elective & \(0-9\) hrs & \begin{tabular}{l} 
Select three courses that transfer to ASU as 200 \\
level electives with the ENG prefix. These \\
courses may be used to simultaneously fulfill \\
any outstanding AGEC requirements.
\end{tabular} \\
Lower Division Elective & \(0-25\) hrs \\
\begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's \\
associate degree requirements. MCCCD \\
recommends selecting ENG 215, 216, or 217.
\end{tabular}
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
English (Secondary Education), BA Pathway
2018-2019
\end{abstract}

ASU Major: English (Secondary Education), BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
ENG 200: READING and WRITING ABOUT 3 hrs
LITERATURE

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
CSC 180: Computer Literacy or
CSC 180aa: Computer Literacy or
CSC 180ab: Computer Literacy or
CIS 105: Survey of Computer Information
Systems or
BPC 110: Computer Usage \& Applications

Humanities, Arts, and Design [HU] ENH 221: SURVEY OF ENGLISH LIT BEFORE 1800
ENH 222: SURVEY OF ENGLISH LIT 3 hrs AFTER 1800

Social-Behavioral Science [SB]
EDU 222: Introduction to the Exceptional Learner

SLC 201: Introduction to Linguistics or ENG 213: Introduction to the Study of Language

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English (Secondary Education) BA degree program.

Special Requirements: 2.5 cumulative transfer GPA. All courses must be completed with a grade of "C" or better.

Fingerprint clearance and a background check is required in the second year of the program. We recommend you speak to a College of Liberal Arts Advisor to discuss these requirements further: englishadvising@asu.edu
greater.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
[C] met by EDU 222 .
[H] met by ENH 222.
```

MCCCD Additional Requirements COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements
ENG 215: Strategies of Academic Writing or 3 hrs
ENG 216: PERSUASIVE WRITING ON
PUBLIC ISSUES or
ENG 217: PERSONAL and EXPLORATORY WRITING

ENH 241: AMERICAN LITERATURE 3 hrs BEFORE 1860
ENH 242: American Literature After 18603 hrs

HIS 103: United States History to 1865 3 hrs Recommended elective(s) to meet state teacher certification for US Constitution (GCU/POS 227, certification for US Constitution (GCU/POS 227,
HIS 103, POS 110, POS 220, or POS 222) and HIS 103, POS 110, POS 220, or POS 222) and
AZ Constitution (GCU/POS227, POS220, or POS221)

## Lower Division Second Language:

$0-16$ hrs
Requirement satisfied through the following
Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

Lower Division Elective
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District

Environmental Design, BS Pathway
2018-2019

ASU Major: Environmental Design, BS | Herberger Institute for Design and the Arts

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

## 3 hrs

$\square$

Mathematical Studies [MA, CS]
MAT 187: Precalculus OR
MAT 150: College Algebra / Functions or
MAT 151: College Algebra / Functions or MAT 152: College Algebra / Functions and
MAT 182: Plane Trigonometry
Computer/Statistics/Quantitative Applications [CS]

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
ECN 212: Microeconomic Principles or
PSY 101: Introduction to Psychology
Social-Behavioral Science [SB]

Natural Science [SQ, SG]
PHY 111: Introduction to Physics or
HY 11: General Physics I or
GPH 111: Intro to PHYSICAL GEOGRAPHY

Natural Science [SQ, SG]

Computer/Statistics/Quantitative: Students wishing to transfer into Architectural Studies or andscape Architecture must complete ALA 235 at ASU; Students wishing to transfer into Interior Design must complete INT 121 at Arizona State University.

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

The MAPP for the BS in Environmental Design is provided as a transfer pathway for students wishing to complete their BS in Environmental Design at Arizona State University. The BS in Environmental Design is a pathway for Environmental Design is a pa Architecture, Industrial Design, Interio Architecture, Industrial Design, Interior Architecture, Landscape Architectur and Visual Communication Design offered through The Design School. These programs are studio Master's Degree programs that students with a Bachelor's Degree in any discipline can apply for. The options for these programs can be seen on The Design School's graduate degrees page https://design.asu.edu/degree-programs/gradua Students can apply for the 3+ programs with either a BA in Design Studies or a BS in Environmental Design.
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading

Recommend combining $[\mathrm{C}]$ requirement with [SB, HU , or L]

Recommend combining [H] or [G] requirement with [SB, HU, or L].

Additional Lower Division Requirements
ARC 100: Intro to Environmental Design or
INT 105: Introduction to Interior Design or
INT 115: Historical Architecture and Furniture or
INT 225: History of Decorative Arts or
INT 235: Universal Design
ARC 100: Intro to Environmental Design or
CNS 101: Construction and Culture or
INT 105: Introduction to Interior Design or
INT 120: Modern Architecture and Furniture or
INT 150: Color and Design or
PHI 103: Introduction to Logic or
PHI 105: Introduction to Ethics
ARC 120: Design Fundamentals I or ART 181: Graphic Design I or
INT 140: Introduction to CAD for Interior Design or
INT 145: Drawing and Rendering
ARC 150: Architectural Desktop I or
ARC 160: Site Planning or
ARC 160: Site Planning or
ART 182: Graphic Design II o
NT 190: Space Planning or
INT 205: Residential Design
SUS 100: Introduction to Sustainability 3 hrs

Lower Division Elective $\quad 0-8$ hrs $\quad$| Lower Division Electives should be completed |
| :--- |
| once all other requirements have been met and |
| only if needed to complete community college's |
| associate degree requirements. |

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District <br> Environmental Science, BA Pathway

2018-2019

ASU Major: Environmental Science, BA | New College of Interdisciplinary Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL (i) ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Environmental Science, BA degree program.
Mathematical Studies [MA, CS]
MAT 150: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 151: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 152: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 187: Precalculus
GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government

Humanities, Arts, and Design [HU] SSH 111: Sustainable Cities

Humanities, Arts, and Design [HU]

## 3 hrs

3 hrs
\%

Social-Behavioral Science [SB]
ECN 212: Microeconomic Principles

Social-Behavioral Science [SB]


Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I or BIO 181XT: General Biology (Majors) I

BIO 182: General Biology (Majors) II

Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

| Additional Lower Division Requirements |  |  |  |
| :---: | :---: | :---: | :---: |
| CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR |  |  |  |
| CHM 150AA: General Chemistry I OR |  |  |  |
| CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR |  |  |  |
| CHM 151AA: General Chemistry I |  |  |  |
| CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR |  |  |  |
| CHM 152AA: General Chemistry II OR |  |  |  |
| CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Che |  |  |  |
| CHM 230: Fundamental Organic Chemistry or <br> CHM 230LL: Fundamental Organic Chemistr |  |  |  |
| GLG 101: Introduction to Geology I Physical Lecture and GLG 103: Introduction to Geology I Physical Lab |  |  |  |
| GPH 210: Society and Environment | 3 hrs |  |  |
| MGT 246: PRINCIPLES OF PROJECT Management or TQM 240: Project Management In Qua | 3 hrs |  |  |
| PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics | 4-5 hrs |  |  |
| ECN 211: Macroeconomic Principles OR <br> HON 201: Leadership Development: Historica Perspect or MGT 229: Management and Leadership I OR | nd Contemporary |  | Select one course to fulfill ASU's Social Science and Humanities Electives. The course may be used to fulfill any outstanding AGEC credits simultaneously. |
| POS 110: American National Government OR |  |  |  |
| SUS 230: Practical Skills for Sustainability Pro | m Solving |  |  |

Total Required Credits: 63

## Pathway Agreement

## Maricopa Community College District <br> Environmental Science, BS Pathway

2018-2019

ASU Major: Environmental Science, BS | New College of Interdisciplinary Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL © (o)
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

## 3 hrs

\%

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Environmental Science, BS degree program.

```
Mathematical Studies [MA, CS]
MAT 150: College Algebra / Functions and
MAT 182: Plane Trigonometry OR
MAT 151: College Algebra / Functions and
MAT 182: Plane Trigonometry OR
MAT 152: College Algebra / Functions and
MAT 182: Plane Trigonometry OR
MAT 187: Precalculus OR
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or
GBS 221: Business Statistics
```

Humanities, Arts, and Design [HU
$\begin{array}{ll}\text { SSH 111: Sustainable Cities } & 3 \text { hrs }\end{array} \begin{aligned} & \text { SSH } 111 \text { may be used to satisfy } 3 \text { credits of } \\ & \text { either the [HU] or [SB] AGEC requirement. }\end{aligned}$
Humanities, Arts, and Design [HU]
3 hrs
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

[^11]BIO 182: General Biology (Majors) II
$\square$

##  either the [HU] or [SB] AGEC requirement.

$\square$
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I or
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
CHM 230: Fundamental Organic Chemistry
and
CHM 230LL: Fundamental Organic Chemistr
OR
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I La
GLG 101: Introduction to Geology I -

Total Required Credits: 64

## Track/Groups

Track Focus Elective Course

| Track Focus Elective Course |  |
| :--- | :--- |
| HON 201: Leadership Development: Historical and | Business/Leadership |
| Contemporary Perspect or and Leadership I OR | Track Focus Elective Course |
| MGT 229: Management and |  |
| MGT 246: PRINCIPLES OF PROJECT |  |
| Management or |  |
| TQM 240: Project Management In Quality Orgs OR |  |
| SUS 230: Practical Skills for Sustainability Problem | Track Focus Elective Course |
| Solving |  |
| SUS 110: Sustainable World | Ecosystem/Global Change |

CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry II Lab

## Pathway Agreement

## Maricopa Community College District <br> Environmental and Resource Management, BS Pathway

## 2018-2019

ASU Major: Environmental and Resource Management, BS | Ira A. Fulton Schools of Engineering

Social-Behavioral Science [SB] 3 hrs Selecting courses that also satisfy [C] is

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or
GBS 221: Business Statistics or
PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

Special Requirements
Completion of the Maricopa to ASU Engineering Pathway and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Environmental and Resource Management, BS degree program within The Polytechnic School in the Ira A. Fulton Schools of
Engineering. recommendedecommended


General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical [H] or Global Awareness [G]

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
Additional Lower Division Requirements
BIO 181: General Biology (Majors) I
CHM 230: Fundamental Organic Chemistry

| PHY 111: General Physics I or |
| :--- |
| PHY 111AA: General Physics I |
| Science, Math, Engineering or Management Electives |

Lower Division Elective

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District

Exercise and Wellness, BS Pathway
2018-2019
ASU Major: Exercise and Wellness, BS | College of Health Solutions

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

## 3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Exercise and Wellness B.S. degree program. Upon matriculation to ASU, students will matriculation to ASU, students will choose o
degree.

Mathematical Studies [MA, CS]
MAT 150: College Algebra o
MAT 151: College Algebra or
MAT 152: College Algebra OR
MAT 187: Precalculus OR
MAT 150: College Algebra/Functions and MAT 182: Plane Trigonometry OR

MAT 151: College Algebra/Functions and MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and
MAT 182: Plane Trigonometry
GBS 221: Business Statistics or MAT 206: Elements of Statistics or SWU 225: Statistics for Social Research/Justice and Government or PSY 230: Introduction to Statistics
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology
Social-Behavioral Science [SB]

3 hrs HES 100 is recommended to complete SB
灰 requirement
BIO 202: Human Anatomy and Physiology
CHM 130: Fundamental Chemistry and
CHM 130LL: Fundamental Chemistry
Laboratory OR
CHM 130AA: Fundamental Chemistry with
Lab OR
CHM 150: General Chemistry I OR
CHM 150AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151AA: General Chemistry I
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
COM 100: Introduct
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

| Additional Lower Division Requirements |  |  |  |
| :---: | :---: | :---: | :---: |
| BIO 201: Human Anatomy and Physiology | 4 hrs (o) |  |  |
| EXS 101: Introduction to Exercise Science | 3 hrs |  |  |
| EXS 214: Instructional CompETENCY: Flexbility and Mind- Body Exercises | 2 hrs |  |  |
| EXS 216: Instructional Competency: Muscular Strength and Conditioning | 2 hrs |  |  |
| EXS 218: Instructional Competency: Cardiorespiratory Exercises and Activities | 2 hrs |  |  |
| Lower Division Elective |  | 3-12 hrs | Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. EXS 125: Introduction to Exercise Physiology should be taken at the recommendation of the community college. |

Total Required Credits: 60

## Pathway Agreement

# Maricopa Community College District <br> Exploratory Health and Life Sciences, BNODEG Pathway 

## 2018-2019

ASU Major: Exploratory Health and Life Sciences, BNODEG | College of Integrative Sciences and Arts

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 142. College Mathematics

Computer/Statistics/Quantitative Applications [CS]

## 3 hrs

 requirements $[\mathrm{L}, \mathrm{HU}, \mathrm{SB}, \mathrm{SG} / \mathrm{SQ}, \mathrm{C}, \mathrm{G} \& \mathrm{H}]$ should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

MAT 142: is the minimum math required for completion of the AGEC-A. Students should consult with their academic advisor to determine if their major of interest requires a higher level of math course.

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the Exloratory Pathway and all special requirements satisfies the requirements for MCCCD AGEC-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest.Please consult with your academic advisor to learn more about selecting a major of interest.

Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.

Special Requirements: 2.0 GPA in course work used to satisfy Exploratory Pathway requirements. All courses must be completed with a grade of " C " or better.

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]
Natural Science [SQ, SG

Natural Science [SQ, SG]

Natural Science [SQ, SG]
4 hrs
4 hrs Select at least one SQ within the Natural


Science requirement

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading $0-3$ hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
CPD 102AB: Career Exploration

Lower Division Elective $\quad 0-25$ hrs | Lower Division Electives should be completed |
| :--- |
| once all other requirements have been met and |
| only if needed to complete community college's |
| associate degree requirements. |

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District <br> Exploratory Humanities, Fine Arts and Design, BNODEG Pathway 2018-2019

ASU Major: Exploratory Humanities, Fine Arts and Design, BNODEG | College of Integrative Sciences and Arts

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS
MAT 140: College Mathematics or
MAT 142. College Mathematics

Computer/Statistics/Quantitative Applications 3 hrs [CS]

## 3 hrs

Course selection for individual general studies requirements $[L, H U, S B, S G / S Q, C, G \& H]$ should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU

Humanities, Arts, and Design [HU]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCCD AGEC-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest.

Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.

Special Requirements: 2.0 GPA in course work used to satisfy Exploratory Pathway requirements. All courses must be completed with a grade of "C" or better.

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
4 hrs Select at least one SQ within the Natural

Natural Science [SQ, SG]
4 hrs
\%
© Science requirement.


# COM 100: Introduction to Human 0-3 hrs <br> Communication or <br> COM 110: Interpersonal Communication or <br> COM 225: Public Speaking or <br> COM 230: Small Group Communication 

CRE 101: College Critical Reading $0-3$ hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
CPD 102AB: Career Exploration
0-2 hrs Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.
Lower Division Elective

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District <br> Exploratory Math, Physical Sciences, Engineering and Technology, BNODEG Pathway 2018-2019

ASU Major: Exploratory Math, Physical Sciences, Engineering and Technology, BNODEG | College of Integrative Sciences and Arts

Pathway Requirements
First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I or MAT 221: Calculus with Analytic Geometry I

Recommend selecting a course that satisfies iteracy \& Critical Inquiry Social-Behaviora Sciences, Humanities \& Fine Arts, COM, or CRE 101 requirements simultaneously.

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

Special Requirements
Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCCD AGEC-S. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest.

Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.
greater.

Humanities, Arts, and Design [HU]

| Humanities, Arts, and Design | 3 hrs | Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G \& H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest. |
| :---: | :---: | :---: |
| Humanities, Arts, and Design | 3 hrs | Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G \& H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest. |

Social-Behavioral Science [SB]

## 3 hrs <br> 3 hrs

\%

Mathematical Studies [MA]: Complete 220 or 21 or any mathematics course for which MAT 220 or 221 is a prerequisite. Students should consult with their academic advisor to determine if their major of interest requires a higher level of math course.

Social-Behavioral Science

Social-Behavioral Science
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS OR
BIO 181: General Biology (Majors) I
CHM 152: General Chemistry II or
CHM 152LL: General Chemistry II
Laboratory OR
PHY 116: University Physics II or
PHY 131: University Physics II: Electricity
and Magnetism OR
BIO 182: General Biology (Majors) II
Subject Options

Subject Options \begin{tabular}{ll}
6-8 hrs

 

Using a transfer guide, select courses from <br>
Mathematics courses above Calculus, and/or
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR

COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
$\left.\begin{array}{l}\text { Additional Lower Division Requirements } \\ \text { CPD 102AB: Career Exploration }\end{array} \quad 2 \mathrm{hrs} \quad \begin{array}{l}\text { Students who are exploring career and major } \\ \text { options are strongly encouraged to complete } \\ \text { CPD 102AB in first semester. }\end{array}\right]$

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District <br> Exploratory Social and Behavioral Sciences, BNODEG Pathway 2018-2019

ASU Major: Exploratory Social and Behavioral Sciences, BNODEG | College of Integrative Sciences and Arts

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications 3 hrs [CS]

## 3 hrs

 requirements [L, HU, SB, SG/SQ, C, G \& H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU

Humanities, Arts, and Design [HU]
MAT 142: is the minimum math required for completion of the AGEC-A. Students should consult with their academic advisor to determine if their major of interest requires a higher level of math course.

3 hrs


3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or
greater.

Special Requirements
Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCCD AGEC-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest.

Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway.

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
4 hrs Select at least one SQ within the Natural

Natural Science [SQ, SG]
4 hrs
\%
© Science requirement.

## 3 hrs

* 

3 hrs

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements CPD 102ab: Career Exploration

0-2 hrs Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.
Lower Division Elective

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Family and Human Development, BS Pathway


2018-2019

ASU Major: Family and Human Development, BS | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs E

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Family \& Human Development B.S. degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or
PSY 230: Introduction to Statistics
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
CFS 205: Human Development

SOC Elective or
PSY Elective

Natural Science [SQ, SG
Natural Science [SQ, SG] 4 hrs At least one Natural Science course must be

Natural Science [SQ, SG]
4 hrs
E

Science Quantitative [SQ].


General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

# COM 100: Introduction to Human 0-3 hrs <br> Communication or <br> COM 110: Interpersonal Communication or <br> COM 225: Public Speaking or <br> COM 230: Small Group Communication 

CRE 101: College Critical Reading $0-3$ hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
CFS 112. Power Division Requirements
0-3 hrs FAS 101 may be taken after transfer at ASU.

Lower Division Elective

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District

Fashion, BA Pathway
2018-2019
ASU Major: Fashion, BA | Herberger Institute for Design and the Arts

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Yrs
ENG 108: First-Year Composition for ESL ©

Literacy and Critical Inquiry [L] COM 225: Public Speaking3 hrsE

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Fashion, BA degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Applications [CS]3-5 hrs(

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
ARH 102: Renaissance Through
Contemporary Art or
INT 105: Introduction to Interior Design


Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
Natural Science [SQ, SG]


Select at least one SQ within the Natural
Science requirement
Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C

Historical or Global Awareness [H] or [G]

```
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
```

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
Additional Lower Division Requirements
ART 111: Drawing I or
ART 290BC: Studio Art: Drawing
TEC 105: Cultural Aspects of Clothing
TEC 103: Developing Your Fashion Business
TEC 225: Pattern Design I and
TEC 226: Draping for Fashion Design
TEC 111: Clothing Construction
TEC 125: Fashion Design
TEC 222: Textiles
Fashion Elective
Thrs hrs

Total Required Credits: 64

## Pathway Agreement

Maricopa Community College District
Film (Film and Media Studies), BA Pathway
2018-2019
ASU Major: Film (Film and Media Studies), BA | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or 3 hrs
ENG 107: First-Year Composition for ESL © (o)
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

## 3 hrs

(

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Film (Film \& Media admission to the Film (Film \& M
Studies) B.A. degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB] Social-Behavioral Science

Social-Behavioral Science 3 hrs

Natural Science [SQ, SG]
Natural Science
Natural Science

## General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading $0-3 \mathrm{hrs}$ Complete CRE 101 or equivalent.
\(\left.$$
\begin{array}{l}\text { Additional Lower Division Requirements } \\
\text { Lower Division Second Language: Requirement satisfied through the } \\
\text { following: Completion of a language course at the intermediate level } \\
\text { (202 or equivalent), including American Sign Language IV. }\end{array}
$$ \quad 0 \mathbf{0 - 1 6 ~ h r s ~} \begin{array}{l}Select 101, 102, 201, 202 as needed to reach <br>

4th semester proficiency.\end{array}\right]\)| Lower Division Elective | $0-16$ hrs |
| :--- | :--- | | Lower Division Electives should be completed |
| :--- |
| once all other requirements have been met and |
| only if needed to complete community college's |
| associate degree requirements. |

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Film (Filmmaking Practices), BA Pathway

\section*{2018-2019}


ASU Major: Film (Filmmaking Practices), BA | Herberger Institute for Design and the Arts

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] THE 220: Modern Drama

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]
HUM 205: Introduction to Cinema or
THF 205: Introduction to Cinema
Humanities, Arts, and Design [HU]
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

| Natural Science [SQ, SG] |  |  |
| :---: | :---: | :---: |
| Natural Science [SQ, SG] | 4 hrs | Select at least one SQ within the Natural |
|  | \% | Science requirement. |
| Natural Science [SQ, SG] | 4 hrs | Select at least one SQ within the Natural |
|  | * | Science requirement. |

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

[^12]
# COM 100: Introduction to Human <br> Communication or <br> COM 110: Interpersonal Communication or <br> COM 225: Public Speaking or <br> COM 230: Small Group Communication 

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

| Additional Lower Division Requirements <br> TCM 111: Screenwriting I and <br> TCM 211: Screenwriting II | 6 hrs | $0-4$ hrs |
| :--- | :--- | :--- |
| TCM 241: AVID Media Composer Editing | Up to 9 credits of prerequisites for this course <br> may be applied to lower division electives. <br> Students are urged to start the sequence of <br> prerequisites early in their program of study. Be <br> advised: if completing FMP 220 at ASU, <br> instructor override approval is needed to enroll in <br> the course. |  |
| THP 217: Intro to Design Scenography | 3 hrs | 3 hrs |
| THP 112: Acting I | $0-13$ hrs | Lower Division Electives should be completed <br> Lowce all other requirements have been met and <br> only if needed to complete community college's <br> associate degree requirements. |

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District

Finance, BS Pathway
2018-2019

ASU Major: Finance, BS | W. P. Carey School of Business

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

CIS 105: Survey of Computer Information
Systems

Humanities, Arts, and Design [HU
Humanities, Arts, and Design

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles

Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]

## Pathway Notes

All courses must be completed with a grade of " C " or better

## Special Requirements

This degree program requires meeting W. P. Carey Bachelor of Science requirements.

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

In addition to a minimum 3.00 cumulative transfer GPA, students must meet one of the following for admission to the W. P. Carey Bachelor of Science degree program: SAT (math and critical reading sections only) score of 1230 (after March 2016) or 1160 (prior to March 2016),oran ACT (composite), OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses ( $\mathrm{A}=4.00$ )

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business for MCCCD Associate in Business
(ABUS-GR) and AGEC-B, meets maj (ABUS-GR) and AGEC-B, meets map requirements at ASU, and guarantees admission to the university and admission to W.P. Carey Bachelo of Science degree. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BS program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Only 64 credits are transferrable to ASU. Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]

| Additional Lower Division Requirements |  |  |
| :---: | :---: | :---: |
| ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and <br> ACC 240: Uses of Accounting Information OR |  |  |
| ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR |  |  |
| ACC 211: Financial Accounting and ACC 212: Managerial Accounting |  |  |
| MAT 217: Mathematical Analysis for 3-4 hrs Business or MAT 218: Mathematical Analysis for Business |  |  |
| GBS 221: Business Statistics 3 hrs |  |  |
| GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS |  |  |
| COM 100: Introduction to Human Communication or <br> $0-3$ hrs <br> If COM225 is selected, it may be also be applied <br> COM 225: Public Speaking or <br> COM 230: Small Group Communication or to meet Literacy and Critical Inquiry [L]. <br> COM 259: COMM IN BUSINESS \& PROFESSIONS |  |  |
| PSY Course | 3 hrs | Select a course that transfers to ASU with the PSY prefix and SB designation. |
| SOC Course | 3 hrs | Select a course that transfers to ASU with the SOC prefix and SB designation. |
| Lower Division Elective | 0-4 hrs | Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. |

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Forensic Science, BS Pathway


2018-2019
ASU Major: Forensic Science, BS | New College of Interdisciplinary Arts and Sciences

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

## 3 hrs

 E
## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarante admission to the Forensics B.S. degree program.

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or
GBS 221: Business Statistics
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
AJS 101: Introduction To Criminal Jus

PSY 101: Introduction to Psychology


Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I


BIO 182: General Biology (Majors) II

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

| COM 100: Introduction to Human Communication or | $0-3$ hrs | Met by completing COM 225 |
| :--- | :---: | :---: |
| COM 110: Interpersonal Communication or |  |  |
| COM 225: Public Speaking or |  |  |
| COM 230: Small Group Communication | $0-3$ hrs | Complete CRE 101 or equivalent. |

Additional Lower Division Requirements CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR

CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR

CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I
Laboratory
CHM 236: General Organic Chemistry II and
CHM 236LL: General Organic Chemistry II
Laboratory
PHY 111: General Physics I
PHY 112: General Physics II
Language and Cultures: Requirement
satisfied through the following: Completion of
a language course at the intermediate level
(202 or equivalent), including American Sign
Language IV OR Completion of two
sequential semesters of coursework in a
current computer language
Lower Division Elective

Total Required Credits: 64

## Pathway Agreement


#### Abstract

Maricopa Community College District General Studies, BA Pathway 2018-2019


ASU Major: General Studies, BA | College of Integrative Sciences and Arts

Pathway Requirements
First Year Composition
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
Literacy and Critical Inquiry
Literacy and Critical Inquiry

| Mathematical Studies | $3-5$ hrs |
| :--- | :--- |
| MAT 140: College Mathematics or | Mathematical Studies must be completed with a |
| MAT 141: College Mathematics or |  |
| MAT 142: College Mathematics |  |
| Computer/Statistics/Quantitative Applications | 3 hrs |
| MAT course that transfers to ASU with an MA |  |
| designation. |  |

Humanities, Arts, and Design

Humanities, Arts, and Design

Humanities, Arts, and Design
3 hrs
Students are encouraged to choose courses from different disciplines for the Humanities [HU] requirements. Courses must transfer to ASU with an $[\mathrm{HU}]$ designation
$\square$(4)

Social-Behavioral Science Social-Behavioral Science

Social-Behavioral Science
3 hrs
雨

3 hrs Students are encouraged to choose courses from different disciplines for the Social and Behavioral Sciences [SB] requirements. Courses must transfer to ASU with an [SB] designation.

Natural Science
Natural Science
ASU requires completion of two Lab Science courses. At least one course must be an SQ

AGEC Awareness Areas
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 10: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
Lower Division Elective
0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Geography, BA Pathway

\section*{2018-2019}


ASU Major: Geography, BA | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry
(2)

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Geography B.A. degree program.
greater.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

GIS 205: Geographic Information
Technologies
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
GCU 121: World Geography I: Eastern Hemisphere and 6 hrs GCU 121 and 122 are both required in order to GCU 122. World Geography II: Western Hemisphere

Natural Science [SQ, SG]
GPH 111: Intro to PHYSICAL GEOGRAPHY 4 hrs OR

GPH 112: INTRODUCTION TO PHYSICAL
GEOGRAPHY and
GPH 113: Intro to PHYSICAL GEOGRAPHY LAB

Natural Science
receive credit for GCU 121 at ASU. May also be
used to satisfy Global Awareness requirement.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

05: Geographic Information Technologies

# COM 100: Introduction to Human <br> Communication or <br> OMM 110: Interpersonal Communication or <br> COM 225: Public Speaking or <br> COM 230: Small Group Communication 

CRE 101: College Critical Reading $0-3 \mathrm{hrs}$ Complete CRE 101 or equivalent.

Additional Lower Division Requirements
GCU 102: Intro to HUMAN GEOGRAPHY

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV

Lower Division Elective

3 hrs GCU 102 satisfies required course in major as well as Global Awareness requirement.
$0-16$ hrs For Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements

Total Required Credits: 60

## Pathway Agreement

Maricopa Community College District
Geography, BS Pathway
2018-2019
ASU Major: Geography, BS | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry
3 hrs
E

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Geography B.S. degree program.
Mathematical Studies [MA, CS]
MAT 142: College Mathematics or
MAT 141: College Mathematics or
MAT 140: College Mathematics
GIS 205: Geographic Information
Technologies
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
GCU 102: Intro to HUMAN GEOGRAPHY 3 hrs Can also be used to satisfy Global Awareness
Social-Behavioral Science [SB] 3 hrs

Natural Science [SQ, SG]
GPH 111: Intro to PHYSICAL GEOGRAPHY 4 hrs
OR
GPH 112: INTRODUCTION TO PHYSICAL
GEOGRAPHY and
GPH 113: Intro to PHYSICAL GEOGRAPHY
LAB
Natural Science

# COM 100: Introduction to Human 0-3 hrs <br> Communication or <br> COM 110: Interpersonal Communication or <br> COM 225: Public Speaking or <br> COM 230: Small Group Communication 

CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements

| Lower Division Major Electives | $0-6$ hrs | Choose up to 6 credit hours of courses that <br> transfer to ASU as courses or electives with the |
| :--- | :--- | :--- |
| GCU, GIS, GPH, or PUP prefixes. |  |  |

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District <br> Geography (Meteorology-Climatology), BS Pathway <br> 2018-2019

ASU Major: Geography (Meteorology-Climatology), BS | College of Liberal Arts and Sciences

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or
greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Geography (Meteorology-Climatology) B.S. degree program.

Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
GPH 111: Intro to PHYSICAL GEOGRAPHY OR

GPH 112: INTRODUCTION TO PHYSICAL GEOGRAPHY and
GPH 113: Intro to PHYSICAL GEOGRAPHY LAB

PHY 121: UNIVERSITY PHYSICS I: MECHANICS

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Humanities, Arts, and Design [HU] Humanities, Arts, and Design

Humanities, Arts, and Design


```
GCU 102: Introduction to Human Geography \(\quad 3\) hrs \(\begin{aligned} & \text { GCU } 102 \text { can also be used to satisfy the Global } \\ & \text { Awareness requirement. }\end{aligned}\)
3 hrs
    3 hrs
    #
    MO
```

```
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
```

```
\(0-3\) hrs
(o)
\(0-3\) hrs
Complete CRE 101 or equivalent.
```



Total Required Credits: 60

## Pathway Agreement

Maricopa Community College District
Geography (Urban Studies), BS Pathway
$2018-2019$

ASU Major: Geography (Urban Studies), BS | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

## 3 hrs

 E
## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Geography (Urban Studies) B.S. degree program.
Mathematical Studies [MA, CS]
MAT 142: College Mathematics or
MAT 141: College Mathematics or
MAT 140: College Mathematics
GIS 205: Geographic Information
Technologies
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Social-Behavioral Science [SB]
GCU 102: Intro to HUMAN GEOGRAPHY
Natural Science [SQ, SG]
GPH 111: Intro to PHYSICAL GEOGRAPHY
OR
GPH 112: INTRODUCTION TO PHYSICAL
GEOGRAPHY and
GPH 113: Intro to PHYSICAL GEOGRAPHY
LAB
Natural Science

General Education Awareness Areas [C, H, G]
Global Awareness [G]

COM 100: Introduction to Human
Communication or 110 : Interpersonal Communication or

COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading $0-3$ hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
GIS 211: Geographic Information Science I
4 hrs

| Lower Division Major Electives | $0-9$ hrs | Choose up to 9 hours of courses that transfer to <br> ASU as GCU, GIS, GPH, or PUP courses or <br> departmental electives |
| :--- | :--- | :--- |
| Lower Division Elective | $2-22$ hrs | Lower Division Electives should be completed <br> once all other requirements have been met and <br> only if needed to complete community college's <br> associate degree requirements. |

Total Required Credits: 61

## Pathway Agreement


#### Abstract

Maricopa Community College District German, BA Pathway 2018-2019


ASU Major: German, BA | College of Liberal Arts and Sciences

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
Lower Division
Computer/Statistics/Quantitative Applications
[CS]
Computer/Statistics/Quantitative Applications [CS]

| Humanities, Arts, and Design [HU] |
| :--- |
| Humanities, Arts, and Design [HU] |


| Humanities, Arts, and Design [HU] |
| :--- |


| Social-Behavioral Science [SB] |
| :--- |
| Social-Behavioral Science [SB] |


| Social-Behavioral Science [SB] |
| :--- | :--- | :--- |


| Three credit hours of Humanities, Arts, and |
| :--- | :--- | :--- |
| Design [HU] requirement may be satisfied with |
| SLC 201 or ENG 213. |

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

[^13]Natural Science [SQ, SG]

Natural Science [SQ, SG]

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## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the German B.A. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 2.33 cumulative GPA required in all Sun Devil tracking courses: GER 101/101AA GER 102/102AA, GER 201, GER 202.
greater.
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

COM 230: Small Group Communication
CRE 101: College Critical Reading $0-3$ hrs Complete CRE 101 or equivalent.
Additional Lower Division Requirements
ENG 213: Introduction to the Study of or
SLC 201: Introduction to Linguistics
GER 101: Elementary German I or
GER 101AA: Elementary German I
GER 102: Elementary German II or
GER 102AA: Elementary German II
GER 201: Intermediate German I
GER 202: Intermediate German II

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Global Health, BA Pathway


## 2018-2019

ASU Major: Global Health, BA | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

## 3 hrs

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU]
ASB 222: Buried Cities and Lost Tribes: Old World or

ASB 223: Buried Cities and Lost Tribes: New World $\quad 3 \mathrm{hrs}$| Course may also be used to satisfy three credits |
| :--- |
| of Humanities, Arts \& Design (HU) or |

Humanities, Arts, and Design

## 3 hrs

\%

Social-Behavioral Science [SB]
AFR 202: ETHNIC RELATIONS IN the U.S or
ASB 202: ETHNIC RELATIONS IN the U.S.
ASB 102: Culture in a Globalizing Worl3 hrs
3 hrs

E

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Global Studies, B.A. degree program

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of " C " or better. The Global Studies B.A. degree requires completion of an international experience through ASU's study abroad programs or an international internship.
greater.

Natural Science [SQ, SG]

| ASM 104: Bones, Stones and Human Evolution | 4 hrs | Meets Science General [SG] General Education <br> requirement. |
| :--- | :--- | :--- |
| Natural Science [SQ] | 4 hrs | Select a course that meets the Science |
| Quantitative [SQ] General Education |  |  |

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

Met by ASB/AFR 202

Met by ASB/AFR 202

COM 100: Introduction to Human
COM 100: Introduction to Human 0-3 hrs
Communication or
OM 10. Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading $0-3$ hrs Complete CRE 101 or equivalent.
Additional Lower Division Requirements
Lower Division Second Language: Requirement satisfied through the
following: Completion of a language course at the intermediate level
(202 or equivalent), including American Sign Language IV.

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District

Global Management, BGM Pathway
2018-2019

ASU Major: Global Management, BGM | Thunderbird School of Global Management

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking


Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

## 3 hrs

3 hrs
Humanities, Arts, and Design HU$]$

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Global Management, BGM degree program.

While the Global Management, BGM MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. The additional coursework for this option is listed in the track at the bottom of the MAPP. Selecting this option will limit the number of electives available compared to the Associate of Arts because the additional ABUS requirements are taken in their place. Please work with a Maricopa Advisor if you are following the AGEC-B option.

Students pursuing a major in Globa Management have two different major tracks available to them: 1.) International Business, Language, \& Culture, and 2.) International Business \& Culture. Students pursuing the International Business, Language, \& Culture track are required to study a foreign language through the fourth semester-level, as well as upper-division language \& culture courses. Students pursuing International Business \& Culture are not required to study a foreign language; instead, they study additional coursework in international management and global studies.


| COM 100: Introduction to Human Communication or | 0 hrs | Satisfied by COM 225. |
| :--- | :--- | :--- |
| COM 110: Interpersonal Communication or |  |  |
| COM 225: Public Speaking or |  |  |
| COM 230: Small Group Communication | $0-3$ hrs | Complete CRE 101 or equivalent. |
| CRE 101: College Critical Reading |  |  |


| Additional Lower Division Requirements |  |  |
| :---: | :---: | :---: |
| ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information I and ACC 240: Uses of Accounting Information II OR |  | ASU's TGM 200 may be completed in the first term after transfer to meet this requirement. Associate in Arts pathway only. |
| ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR |  |  |
| ACC 211: Financial Accounting and ACC 212: Managerial Accounting |  |  |
| COM 163: Intercultural Communication in Everyday Life or COM 263: ELEMENTS OF INTERCULTURAL COMM |  |  |
| CHI 101: ELEMENTARY CHINESE (MANDARIN) I and CHI 102: ELEMENTARY CHINESE (MANDARIN) II and CHI 201: Intermediate Chinese I and CHI 202: Intermediate Chinese II OR <br> SPA 101: Elementary Spanish I and SPA 102: Elementary Spanish II and SPA 201: Intermediate Spanish I and SPA 202: Intermediate Spanish II |  | Required for International Business, Language, and Culture Concentration Only. Students choose one foreign language and complete courses consistent with language choice throughout remainder of program. Credit hours may vary depending on language (Mandarin Chinese or Spanish); Elective credits may require adjustment. See advisor. |
| Lower Division Elective | 0-23 hrs | Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. Depending on which concentration is chosen (International Business \& Culture or Language and Culture), the amount of elective credit taken must equal the amount needed to reach 60-64 credits. |
| ABUS Requirements | 0 hrs | While the Global Management, BGM MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. This track requires to students to use Lower Division Electives to complete all of the listed requirements before transferring to ASU. It is recommended that students discuss this option with their advisor in order to best plan the elective credits in order to not exceed the maximum transferable credit range (64) |

Total Required Credits: 61

## Track/Groups

## ABUS Requirements

## ABUS Requirements

MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business AND
students have the choice of
selecting either 6 credits of
Business Electives or 6 credits of
Programming requirements.
Business Electives are required for the ABUS-GR while the the ABUS-GR while the Programming courses are required
for the ABUS-SR. Completing the for the ABUS-SR. Completing the
ABUS requirements will decrease ABUS requirements will decreas
the number of elective credits
the number of elective credi
available. Discuss course
requirements with Maricopa Advisor

ACC 112. Accounting Principles II and 12. Accounting Principles II and

ACC 211: Financial Accounting and ACC 212: Managerial Accounting AND

GBS 205: Legal, Ethical, And Regulatory Issues in Business

## Pathway Agreement

## Maricopa Community College District

Global Studies, BA Pathway
2018-2019

ASU Major: Global Studies, BA | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

## 3 hrs

$\square$

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141. College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Analysis CS]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Global Studies, B.A. degree program

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP coursework used to satisfy MAPP completed with a grade of " C " or better. The Global Studies BA degree requires completion of a global experience through ASU's study abroad programs or an international internship. All experiences must be approved by the School of Politics and Global Studies' internship coordinator.
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB] Social-Behavioral Science

Social-Behavioral Science

## 3 hrs

 3 hrs (Natural Science [SQ, SG]

| Natural Science | 4 hrs | Select at least one SQ within the Natural <br> Science requirement. |
| :--- | :--- | :--- |
| Natural Science | 4 hrs | Select at least one SQ within the Natural <br> Sience requirement. |

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading $0-3$ hrs Complete CRE 101 or equivalent.
$\begin{array}{l}\text { Additional Lower Division Requirements } \\
\text { AHU 245: Arabic Culture and Islam or } \\
\text { ECN 250: World Economic Systems or } \\
\text { HCR 230: Culture and Health or } \\
\text { HIS 277: The Modern Middle East or } \\
\text { REL 290: Women and World Religions or } \\
\text { WST 290: Women and World Religions }\end{array} \quad 6$ hrs \(\left.\begin{array}{l}Select two of the classes listed (6 hours). Only <br>
one of REL 290 and WST 290 may apply <br>

because they are cross-listed.\end{array}\right]\)| Related Area |
| :--- |

Total Required Credits: 60

## Pathway Agreement

Maricopa Community College DistrictGraphic Information Technology, BS Pathway
2018-2019
ASU Major: Graphic Information Technology, BS | Ira A. Fulton Schools of Engineering

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or

ENG 102: First-Year Composition or ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or
greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Graphic Information Technology, BS degree program.

Mathematical Studies [MA, CS] MAT 187: Precalculus OR

MAT 150: College Algebra/Functions and MAT 182: Plane Trigonometry OR

MAT 151: College Algebra/Functions and MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and MAT 182: Plane Trigonometry

PSY 230: Introduction to Statistics 3 hrs

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology

Social-Behavioral Science [SB]


[^14]Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or

COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading
0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
INT 235: Universal Design or
ART 111: Drawing I or
ART 112: Two-Dimensional Design or
ART 290BC: Studio Art: Drawing
CIS 132: HTML/CSS or
CIS 133

EPS 150: Introduction to Entrepreneurship 3 hrs
Lower Division Elective 0-14 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Health Care Coordination, BS Pathway 2018-2019


ASU Major: Health Care Coordination, BS | College of Nursing and Health Innovation

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

## 3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or
greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Care Coordination, BS degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

MAT 206: Elements of Statistics or

General Education Awareness Areas [C, H, G]

SWU 225: Statistics for Social
Research/Justice and Government

Humanities, Arts, and Design [HU]
HCR 210:
Humanities, Arts, and Design 3 hrs
a

Social-Behavioral Science [SB]
CFS 205: Human Development

PSY 101: Introduction to Psychology


Natural Science [SQ, SG]
CHM 130: Fundamental Chemistry and 4 hrs
CHM 130LL: Fundamental Chemistry Lab OR

CHM 130AA: Fundamental Chemistry with
Lab
BIO 205: Microbiology


Mathematical Studies [MA, CS]
MAT 141: College Mathematics or
MAT 142: College Mathematics

MAT 206: Elements of Statistics or
HCR 210: Clinical Health Care Ethics
Humanities, Arts, and Design

OCS 205: Human Del(o)
BIO 205: MIICrobiology
MCCCD Additional Requirements
COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

| Additional Lower Division Requirements |
| :--- |
| BIO 201: Human Anatomy and Physiology |
| BIO 202: Human Anatomy and Physiology |
| FON 241: Principles of Human Nutrition OR |
| FON 241: Principles of Human Nutrition and |
| FON 241LL: Principles of Human Nutrition |
| Laboratory |
| HCR 220: Introduction to Nursing and Health |
| Care Systems |
| HCR 230: Culture and Health |
| HCR 240: Human Pathophysiology OR <br> HCR 240AA: Human Pathophysiology I and <br> HCR 240AB: Human Pathophysiology II <br> SOC 101: Introductory Sociology <br> Lower Division Elective |

Total Required Credits: 64

## Pathway Agreement


#### Abstract

Maricopa Community College District Health Education and Health Promotion, BS Pathway 2018-2019


ASU Major: Health Education and Health Promotion, BS | College of Health Solutions

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
EXS 290: Introduction to Evidence-Based 3 hrs
Practice

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Education and Health Promotion B.S. degree program.

Mathematical Studies [MA, CS]
MAT 150: College Algebra/Functions or
MAT 151: College Algebra/Functions or
MAT 151AA: College Algebra and
MAT 151AB: Functions I and
MAT 151AC: College Algebra and
MAT 151AD: Functions or
MAT 152: College Algebra/Functions OR
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social Research/Justice and Government or
PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU
Humanities, Arts, and Design

Humanities, Arts, and Design
Humanities, Arts, and Design $\quad 3$ rs

Social-Behavioral Science [SB]
HES 100: Healthful Living or WED 110: PRINCIPLES PHYSICAL FITNESS/WELLNESS

PSY 101: Introduction to Psychology

Natural Science [SQ, SG]
BIO 201: Human Anatomy and Physiology I 4 hrs or
BIO 201XT: Human Anatomy and Physiology
।

BIO 202: Human Anatomy and Physiology II 4 hrs

| Cultural Diversity in the U.S. [C] | $0-3 \mathrm{hrs}$ | AGEC Awareness Areas [C] or [G] met by HES 210. |
| :---: | :---: | :---: |
| Historical or Global Awareness [H] or [G] | $0-3 \mathrm{hrs}$ | AGEC Awareness Areas [C] or [G] met by HES 210. |

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
CHM 107: Chemistry and Society and
CHM 107LL: CHEMISTRY \& SOCIETY LAB
OR
CHM 130: Fundamental Chemistry and
CHM 130LL: Fundamental Chemistry
Laboratory or
CHM 130AA: Fundamental Chemistry with
Lab OR
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
or
CHM 150AA: General Chemistry I or
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
or
CHM 151AA: General Chemistry I OR
BIO 181: General Biology (Majors) I or
BIO 181XT: General Biology (Majors) I
FON 241: Principles of Human Nutrition
Lower Division Elective

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Health Innovation, BS Pathway

\section*{2018-2019}


ASU Major: Health Innovation, BS | College of Nursing and Health Innovation

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]

COM 225: Public Speaking ..... 3 hrsMathematical Studies [MA, CS]

MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA requirement
 Research/Justice and Government OR

PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU] HCR 210: Clinical Health Care Ethics

Humanities, Arts, and Design [HU]
$\square$
-
3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

The BS in Health Innovation is the first of its kind in the country, intended for students who want to lead
transformative change in health through the creation of new products, processes and systems. With a focus on transdisciplinary experiences, this program will provide students with a broad background in the principles of innovation, leadership, complexity science, change theory, collaboration and evidence-based decision making to prepare graduates to manage implementation of innovation in the health care arena.

This unique program situates students at the intersection of innovation and entrepreneurship in health and healing

This innovative program would be a great pathway for any community college student with an interest in health, business, health care administration, entrepreneurship, and many other areas

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Innovation B.S. degree program

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology
SOC 101: Introduction to Sociology

Select at least one SQ within the Natural Science requirement. ASU's College of Nursing and Health Innovation recommends GLG 110 and GLG 111.

| COM 100: Introduction to Human Communication or | 0 hrs | Satisfied by COM 225. |
| :--- | :---: | :---: |
| COM 110: Interpersonal Communication or |  |  |
| COM 225: Public Speaking or |  |  |
| COM 230: Small Group Communication | $0-3$ hrs | Complete CRE 101 or equivalent. |

Additional Lower Division Requirements
COM 100: Introduction to Human
Communication

| HCC 130: FUNDAMENTALS IN HEALTH |
| :--- |
| CARE DELIVERY or |
| HCR 220: Introduction to Nursing and Health |
| Care Systems |


| HCR 230: Culture and Health or |
| :--- |
| HES 210: Cultural Aspects of Health and |
| IIIness |


| Health Innovation Elective |
| :--- |

Lower Division Elective $\quad 0$ hrs $\quad 0-18$ hrs | Select courses from the Track/Groups section to |
| :--- |
| below. Students should consult w/ an ASU |
| advisor to identify appropriate courses in a |
| thematic area when selecting Health Innovation |
| Electives. |
| Lower Division Electives should be completed |
| once all other requirements have been met and |
| only if needed to complete community college's |
| associate degree requirements. |

Total Required Credits: 60

## Track/Groups

Health Innovation Elective

| Health Innovation Elective |
| :--- |
| ASB 100: Introduction to Global Health |
| Health Innovation Elective |
| HES 100: Healthful Living or |
| WED 110: PRINCIPLES PHYSICAL |
| FITNESS/WELLNESS |
| SUS 100: Introduction to Sustainability |
| Health Innovation Elective Innovation Elective |
| SUS 110: Sustainable World |
| WST 100: Women and Society |
| Health Innovation Elective |
| ACC, ECN, FIN, HCR, LES, MGT, MKT, NTR, <br> OGL, OMT, SOS, TEL, or TEM Departmental <br> Elective |

## Pathway Agreement


#### Abstract

Maricopa Community College District Health Sciences, BS Pathway


2018-2019

ASU Major: Health Sciences, BS | College of Health Solutions

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 140: College Mathematics
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications [CS]3-5 hrs


General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G] Division Requirement).

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology

Social-Behavioral Science [SB]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Sciences, BS degree program.

Students who matriculate to ASU will choose a track to complete:
Community-based Health Outcomes, Health Legislation and Regulation, or Integrated Care.
greater.

COM 100: Introduction to Human 0-3 hrs
Communication or
OMM Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
Additional Lower Division Requirements
HES 210: Cultural Aspects of Health and Illness or

IFS 215: Cultural Context of Health Information $\quad 3$ hrs | If HES 210 is selected, it meets a lower division |
| :--- |
| requirement, [C] and [G]. Credits can only be |
| counted once. |

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District <br> Health Sciences (Healthy Lifestyles Coaching), BS Pathway <br> 2018-2019

ASU Major: Health Sciences (Healthy Lifestyles Coaching), BS | College of Health Solutions

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL © (o)
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
EXS 290: Introduction to Evidence-Based 3 hrs
Practice(

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social Research/Justice and Government or PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design $\square$


Social-Behavioral Science [SB]
HES 100: Healthful Living or
WED 110: PRINCIPLES PHYSICAL
FITNESS/WELLNESS
PSY 101: Introduction to Psychology


Natural Science [SQ, SG]
BIO 160: Intro To Human Anatomy \& Physiology


CHM 130: Fundam
Laborat or
CHM 13
CHM 130AA: Fundamental Chemistry with Lab

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Sciences (Healthy Lifestyle Coaching) B.S. degree program.
greater.

## Special Requirements




Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements FON 241: Principles of Human Nutrition 3 hrs
IFS 215: Cultural Context of Health 3 hrs
Illness

Lower Division Elective $\quad 5-20 \mathrm{hrs} \quad$ Lower Division Electives should be completed once all other requirements have been met and once all other requirements have been met and
only if needed to complete community college's associate degree requirements

Total Required Credits: 61

## Pathway Agreement

## Maricopa Community College District

History, BA Pathway

## 2018-2019

ASU Major: History, BA | New College of Interdisciplinary Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L] 3 hrs
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB] Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]

| Natural Science | 4 hrs | Select at least one SQ within the Natural <br> Science requirement. |
| :--- | :--- | :--- |
| Natural Science | 4 hrs | Select at least one SQ within the Natural <br> Stience requirement. |

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History B.A. degree program

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more
information:
https://transfer.asu.edu/credits

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading $0-3 \mathrm{hrs}$ Complete CRE 101 or equivalent.

Additional Lower Division Requirements
History Lower Division Elective 3 hrs
History Elective Option 1 or $2 \quad 6$ hrs History Option 1 or 2: Complete both courses for

## Related Area Course

 either Option 1 or Option 2Language and Cultures: Requirement satisfied through the following

Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of wo sequential semesters of coursework in a current computer language

Lower Division Elective

Select three courses ( 9 hours) that transfer to ASU as a direct equivalent or Departmenta Elective credit (DEC) in the following ASU prefixes: AMS, ENG, HST, PHI, REL
You may satisfy the Language and Cultures equirement by completion of an intermediate anguage course or the computer language sequence; or, you may satisfy the requiremen after transfer to ASU though various upper division course options. If choosing the computer anguage option to satisfy this requirement, select courses that transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

## Track/Groups

History Elective Option 1 or 2
History Elective Option 1 or 2
HIS 110: World History to 1500 or
HIS 111: WORLD HISTORY 1500 TO the
PRESENT History Elective Option 1 or 2
HIS 103: United States History to 1865 or HIS 104: United States History 1865 to

## Pathway Agreement

## Maricopa Community College District

History, BA Pathway

## 2018-2019

ASU Major: History, BA | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

## 3 hrs

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

For Humanities [HU] and Social-Behavioral Sciences [SB] requirement, select courses tha also satisfy History or Related Area equirements for the major

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG
Natural Science [SQ, SG]

Natural Science [SQ, SG] $\square$4 hrs豕

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History B.A. degree program.

Special Requirements: 2.25 GPA in History courses. 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

## 4 hrs

Select at least one SQ within the Natural Science requirement.

Additional Lower Division Requirements
$\left.\begin{array}{ll}\text { History Survey Courses } & 0-6 \text { hrs }\end{array} \begin{array}{l}\text { History Survey courses should also meet } \\ \text { AGEC-A Humanities and Fine Arts and/or Social } \\ \text { and Behavioral Science requirements. A list of } \\ \text { History Survey Courses is located below. }\end{array}\right\}$

Total Required Credits: 60

## Track/Groups

## History Survey Courses

## History Survey Courses

HIS 110: World History to 1500 or
HIS 111: WORLD HISTORY 1500 TO the
PRESENT or
HIS 100: HIST OF W CIVILIZATION TO MID AGES
or
HIS 101: HIST OF W CIVILIZATION/MID
AGES-1789 or
HIS 102: HIST OF W CIVILIZATION/1789 TO PRSNT or
HIS 103: United States History to 1865 or
HIS 104: United States History 1865 to Present or HIS 108: United States History 1945 to the Present

HIS 113: History of Eastern Civilizations to 1850 or HIS 114: History of Eastern Civilizations 1850 to Present

## Pathway Agreement

## Maricopa Community College District

History, BA Pathway

## 2018-2019

ASU Major: History, BA | College of Integrative Sciences and Arts

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

## 3 hrs

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141. College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications [CS]3-5 hrsE

Humanities, Arts, and Design [HU]


Humanities, Arts, and Design

## 3 hrs


©

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History B.A. degree program.

Special Requirements: 2.25 GPA in History courses and Critical Tracking courses. 2.0 GPA in remaining coursework used to satisfy MAPP requirements. All courses must be completed with a grade of " C " or better.

Social-Behavioral Science [SB] Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
Natural Science

Natural Science

```4 hrs
```

4 hrs
Science requirement.-

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]


Historical or Global Awareness [H] or [G]

# COM 100: Introduction to Human 0-3 hrs <br> Communication or <br> COM 110: Interpersonal Communication or <br> COM 225: Public Speaking or <br> COM 230: Small Group Communication 

CRE 101: College Critical Reading $0-3$ hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements

| Related Area Electives | 9 hrs |
| :--- | :--- |
| Lower Division Elective | Select 3 courses ( 9 hours) that transfer to ASU <br> as direct equivalents or Departmental Elective <br> credit (DEC) with an HST prefix. A minimum <br> GPA of 2.25 is required in these courses. |
| Lower Division Electives should be completed <br> once all other requirements have been met and <br> only if needed to complete community college's <br> associate degree requirements. |  |

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District History (Secondary Education), BA Pathway 2018-2019


ASU Major: History (Secondary Education), BA | New College of Interdisciplinary Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History (Secondary Education), BA degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

CSC 180: Computer Literacy or CSC 180AA: Computer Literacy or CSC 180AB: Computer Literacy or CIS 105: Survey of Computer Information Systems or
Systems or
BPC 110: Computer Usage \& Applications

Humanities, Arts, and Design [HU]
HIS 110: World History to 1500

HIS 111: WORLD HISTORY 1500 TO the PRESENT

3-5 hrs

## 3-4 hrs

Humanities, Arts, and Design [HU]
HIS 110: World History to 1500
HIS 111: WORLD HISTORY 1500 TO the
PRESENT
Social-Behavioral Science [SB]
HIS 103: United States History to 1865
HIS 104: United States History 1865 to
Present

Natural Science [SQ, SG]
Natural Science [SQ, SG]


Natural Science [SQ, SG] 4 hrs

General Education Awareness Areas [C, H, G] Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
COM 100: Introduction to Human $0-3$ hrs
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
0-3 hrs Complete CRE 101 or equivalent.

| Additional Lower Division Requirements |
| :--- |
| Lower Division Elective |$\quad 10-22 \mathrm{hrs}$| Lower Division Electives should be completed |
| :--- |
| once all other requirements have been met and |
| only if needed to complete community college's |
| associate degree requirements. |

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Human Systems Engineering, BS Pathway 2018-2019


ASU Major: Human Systems Engineering, BS | Ira A. Fulton Schools of Engineering

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
PSY 290AC: Research Methods or
PSY 290AB: Research Methods

Mathematical Studies [MA, CS]
MAT 150: College Algebra/Functions and MAT 182: Plane Trigonometry OR

MAT 151: College Algebra/Functions and MAT 182: Plane Trigonometry OR

MAT 152: College Algebra/Functions and MAT 182: Plane Trigonometry OR

MAT 187: Precalculus
PSY 230: Introduction to Statistics

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or
greater.

## Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Human Systems Engineering, BS degree program, with Engineering, BS degree program, with
the Polytechnic School of the Ira A. the Polytechnic School of the Ir
Fulton Schools of Engineering.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts advisor to contirm all transfer tr
are on file with ASU. For more are on file with
https://transfer.asu.edu/credits

Natural Science 4 h

| Humanities, Arts, and Design [HU] | 3 hrs | Humanities and Fine Arts [HU]: Recommend <br> Humanities, Arts, and Design [HU] |
| :--- | :--- | :--- |
| selecting course that also satisfies [C]. |  |  |
| Humanities, Arts, and Design [HU] | 3 hrs | Humanities and Fine Arts [HU]: Recommend <br> selecting course that also satisfies [H]. |

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology
Social-Behavioral Science 101.

[^15]4\textrm{hrs
*

```
}
Natural Science
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading


Total Required Credits: 64

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Industrial Engineering, BSE Pathway
2018-2019
\end{abstract}

ASU Major: Industrial Engineering, BSE | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}

Engineering Core
CHM 151: General Chemistry I or
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory

ECE 102: Engineering Analysis Tools and Techniques or ECE 102AA: Engineering Analysis Tools and Techniques AND

ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design


Humanities, Arts, and Design or
AGEC Awareness Areas
Social-Behavioral Science or
AGEC Awareness Areas

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Industrial
Engineering BSE degree program.
Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU. Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of " C " or better.

Additional Lower Division Requirements MAT 225: Elementary Linear Algebra

Can be used to meet basic science requirement
ke one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.

Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.
at ASU.

The combination of these two courses transfer as FSE 100 and ASU 101 at ASU. Students must take both to get credit for both.
\(\longrightarrow\)

CSC 120: Digital Design Fundamentals OR CSC 240: Introduction to Different Pro OR EEE 202: Circuits and Devices
CSC 205: Object Oriented Programming and
Data Structures or
CSC 205AA: Object Oriented Programming
and Data Structures or
CSC 205AB: Object Oriented Programming
and Data Structures
ECE 211: Engineering Mechanics-Statics
ECN 211: Macroeconomic Principles

Total Required Credits: 65

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Information Technology, BS Pathway \\ 2018-2019}

ASU Major: Information Technology, BS | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL © ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs
(

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees requirements at ASU, and gua
admission to the Information Technology, BS degree program.
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
PSY 230: Introduction to Statistics or
SWU 225: Statistics for Social
Research/Justice and Government

SWU 225: Statistics for Social
Research/Justice and Government

Humanities, Arts, and Design [HU
Humanities, Arts, and Design [HU

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology

Social-Behavioral Science [SB] \(\square\)

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

4 hrs Select at least one [SQ] within the Natural
 Science requirement.
\(\qquad\)

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 230: Small Group Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking

CRE 101: College Critical Reading

Additional Lower Division Requirements CIS 105: Survey of Computer Information Systems or
CSC 180: Computer Literacy or
CSC 180AA: Computer Literacy or
CSC 180AB: Computer Literacy
CIS 162AD: C\#: Level I or
CIS 163AA: Java Programming: Level I or
CSC 100: Introduction to Computer Science (C++) or
CSC 100: Introduction to Computer Science (C++) or
CSC 100AB: Intro to COMPUTER SCIENCE (C++) or
CSC 110: Introduction to Computer Science (Java) or
CSC 110AA: Introduction to Computer Science (Java) or
CSC 110AB: Intro to Computer Science (JAVA) or
CSC 150: Programming in C/C++ or
CSC 150AA: Programming in C/C++ or
CSC 182: Principles of Programming W/C\#.Net or CSC 182AA: Principles of Programming W/C\#.Net

CSC 205: Object Oriented Programming and 3-4 hrs Data Structures or
CSC 205AA: Object Oriented Programming and Data Structures or
CSC 205AB: Object Oriented Programming and Data Structures or
CSC 205AC: Object Oriented Programming and Data Structures or
CSC 205AD: Object Oriented Programming and Data Structures

CIS 126DL: Linux Operating System
CNT 140AA: Introduction to Networks 4 hrs

MAT 227: Discrete Mathematical Structures

Lower Division Elective

As per "or permission of instructor" in Maricopa's MAT227 course description, academic advisors and other student services personnel are authorized by Maricopa's Math Instructional Council to approve MAT227 registration using either MAT212/213 OR MAT220/221 (and CSC110 or CSC110) as the course prerequisites.
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Pathway Agreement}
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Maricopa Community College District
Innovation in Society, BA Pathway
2018-2019
ASU Major: Innovation in Society, BA | School for the Future of Innovation in Society

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL ©

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs
\%

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Innovation in Society B.A. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Analysis [CS] 3 hrs The ASU School for the Future of Innovation in


Society recommends selecting CIS 105 or CS 180.

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]
3 hrs
\%

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
 Science requirement.

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

Additional Lower Division Requirements
Second Language: Requirement satisfied
hrough the following: *Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent),
including American Sign Language IV;
Completion of upper division course(s)
taught in a foreign language,taken in the
United States or the relevant country.
Lower Division Elective

## Pathway Agreement

# Maricopa Community College District <br> Innovation in Society, BS Pathway 

2018-2019
ASU Major: Innovation in Society, BS | School for the Future of Innovation in Society

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL (i) ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

```
3 hrs
```


## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees requirements admission to the Innovation in Society B.S. degree program
Mathematical Studies [MA, CS]
MAT 150: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 151: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 152: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 187: Precalculus
GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]


Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]


Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

| Additional Lower Divi |  |  |
| :---: | :---: | :---: |
| Technical Electives | 0-9 hrs | Select 3 courses that transfer to ASU as any of the following prefixes: AEE, AET, AML, ASM, AST, $\mathrm{BIO}, \mathrm{BCH}, \mathrm{BME}, \mathrm{CEE}, \mathrm{CHE}, \mathrm{CNE}, \mathrm{EEE}$, EET, EGR, FSE, GLG, GPH, IEE, LSE, MAE, MAT, MBB, MEE, MET, MFG, MIC, MSE, PHS, PHY, PLB, OR STP. Courses may simultaneously fulfill any needed AGEC categories. |
| Lower Division Elective | 0-23 hrs | Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. |

Total Required Credits: 60

## Pathway Agreement


#### Abstract

Maricopa Community College District Integrative Health, BS Pathway

\section*{2018-2019}


ASU Major: Integrative Health, BS | College of Nursing and Health Innovation

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

## 3 hrs

 \%
## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Integrative Health, BS degree program
greater.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

MAT 206: Elements of Statistics or
PSY 230: Introduction to Statistics or
SWU 225: Statistics for Social Research/Justice and Government
Humanities, Arts, and Design [HU]
HCR 210: Clinical Health Care Ethics
Humanities, Arts, and Design

Social-Behavioral Science [SB] CFS 205: Human Development

PSY 101: Introduction to Psychology

Natural Science [SQ, SG]
BIO 205: Microbiology

CHM 130: Fundamental Chemistry and

CHM 130LL: Fundamental Chemistry Lab OR

CHM 130AA: Fundamental Chemistry with Lab

Or higher level mathematics course that satisfies

Highly recommend taking [CS] prior to transfer, if course is taken at ASU course must be taken in
[MA] the first term after transfer.

MCCCD Additional Requirements
COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
BIO 201: Human Anatomy and Physiology
BIO 202: Human Anatomy and Physiology
FON 241: Principles of Human Nutrition OR
FON 241: Principles of Human Nutrition and
FON 241LL: Principles of Human Nutrition
Laboratory
HCR 220: Introduction to Nursing and Health
Care Systems
HCR 230: Culture and Health
HCR 240: Human Pathophysiology OR
HCR 240AA: Human Pathophysiology I and
HCR 240AB: Human Pathophysiology II
MGT 246: Principles of Project Management
or
TQM 240: Project Management In Quality
Orgs
SOC 101: Introduction to Sociology
So hrs

SWU 250: Mindfulness for Stress Management

Total Required Credits: 62

## Pathway Agreement

```
Maricopa Community College District
Interdisciplinary Arts and Performance, BA Pathway
2018-2019
```

ASU Major: Interdisciplinary Arts and Performance, BA | New College of Interdisciplinary Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 107: First-Year Composition for ESL © (o)
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry

## 3 hrs

\%

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Interdisciplinary Arts and Performances B.A. degree program

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
Computer/Statistics/Quantitative Applications


Humanities, Arts, and Design [HU]
Related Area Courses

## $3-5$ hrs

E
(

Complete two courses that transfer to ASU as an HU in any of the following prefixes:ART, ARH, DAN, DAH, MUP, MUE, THE, and THP.

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]


Natural Science
4 hrs
(

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
$0-3$ hrs

COM 110: Interperson
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading $0-3$ hrs Complete CRE 101 or equivalent.

| Additional Lower Division Requirements |
| :--- |
| THE 282AC: Service-Learning Experience in Theatre or |
| THE 282AA: Service-Learning Experience in Theatre |


| THF 219: Advanced Acting for the Camera | 0 hrs |
| :--- | :--- |


| Language and Cultures: Requirement satisfied through the following: |
| :--- |
| Completion of a language course at the intermediate level (202 or ASU's IAP Lower Division Elective. If the |
| equivalent), including American Sign Language IV OR Completion of |
| two sequential semesters of coursework in a current computer |
| language |


| -credit version is taken, it must be repeated for |
| :--- |
| a total of 3 credits to meet the requirement. |

Lower Division Elective

Total Required Credits: 60

## Pathway Agreement

Maricopa Community College District
Interdisciplinary Arts and Sciences, BA Pathway
2018-2019

ASU Major: Interdisciplinary Arts and Sciences, BA | New College of Interdisciplinary Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Interdisciplinary Arts and Sciences B.A. degree program.

Additional Lower Division Requirements
Language and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language

Lower Division Elective

0-16 hrs Language and Cultures: may be completed after transfer. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to ASU's ACO 101 (CSC 110, CSC 110AA, or CSC 110AB) and ACO 102 (CSC 200, CSC 200AA, or CSC 200AB).
$0-25$ hrs
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

## Pathway Agreement

Maricopa Community College District
Interdisciplinary Studies, BA Pathway
2018-2019
ASU Major: Interdisciplinary Studies, BA | College of Integrative Sciences and Arts

## Pathway Requirements

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

Special Requirements
Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, AAEE, or AFA) completed and noted on their transcripts. Students noted on their transcripts. Students satisfying these criteria meet ASU major
map requirements and are guaranteed map requirements and are guaranteed
admission to the Interdisciplinary Studies degree program.

The Bachelor of Interdisciplinary Studies allows students to take an active role in designing their own major by selecting two subject areas. Students should follow this
link:https://cls.asu.edu/interdisciplinary-studies-1 their two subject areas of interest. Some combinations are not permissible; contact a CISA Academic Advisor contact a CISA Academic Adviso
(https://cisa.asu.edu/advising)for additional information

## Pathway Agreement

Maricopa Community College District
Interdisciplinary Studies (Organizational Studies), BA Pathway

## 2018-2019

ASU Major: Interdisciplinary Studies (Organizational Studies), BA | College of Integrative Sciences and Arts

## Pathway Requirements

Additional Lower Division Requirements Maricopa AGEC

CRE 101: College Critical Reading and
Critical Thinking $0-3 \mathrm{hrs}$ Critical Thinking

## COM 100: INTRODUCTION TO HUMAN

COMMUNI or
COM 131: FUNDAMENTALS OF SPEECH
COMMUN or
COM 134: INTERPERSONAL
COMMUNICATION or
COM 271: SMALL GROUP
COMMUNICATION or
COM 200: Communication Theory

Lower Division Elective $\quad 37$ hrs | Lower division electives may be taken to |
| :--- |
| complete associate degree requirements. Up to |
| a maximum total number of 75 credits may be |
| transferred to ASU for students on this pathway. |

Complete courses to complete the Maricopa
Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition.
maximum total number of 75 credits may be transferred to ASU for students on this pathway.

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC) certified on their transcript and must have their Associate Degree (AA, AB, AS, AAEE, or AFA) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) degree program.

## Pathway Agreement

Maricopa Community College District<br>International Letters and Cultures (Classical Civilization), BA Pathway<br>2018-2019

ASU Major: International Letters and Cultures (Classical Civilization), BA | College of Liberal Arts and Sciences

## Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]
SLC 201: Introduction to Linguistics or
ENG 213: Introduction to the Study of Language
Humanities, Arts, and Design [HU]

[^16]

## Pathway Notes

2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of $C$ or greater.

## Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the International Letters and Cultures (Classical Civilization) B.A. degree program.

COM 100: Introduction to Human
COM 100: Introduction to Human 0-3 hrs
Communication or
OM 10. Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading $0-3 \mathrm{hrs}$ Complete CRE 101 or equivalent.
Additional Lower Division Requirements
Lower Division Second Language: Requirement satisfied through the
following: Completion of a language course at the intermediate level
(202 or equivalent), including American Sign Language IV.

Total Required Credits: 60

## Pathway Agreement

## Maricopa Community College District <br> International Letters and Cultures (Classics), BA Pathway <br> 2018-2019

ASU Major: International Letters and Cultures (Classics), BA | College of Liberal Arts and Sciences

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
ENG 213: Introduction to the Study of Language OR
SLC 201: Introduction to Linguistics
Social-Behavioral Science [SB]

- 3 h

3 hrs

* If it is used for SB, then an HU AGEC course must be taken.

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

```4 hrs

At least one lab science must be an SQ

At least one lab science must be an SQ

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the International Letters and Cultures (Classics)-Latin B.A., degree program
greater.

Special Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
LAT 101: Elementary Latin I
LAT 102: Elementary Latin II
LAT 201: Intermediate Latin I
LAT 202: Intermediate Latin II

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

International Trade, BS Pathway

\section*{2018-2019}

ASU Major: International Trade, BS | Thunderbird School of Global Management

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking


Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the International Trade, BS degree program.

While the International Trade, BS MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. The additional coursework for this option is listed in the track at the bottom of the MAPP. Selecting this option will limit the number of electives available compared to the Associate in Arts because the additional ABUS requirements are taken in their place.

Humanities, Arts, and Design [HU
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles


Natural Science [SQ, SG
Natural Science [SQ, SG]

Natural Science [SQ, SG]
\begin{tabular}{l|l|l} 
COM 100: Introduction to Human Communication or & 0 hrs & Satisfied by COM 225. \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent.
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and \\
ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & &  & ASU's TGM 200 may be completed in the first term after transfer to meet this requirement. \\
\hline \multicolumn{4}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{4}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline COM 163: Intercultural Communication in Everyday Life or COM 263: ELEMENTS OF INTERCULTURAL COMM & 3 hrs & & \\
\hline MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business & 3 hrs & & \\
\hline Lower Division Elective & & 0-16 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline SUS 110: Sustainable World & 3 hrs & & \\
\hline ABUS Requirements & & 0 hrs & While the International Trade, BS MAPP is listed here as an Associate in Arts, students have the option to pursue an ABUS-GR or ABUS-SR degree. This track requires to students to use Lower Division Electives to complete all of the listed requirements before transferring to ASU. It is recommended that students discuss this option with their advisor in order to best plan the elective credits in order to not exceed the maximum transferable credit range (64). \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Track/Groups}

\section*{ABUS Requirements}

\section*{ABUS Requirements}
\begin{tabular}{|c|c|}
\hline GBS 205: Legal, Ethical, And Regulatory Issues in & Students have the choice of \\
\hline Business AND & selecting either 6 credits of Business Electives or 6 credits of \\
\hline Business Electives or & Programming requirements. \\
\hline Programming I \& II AND & Business Electives are required for the ABUS-GR while the \\
\hline ACC 111: Accounting Principles I and & Programming courses are required \\
\hline ACC 230: Uses of Accounting Information I and & for the ABUS-SR. Completing the \\
\hline ACC 240: Uses of Accounting Information II OR & ABUS requirements will decrease the number of elective credits \\
\hline ACC 111: Accounting Principles I or & available. Discuss with Maricopa \\
\hline ACC 112: Accounting Principles II and & Advisor if doing AGEC B option. \\
\hline ACC 212: Managerial Accounting OR & \\
\hline ACC 211: Financial Accounting and & \\
\hline
\end{tabular}

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Italian, BA Pathway

\section*{2018-2019}

ASU Major: Italian, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher course that meets MA requirements
Computer/Statistics/Quantitative Applications
[CS]

Humanities, Arts, and Design [HU]

ENG 213: Introduction to the Study of or SLC 201: Introduction to Linguistics

Humanities, Arts, and Design [HU]
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB] preferred [ HU ].

Natural Science [SQ, SG]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Italian B.A. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 2.33 cumulative GPA required in all Sun Devil tracking courses: ITA 101/101AA, ITA 102/102AA, ITA 201, ITA 202.
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.
Additional Lower Division Requirements
ITA 101: Elementary Italian I or
ITA 101AA: Elementary Italian I
ITA 102: Elementary Italian II or
ITA 102AA: Elementary Italian II
ITA 201: Intermediate Italian I
ITA 202: Intermediate Italian II

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Journalism and Mass Communication, BA Pathway
2018-2019
\end{abstract}

ASU Major: Journalism and Mass Communication, BA | Walter Cronkite School of Journalism \& Mass Comm

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] JRN 201: News Writing

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level that meets MA requirement

\section*{GBS 221: Business Statistics or 3 hrs}

MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or
PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU]
PHI 101: Introduction to Philosophy or PHI 102: Introduction to Philosophy or PHI 103: Introduction to Logic or PHI 105: Introduction to Ethics

Humanities, Arts, and Design [HU]
 3 hrs (a)

Social-Behavioral Science [SB]
ECN 212: Microeconomic Principles or
ECN 211: Macroeconomic Principles


MCO 120: Media and Society
\begin{tabular}{lll} 
Natural Science [SQ, SG] \\
Natural Science [SQ, SG] & 4 hrs & \begin{tabular}{l} 
Select at least one SQ course within the Natural \\
Science Requirement.
\end{tabular} \\
Natural Science [SQ, SG] & 4 hrs &
\end{tabular}

Natural Science [SQ, SG] 4 hrs
\(\square\)

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Journalism \& Mass Communication B.A. degree program.

Special Requirements: Students are required to have at least a 3.0 GPA in all transferable hours of college credit earned after high school. All courses must be completed with a grade of "C" or better.
greater.

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements
HIS 103: United States History to 1865 or
HIS 108: United States History 1945 to or
HIS 203: African-American History to 1865
POS 110: American National Government

SOC 101: Introduction to Sociology or PSY 101: Introduction to Psychology
\begin{tabular}{|c|c|c|c|}
\hline Related Area Course & & 3 hrs & Related Course: Select a course that transfers to ASU with one of the following prefixes: ASB, ASM, ACC, ECN, FIN, LES, MGT, MKT, REA, ENG, FAS, GPH, GCU, HST, COM, JUS, POS, REL, SOC, THE, THP, WSH, or WST. \\
\hline Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. & 0-16 hrs & & \\
\hline Lower Division Elective & & 0-13 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Justice Studies, BA Pathway
2018-2019

ASU Major: Justice Studies, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
ENG 215: Strategies of Academic Writin or ENG 216: PERSUASIVE WRITING ON
PUBLIC or
ENG 217: PERSONAL \& EXPLORATORY
ENG 217:
WRITIN or
WRITIN or
ENG 218: Writing About Literature

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher course that meets MA requirements
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Lower Division
3 hrs
Computer/Statistics/Quantitative Applications
[CS]

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Humanities, Arts, and Design [HU]
PHI 101: Introduction to Philosophy or PHI 102: Introduction to Philosophy or PHI 105: Introduction to Ethics
Humanities, Arts, and Design 3 hrs

Social-Behavioral Science [SB]
AJS 101: Introduction To Criminal Just or AJS 200: CURRENT ISSUES IN CRIMINAL JUSTICE

Social-Behavioral Science

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Justice Studies B.A. degree program.

Natural Science [SQ, SG]
Natural Science

Natural Science
Cultural Diversity in the U.S. [C
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements
Lower Division Second Language: Requirement satisfied through the
following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV

\section*{Lower Division Elective}

0-16 hrs Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

0-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Justice Studies, BS Pathway
\end{abstract}

2018-2019

ASU Major: Justice Studies, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
ENG 215: Strategies of Academic Writin or
ENG 216: PERSUASIVE WRITING ON PUBLIC or ENG 217: PERSONAL \& EXPLORATORY WRITIN or ENG 218: Writing About Literature and Critical Inquiry requirement will need to be taken instead

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Justice Studies B.S. degree program.

Special Requirements: 2.00 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA requirement
Computer/Statistics/Quantitative Applications
[CS] hrs
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Humanities, Arts, and Design [HU]} \\
\hline Humanities, Arts, and Design & &  & PHI 101 or PHI 105 are suggested to satisfy 3 credits of Humanities, Fine Arts, and Design (HU). \\
\hline Humanities, Arts, and Design & 3 hrs & & \\
\hline \multicolumn{4}{|l|}{Social-Behavioral Science [SB]} \\
\hline \begin{tabular}{l}
AJS 200: CURRENT ISSUES IN CRIMINAL JUSTICE or \\
AJS 101: Introduction To Criminal Just
\end{tabular} & 3 hrs & & \\
\hline Social-Behavioral Science & 3 hrs & & \\
\hline \multicolumn{4}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science & & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline Natural Science & & \[
4 \mathrm{hrs}
\] & Select at least one SQ within the Natural Science requirement. \\
\hline
\end{tabular}

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}

MCCCD Additional Requirements
COM 100: Introduction to Human 0.3 hrs

Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
0-3 hrs Complete CRE 101 or equivalent.
\begin{tabular}{l} 
Additional Lower Division Requirements \\
Lower Division Elective
\end{tabular}\(\quad 11-25 \mathrm{hrs}\)\begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's \\
associate degree requirements.
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Kinesiology, BS Pathway

\section*{2018-2019}
\end{abstract}

ASU Major: Kinesiology, BS | College of Health Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] EXS 290: Introduction to Evidence-Based 3 hrs
Practice \(\square\)
Mathematical Studies [MA, CS]
MAT 187: Precalculus OR
MAT 150: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 151: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 152: College Algebra/Functions and
MAT 182: Plane Trigonometry
PSY 230: Introduction to Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social Research/Justice and Government

SWU 225: Statistics for Social Research/Justice and Government
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology

Natural Science [SQ, SG]
BIO 202: Human Anatomy and Physiology

CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR

CHM 150AA: General Chemistry I OR
CHM 151: General Chemistry I or
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151AA: General Chemistry I

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Kinesiology B.S. degree program.

Special Requirements: All courses must be completed with a grade of "C" or better, EXS 101 must be completed with a grade of " B " or better.
greater.

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
BIO 181: General Biology (Majors) I
BIO 182: General Biology (Majors) II
BIO 201: Human Anatomy and Physiology
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
EXS 101: Introduction to Exercise Science,
Kinesiology
PHY 111: General Physics I
Lower Division Elective

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Latin American Studies, BA Pathway}

2018-2019
ASU Major: Latin American Studies, BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Latin American Studies B.A. degree program

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.
\begin{tabular}{ll} 
Additional Lower Division Requirements & \\
SPA 201: Intermediate Spanish I & hrs \\
SPA 202: Intermediate Spanish II & 4 hrs
\end{tabular}
\begin{tabular}{ll} 
Lower Division Elective & \(6-17 \mathrm{hrs}\)
\end{tabular} \begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's \\
associate degree requirements.
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}
Maricopa Community College District
Liberal Studies, BA Pathway
2018-2019
ASU Major: Liberal Studies, BA | College of Integrative Sciences and Arts

Pathway Requirements
MCCCD Additional Requirements
CRE 101: College Critical Reading
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

Additional Lower Division Requirements
Maricopa AGEC 35 hrs AGEC satisties lower division general studies and first year composition.
Lower Division Elective

Lower division electives may be taken to complete associate degree requirements. Up to a maximum total number of 75 credits may be transferred to ASU for students on this pathway.

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C o greater.

Special Requirements
Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must certifed oir Associanse hS or AAEE) compled and noted on AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed
admission to the Liberal Studies, BLS admission to the Liberal Studies, BLS
degree program. The BLS program is degree program. The BLS program is
available Online and allows students to transfer up to 75 credit hours.

\footnotetext{
Total Required Credits: 75
}

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

\section*{Management, BS Pathway}

2018-2019

ASU Major: Management, BS | W. P. Carey School of Business

Pathway Requirements

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
ECN 212: Microeconomic Principles
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science [SQ, SG] & & 4 hrs
\(\square\) & Select at least one SQ within the Natural Science requirement. \\
\hline Natural Science [SQ, SG] & 4 hrs & & \\
\hline \multicolumn{4}{|l|}{MCCCD Additional Requirements} \\
\hline ABUS Business Electives & & 0-6 hrs & Select two courses ( 6 hrs ) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. \\
\hline
\end{tabular}

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

This degree program requires meeting W. P. Carey Bachelor of Science requirements.

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

In addition to a minimum 3.00 cumulative transfer GPA, students must meet one of the following for admission to the W. P. Carey Bachelor of Science degree program: SAT (math and critical reading sections only) Score of 1230 (after March 2016) or 1160 (prior to March 2016),or an ACT composite score of 25 or higher, or a high school class ranking in the top 8 percent, or an overall high school GPA of 3.60 in ASU competency courses \((A=4.00)\).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business (ABUS-GR) and AGEC-B, meets majo map requirements at ASU, and guarantees admission to the university and admission to W.P. Carey Bachelor of Science degree. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BS program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Only 64 credits are transferrable to ASU. Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline Additional Lower Division Requirements & & \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR & & \\
\hline ACC 211: Financial Accounting and ACC 212: Managerial Accounting & & \\
\hline MAT 217: Mathematical Analysis for Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline COM 100: Introduction to Human Communication or COM 225: Public Speaking or COM 230: Small Group Communication or COM 259: COMM IN BUSINESS \& PROFESSIONS &  & If COM225 is selected, it may be also be applied to meet Literacy and Critical Inquiry [L]. \\
\hline PSY Course (SB) &  & MGT320 (required for this major at ASU) requires a prerequisite of PSY101 or SOC101. \\
\hline SOC Course (SB) &  & MGT320 (required for this major at ASU) requires a prerequisite of PSY101 or SOC101. \\
\hline Lower Division Elective & \(0-4 \mathrm{hrs}\) & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Marketing, BS Pathway
2018-2019
ASU Major: Marketing, BS | W. P. Carey School of Business

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
ECN 212: Microeconomic Principles
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science [SQ, SG] & & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline Natural Science [SQ, SG] & 4 hrs & & \\
\hline \multicolumn{4}{|l|}{MCCCD Additional Requirements} \\
\hline ABUS Business Electives & & 0-6 hrs & Select two courses ( 6 hrs ) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200. \\
\hline
\end{tabular}

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

This degree program requires meeting W. P. Carey Bachelor of Science requirements.

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

In addition to a minimum 3.00 cumulative transfer GPA, students must meet one of the following for admission to the W. P. Carey Bachelor of Science degree program: SAT (math and critical reading sections only) score of 1230 (after March 2016) or 1160 (prior to March 2016), OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses \((A=4.00)\).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business (ABUS-GR) and AGEC-B, meets major map requirements at ASU, and guarantees admission to the university and admission to W.P. Carey Bachelo of Science degree. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BS program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes al college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits

Only 64 credits are transferrable to ASU. Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for 3-4 hrs Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication or to meet Literacy and Critical Inquiry [L]. \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Marketing (Digital and Integrated Marketing Communications), BS Pathway \\ 2018-2019
}

ASU Major: Marketing (Digital and Integrated Marketing Communications), BS | W. P. Carey School of Business

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles
ECN 212: Microeconomic Principles
Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

MCCCD Additional Requirements
\(0-6\) hrs Select two courses ( 6 hrs ) in consultation with a Maricopa Advisor from the following: CIS 114DE, CIS133DA, CIS 162AD, GBS 151, GBS 233, GBS 220, (GBS 110 OR MGT 251), IBS 101, MGT 253, MKT 271, PAD 100, REA 179, REA 180, or SBU 200.

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

This degree program requires meeting W. P. Carey Bachelor of Science requirements.

Admission Requirements:
In addition to a minimum 3.00 cumulative transfer GPA, students must meet one of the following for admission to the W. P. Carey Bachelor of Science degree program: SAT (math and critical reading sections only) score of 1230 (after March 2016) or 1160 (prior to March 2016), OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses ( \(A=4.00\) ).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business (ABUS-GR) and AGEC-B, meets major map requirements at ASU, and guarantees admission to the university and admission to W.P. Carey Bachelor of Science degree. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BS program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes a college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Only 64 credits are transferrable to ASU Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for 3-4 hrs Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication or to meet Literacy and Critical Inquiry [L]. \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Marketing (Professional Sales), BS Pathway
2018-2019
\end{abstract}

ASU Major: Marketing (Professional Sales), BS | W. P. Carey School of Business

Pathway Requirements

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

CIS 105: Survey of Computer Information
Systems

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB] ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles
\begin{tabular}{lll}
\begin{tabular}{l} 
Natural Science [SQ, SG] \\
Natural Science [SQ, SG]
\end{tabular} & \\
Natural Science [SQ, SG] & \\
\hline
\end{tabular}

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

This degree program requires meeting W. P. Carey Bachelor of Science requirements.

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

In addition to a minimum 3.00 cumulative transfer GPA, students must meet one of the following for admission to the W. P. Carey Bachelor of Science degree program: SAT (math and critical reading sections only) score of 1230 (after March 2016) or 1160 (prior to March 2016), OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses ( \(A=4.00\) ).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business (ABUS-GR) and AGEC-B, meets major map requirements at ASU, and guarantees admission to the university and admission to W.P. Carey Bachelor of Science degree. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BS program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Only 64 credits are transferrable to ASU. Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and \\
ACC 240: Uses of Accounting Information OR
\end{tabular} & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline MAT 217: Mathematical Analysis for 3-4 hrs Business or MAT 218: Mathematical Analysis for Business & & \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
\(0-3\) hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication or to meet Literacy and Critical Inquiry [L]. \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Mass Communication and Media Studies, BA Pathway \\ \section*{2018-2019}
}

ASU Major: Mass Communication and Media Studies, BA | Walter Cronkite School of Journalism \& Mass Comm

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL © (o)
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}
(

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Mass Communication and Media Studies B.A. degree program

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
Computer/Statistics/Quantitative Applications 3 hrs

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
MCO 120: Media and Society

Social-Behavioral Science 3 hrs -
\begin{tabular}{l|ll}
\begin{tabular}{l} 
Natural Science [SQ, SG] \\
Natural Science
\end{tabular} & 4 hrs & \begin{tabular}{l} 
Natural Science Requirement: complete at least \\
one SQ.
\end{tabular} \\
Natural Science [SQ, SG] & 4 hrs & \begin{tabular}{l} 
Natural Science Requirement: complete at least \\
one SQ.
\end{tabular}
\end{tabular}

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human 0-3 hrs
Communication or
COM 10: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
Lower Division Elective
13-25 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Materials Science and Engineering, BSE Pathway 2018-2019
\end{abstract}

ASU Major: Materials Science and Engineering, BSE | Ira A. Fulton Schools of Engineering

Pathway Requirements

Engineering Core
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
ECE 102: Engineering Analysis Tools an or
ECE 102AA: Engineering Analysis Tools and
Techniques AND
ECE 103: Engineering Problem Solving and
Design or
ECE 103AB: Engineering Problem Solving
and Design
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
MAT 277: Modern Differential Equations or \(3-4\) hrs MAT 276: Modern Differential Equations

CHM 150: General Chemistry I and \(4-5 \mathrm{hrs}\)
CHM 151LL: General Chemistry I Laboratory OR

CHM 150AA: General Chemistry I OR
CHM 151: General Chemistry I or CHM 151LL: General Chemistry I Laboratory OR

CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II

CHM 152AA: General Chemistry II
```

PHY 121: UNIVERSITY PHYSICS I

```
MECHANICS or

PHY 115: University Physics I
PHY 131: University Physics II: Electricity and Magnetism or
PHY 116: University Physics II
Humanities, Arts, and Design and
AGEC Awareness Areas
Social-Behavioral Science and
AGEC Awareness Areas

Pathway Notes
There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway (MAPP) and all special requirements meets ASU major map requirements for the Materials Science and Engineering degree program. A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While requirements listed will meet ASU requirements listed will meet ASU degree requirements, only 64 c
hours are transferable to ASU.

Students interested in completing the BSE Materials Science and Engineering degree with two additional years at ASU, must complete MSE 250 through concurrent-enrollment or in the summer prior to admission. Students are also strongly encouraged to concurrently enroll in MSE 215 during the fall semester prior to admission to ASU. Students are strongly encouraged to contact the SEMTE Advising Office at (480) \(965-2335\) to meet with an academic advisor upon enrollment into a MAPP at the community college.
BIO 201: Human Anatomy and Physiology I or
BIO 201XT: Human Anatomy and Physiology I
CHM 230: Fundamental Organic Chemistry OR
CHM 230: Fundamental Organic Chemistry and
CHM 230LL: Fundamental Organic Chemistry Laboratory
ECE 215: Mechanics of Materials

Total Required Credits: 63

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Mathematics, BA Pathway}

2018-2019

ASU Major: Mathematics, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Compositio
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}
\(\square\)

Mathematical Studies [MA, CS]
MAT 220: Calculus with Analytic Geometry
or
MAT 221: Calculus with Analytic Geometry


CSC 100: Introduction to Computer Science 3 hrs
CSC 100AA: Introduction to Computer
Science ( \(\mathrm{C}++\) ) or
CSC 110AA: Introduction to Computer
Science (Java) or
Science (Java) or
CSC 110: Introduction to Computer Science
CSC 110:
CSC 110AB: Intro to Computer Science
(JAVA)

Humanities, Arts, and Design [HU
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

\section*{3 hrs}


Social-Behavioral Science

Natural Science [SQ, SG]
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS or
PHY 115: University Physics I
Natural Science
\(\qquad\)

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Mathematics B.A. degree program
2.8 cumulative GPA in all Sun Devil

Tracking courses: CSC100 or 110,
MAT221, MAT231, MAT241, MAT227
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
MAT 227: Discrete Mathematical Structures OR
MAT 262: Differential Equations or
MAT 277: Modern Differential Equations
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
Lower Division Second Language: Requirement satisfied through the
following: Completion of a language course at the intermediate level
(202 or equivalent), including American Sign Language IV.

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Mathematics, BS Pathway
2018-2019

ASU Major: Mathematics, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}
Mathematical Studies [MA, CS]
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
CSC 110: Introduction to Computer Science
(JAVA) or
CSC 110AA: Introduction to Computer
Science (JAVA) or
CSC 110AB: Intro to Computer Science
(JAVA)

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
\begin{tabular}{ll} 
Social-Behavioral Science & 3 hrs \\
Social-Behavioral Science & 3 hrs \\
\hline
\end{tabular}
Natural Science [SQ, SG]
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS
Natural Science [SQ, SG]
Natural Science [SQ, SG] 4 hrs PHY 131 recommended, but not required

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Mathematics B.S. degree program.
3.0 cumulative GPA in all Sun Devil Tracking courses: CSC110, CSC110AA CSC205, CSC205AA, MAT221, MAT231, MAT 241

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU Students which you are ensponsible for working with their are responsible for working with their are on file with ASU. For more are on file wit
information
https://transfer.asu.edu/credits

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3 \mathrm{hrs}\) Complete CRE 101 or equivalent.
Additional Lower Division Requirements
CSC 205: Object Oriented Programming and
Data Structures or
CSC 205AA: Object Oriented Programming
and Data Structures or
CSC 205AB: Object Oriented Programming
and Data Structures
MAT 227: Discrete Mathematical Structures
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
MAT 262: Differential Equations or hrs
MAT 276: Modern Differential Equations or
MAT 277: Modern Differential Equations
Lower Division Elective

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Mathematics (Statistics), BS Pathway
2018-2019

ASU Major: Mathematics (Statistics), BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL © (o)
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

MAT 220: Cal Studies [MA]
or
MAT 221: Calculus with Analytic Geometry

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

\section*{3 hrs}

Humanities, Arts, and Design 3 hrs

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science 3 hrs \%

Recommend selecting a course that satisfies Literacy \& Critical Inquiry, Social-Behavioral Sciences, Humanities \& Fine Arts, COM, or CRE 101 requirements simultaneously. PHI 103 : Introduction to Logic (L) recommended.

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Sciences degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Mathematics B.S. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 3.0 cumulative GPA in all Sun Devil Tracking courses: CSC110, CSC205, MAT221, MAT231, MAT 241.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits.

Natural Science [SQ, SG]
PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I
MECHANICS

PHY 116: University Physics II or
PHY 131: University Physics II: Electricity and Magnetism
Subject Options
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
Cultural Diversity in the U.S. [C]
Historical or Global Awareness \([\mathrm{H}]\) or \([\mathrm{G}]\)
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
CSC 110: Introduction to Computer Scie or
CSC 110AA: Introduction to Computer Scie
or
CSC 110AB: Intro to Computer Science (JA hrs
CSC 205: Object Oriented Programming a or
CSC 205AA: Object Oriented Programming a
or
CSC 205AB: Object Oriented Programming a
or
CSC 205AC: Object Oriented Programming
a or
CSC 205AD: Object Oriented Programming
a

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Mechanical Engineering, BSE Pathway \\ 2018-2019
}

ASU Major: Mechanical Engineering, BSE | Ira A. Fulton Schools of Engineering

Pathway Requirements

Engineering Core
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
ECE 102: Engineering Analysis Tools an or
ECE 102AA: Engineering Analysis Tools and ECE 102AA: Engineering Analysis Tools and Techniques AND

ECE 103: Engineering Prob or
ECE 103AB: Engineering Prob
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
MAT 277: Modern Differential Equations or
MAT 276: Modern Differential Equations
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I or
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS or
PHY 115: University Physics I
PHY 131: University Physics II: Electricity
and Magnetism or
PHY 116: University Physics II


AGEC Awareness Area

Social-Behavioral Science and AGEC Awareness Areas

Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.

Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway (MAPP) and all special requirements meets ASU major map requirements for the Mechanical Engineering degree program. A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU.

Students interested in completing the Students interested in completing the with two additional years at ASU, must complete MAE 241 (Intro to
Thermodynamics) and MAE 384 through dual-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.
\begin{tabular}{|c|c|c|}
\hline MAT 225: Elementary Linear Algebra & & Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU. \\
\hline ECE 211: Engineering Mechanics-Statics & 3 hrs & \\
\hline ECE 212: Engineering Mechanics-Dynamics & 3 hrs & \\
\hline ECE 215: Mechanics of Materials & 3 hrs & \\
\hline ECE 105: MATLAB Programming OR & 1-3 hrs & \\
\hline CSC 110: Introduction to Computer Scie & & \\
\hline ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering La & 3 hrs & \\
\hline EEE 202: Circuits and Devices & \(0-5 \mathrm{hrs}\) & \\
\hline Humanities, Arts, and Design and AGEC Awareness Areas & 0-3 hrs & \\
\hline Social-Behavioral Science and AGEC Awareness Areas & 0-3 hrs & \\
\hline
\end{tabular}

Total Required Credits: 63

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Mechanical Engineering (Computational Mechanics), BSE Pathway 2018-2019
\end{abstract}

ASU Major: Mechanical Engineering (Computational Mechanics), BSE | Ira A. Fulton Schools of Engineering

Pathway Requirements

Engineering Core
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
ECE 102: Engineering Analysis Tools an and
ECE 102AA: Engineering Analysis Tools and
Techniques AND
ECE 103: Engineering Problem Solving and
Design or
ECE 103AB: Engineering Problem Solving
and Design
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
MAT 277: Modern Differential Equations or
MAT 276: Modern Differential Equations
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR

CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR

CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I

CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR

CHM 152AA: General Chemistry II
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS or
PHY 115: University Physics I
PHY 131: University Physics II: Electricity
and Magnetism or
PHY 116: University Physics II

Humanities, Arts, and Design and AGEC Awareness Areas

Social-Behavioral Science and AGEC Awareness Areas

Take one course that satisfies Humanities and Fine Arts AND an Awareness Area requirement.

Take one course that satisfies Social-Behavioral Science AND an Awareness Area requirement.

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway (MAPP) and all special requirements meets ASU major map requirements for the Mechanical Engineering (Computational Mechanics) degree program. A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While with a grade of "Ct or better. While requirements listed will meet ASU degree requirements, only 64 c
hours are transferable to ASU.

Students interested in completing the BSE Mechanical Engineering (Computational Mechanics) degree with two additional years at ASU, must complete MAE 241 (Intro to Thermodynamics) and MAE 384 through dual-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at (480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college
\begin{tabular}{|c|c|c|c|}
\hline MAT 225: Elementary Linear Algebra & & 3 hrs & Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU. \\
\hline CSC 110: Introduction to Computer Scie or ECE 105: Matlab Programming & \(1-3 \mathrm{hrs}\) & & \\
\hline ECE 211: Engineering Mechanics- Statics & 3 hrs & & \\
\hline ECE 212: Engineering Mechanics-Dynamics & 3 hrs & & \\
\hline ECE 215: Mechanics of Materials & 3 hrs & & \\
\hline ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering La & 3 hrs & & \\
\hline EEE 202: Circuits and Devices & \(0-5\) hrs & & \\
\hline Humanities, Arts, and Design and AGEC Awareness Areas & 0.3 hrs & & \\
\hline Social-Behavioral Science and AGEC Awareness Areas & 0.3 hrs & & \\
\hline
\end{tabular}

Total Required Credits: 63

\section*{Pathway Agreement}

Maricopa Community College District
Mechanical Engineering (Energy and Environment), BSE Pathway
2018-2019
ASU Major: Mechanical Engineering (Energy and Environment), BSE | Ira A. Fulton Schools of Engineering

Pathway Requirements
\begin{tabular}{|c|c|}
\hline Engineering Core & \\
\hline \begin{tabular}{l}
ENG 101: First-Year Composition or \\
ENG 107: First-Year Composition for ESL
\end{tabular} &  \\
\hline \begin{tabular}{l}
ENG 102: First-Year Composition or \\
ENG 108: First-Year Composition for ESL
\end{tabular} &  \\
\hline ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools and Techniques AND &  \\
\hline ECE 103: Engineering Problem Solving and Design or ECE 103AB: Engineering Problem Solving and Design & \\
\hline \begin{tabular}{l}
MAT 220: Calculus with Analytic Geometry I or \\
MAT 221: Calculus with Analytic Geometry I
\end{tabular} &  \\
\hline \begin{tabular}{l}
MAT 230: Calculus with Analytic Geometry II or \\
MAT 231: Calculus with Analytic Geometry II
\end{tabular} &  \\
\hline \begin{tabular}{l}
MAT 240: Calculus with Analytic Geometry II or \\
MAT 241: Calculus with Analytic Geometry II
\end{tabular} &  \\
\hline MAT 277: Modern Differential Equations or MAT 276: Modern Differential Equations & 3-4 hrs \\
\hline CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR &  \\
\hline CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR & \\
\hline CHM 150AA: General Chemistry I or CHM 151AA: General Chemistry I & \\
\hline CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR &  \\
\hline CHM 152AA: General Chemistry II & \\
\hline \begin{tabular}{l}
PHY 121: UNIVERSITY PHYSICS I: \\
MECHANICS or \\
PHY 115: University Physics I
\end{tabular} &  \\
\hline PHY 131: University Physics II: Electricity and Magnetism or PHY 116: University Physics II &  \\
\hline Humanities, Arts, and Design and AGEC Awareness Areas & \\
\hline Social-Behavioral Science and AGEC Awareness Areas & \\
\hline
\end{tabular}

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa to ASU Engineering Pathway (MAPP) and all special requirements meets ASU major map requirements for the Mechanical Engineering (Energy and Environment) degree program. A3.0 transfer GPA as calculated by ASU for admissions is required. All courses must be completed with a grade of "C" or better. While with a grade of "C" or better. While requirements listed will meet ASU degree requirements, only 64 c
hours are transferable to ASU.

Students interested in completing the BSE Mechanical Engineering (Energy and Environment) degree with two additional years at ASU, must complete MAE 241 (Intro to Thermodynamics)and MAE 384 through dual-enrollment or in the summer prior to admission. Students are strongly encouraged to contact the SEMTE Advising Office at
(480)965-2335 to meet with an academic advisor upon enrollment into a MAPP at the community college.
\begin{tabular}{|c|c|c|c|}
\hline MAT 225: Elementary Linear Algebra & & 3 hrs & Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 211, ECE 212, ECE 215, ECE 105 or CSC 110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU. \\
\hline ECE 211: Engineering Mechanics-Statics & 3 hrs & & \\
\hline ECE 212: Engineering Mechanics-Dynamics & 3 hrs & & \\
\hline ECE 215: Mechanics of Materials & 3 hrs & & \\
\hline ECE 105: MATLAB Programming OR & 1-3 hrs & & \\
\hline CSC 110: Introduction to Computer Science (Java) & & & \\
\hline ECE 216: Computer-Aided Engineering and ECE 216LL: Computer-Aided Engineering Laboratory & 3 hrs & & \\
\hline EEE 202: Circuits and Devices & 0.5 hrs & & \\
\hline Humanities, Arts, and Design and AGEC Awareness Areas & 0.3 hrs & & \\
\hline Social-Behavioral Science and AGEC Awareness Areas & 0-3 hrs & & \\
\hline
\end{tabular}

Total Required Credits: 63

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Medical Studies, BS Pathway
\end{abstract}

\section*{2018-2019}

ASU Major: Medical Studies, BS | College of Health Solutions

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 150: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 151: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 152: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 187: Precalculus
Computer/Statistics/Quantitative Applications
[CS]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Medical Studies B.S degree program.

While the Medical Studies B.S. MAPP is listed here as an Associate in Arts/AGEC-A, students have the option to pursue an Associate in
Science/AGEC-S. Consult an academic advisor to discuss which associate's degree requirements align best with your educational and career goals. Students pursuing an Associate in Science (AS) degree must complete all AS
requirements (refer to Maricopa Community Colleges AS checksheet), including MAT220 or MAT221 and Subject Options, and are not required to take Computer/Statistics/Quantitative Applications (CS).

Students will take CHS 300 upon transfer to ASU.
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology
SOC 101: Introduction to Sociology or
CFS 205: Human Development or
ECN 211: Macroeconomic Principles or
COM 100: Introduction to Human Communication
Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I
BIO 182: General Biology (Majors) II
Cultural Diversity in the U.S. [C]
Historical or Global Awareness \([\mathrm{H}]\) or \([\mathrm{G}]\)
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I L
CHM 236: General Organic Chemistry IIA
and
CHM 236LL: General Organic Chemistry II
HES 210: Cultural Aspects of Health and
IIIness or
IFS 215: Cultural Context of Health
Information
Professional Track Courses

Total Required Credits: 64

\section*{Track/Groups}

Professional Track Courses
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|r|}{Professional Track Courses} \\
\hline BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I OR & Occupational Therapy Professional Track. If choosing PHY courses, \\
\hline \begin{tabular}{l}
BIO 202: Human Anatomy and Physiology II OR \\
PHY 101: Introduction to Physics or PHY 101AA: Introduction to Physics OR
\end{tabular} & \begin{tabular}{l} 
select PHY 101/101AA OR PHY \\
111/111AA, not both.
\end{tabular}
Professional
Courses \\
\hline PHY 111: General Physics I or PHY 111AA: General Physics I & \\
\hline \begin{tabular}{l}
BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I OR \\
BIO 202: Human Anatomy and Physiology II OR
\end{tabular} & \begin{tabular}{cc} 
Pharmacy Professional Track & Professional \\
Courses & Track
\end{tabular} \\
\hline BIO 205: Microbiology OR & \\
\hline PHY 111: General Physics I or PHY 111AA: General Physics I & Professional Track Courses \\
\hline BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I OR & Physical Therapy Professional Track \\
\hline BIO 202: Human Anatomy and Physiology II OR & \\
\hline
\end{tabular}
```

PHY 111: General Physics Ior
PHY 111AA: General Physics I OR
PHY 112: General Physics II

| BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I OR | Medicine (MD/DO) Professional Track | Professional |
| :---: | :---: | :---: |
| BIO 202: Human Anatomy and Physiology II OR | Courses |  |
| BIO 205: Microbiology OR |  |  |
| PHY 111: General Physics I or PHY 111AA: General Physics I OR |  |  |
| PHY 112: General Physics II |  |  |
| BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I OR | Optometry Professional Track |  |
| BIO 202: Human Anatomy and Physiology II OR |  |  |
| BIO 205: Microbiology OR |  |  |

PHY 111: General Physics I or
PHY 111AA: General Physics I OR
PHY 112: General Physics II
BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology I OR
BIO 202: Human Anatomy and Physiology II OR
BIO 205: Microbiology OR
PHY 111: General Physics I or
PHY 111AA: General Physics I OR
PHY 112: General Physics II

```

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Microbiology, BS Pathway

ASU Major: Microbiology, BS | College of Liberal Arts and Sciences

\section*{2018-2019}
\end{abstract}

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Microbiology B.S degree program.


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

\section*{3 hrs}
\%
3 hrs
家

Social-Behavioral Science [SB]
Social-Behavioral Science
3 hrs

3 hrs
+

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II

CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I or
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements BIO 220: Biology of Microorganisms

CHM 230: Fundamental Organic Chemistry and
CHM 230LL: Fundamental Organic Chemistry OR
CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I L OR

CHM 236: General Organic Chemistry IIA and CHM 236LL: General Organic Chemistry IIA

PHY 101: Introduction to Physics OR
PHY 111: General Physics I and
PHY 112: General Physics II OR
PHY 101AA: Introduction to Physics
Lower Division Elective \(\quad\)\begin{tabular}{ll}
\(0-11 \mathrm{hrs}\)
\end{tabular} \begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's \\
associate degree requirements.
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}
Maricopa Community College District
Microbiology (Medical Microbiology), BS Pathway
2018-2019
ASU Major: Microbiology (Medical Microbiology), BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

\section*{Mathematical Studies [MA]}

MAT 220: Calculus with Analytic Geometry I \(4-5\) hrs
or
MAT 221: Calculus with Analytic Geometry

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]


3 hrs
(

Recommend selecting a course that satisfies ( \(L\) and SB ) or ( L and HU ), or ( L and COM ), or ( L and CRE101) requirements simultaneously.

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\author{
Special Requirements
}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Microbiology (Medical Microbiology), BS degree program.

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II

General Education Awareness Areas \([\mathrm{C}, \mathrm{H}, \mathrm{G}]\)
Cultural Diversity in the U.S. [C]
Historical or Global Awareness \([\mathrm{H}]\) or \([\mathrm{G}]\)

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COMmunication or 110 : Interpersonal Communication
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
BIO 220: Biology of Microorganisms 4 hrs

CHM 230: Fundamental Organic Chemistry and
CHM 230LL: Fundamental Organic Chemistry Lab

CHM 236: General Organic Chemistry IIA and
CHM 236LL: General Organic Chemistry IIA Laboratory OR
CHM 238: General Organic Chemistry IIB and
CHM 238LL: GENERAL ORGANIC CHEMISTRY IIB LAB
MAT 206: Elements of Statistics OR
3 hrs
SWU 225: Statistics for Social
Research/Justice and Government OR
PSY 230: Introduction to Statistics
PHY 101: Introduction to Physics or
PHY 101AA: Introduction to Physics

Lower Division Elective

Pre-health students should take two semesters of Physics. See pre-health website for more information:
http://prehealth.asu.edu/explore/curriculum.
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. Pre-health students should take CHM 234 and CHM 238 as electives before transfer. See pre-health website for more information:
http://prehealth.asu.edu.explore/curriculum. BIO 340 and BIO 345 will need to be taken after transfer.

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Molecular Biosciences and Biotechnology, BS Pathway \\ 2018-2019
}

ASU Major: Molecular Biosciences and Biotechnology, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or ENG 107: First-Year Composition for ESL © (o)

ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]
Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
MAT 206: Elements of Statistics OR
SWU 225: Statistics for Social
Research/Justice and Government OR
PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree requirements at ASU, and guarantees admission to the Biological Sciences
greater.

\section*{Special Requirements} and AGEC-S, meets major map B.S. degree program.

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I

BIO 182: General Biology (Majors) II
\(\square\) 4 hrs

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness \([\mathrm{H}]\) or \([\mathrm{G}]\)
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
BIO 220: Biology of Microorganisms

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Music, BA Pathway
2018-2019

ASU Major: Music, BA | Herberger Institute for Design and the Arts

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
COM 225: Public Speaking 3 hrs
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
MTC 180: COMPUTER LITERACY for
MUSICIANS
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{Humanities, Arts, and Design [HU] MHL 194: Music and Culture}} & & \\
\hline & & \[
3 \mathrm{hrs}
\] & MHL 194 also fulfills Global [G] awareness area Can be taken after transfer to ASU. \\
\hline Humanities, Arts, and Design [HU] & 3 hrs & & \\
\hline \multicolumn{4}{|l|}{Social-Behavioral Science [SB]} \\
\hline Social-Behavioral Science [SB] & 3 hrs & & \\
\hline Social-Behavioral Science [SB] & 3 hrs & & \\
\hline \multicolumn{4}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science [SQ, SG] & & 4 hrs & Select at least one [SQ] within the Natural Science requirement. \\
\hline Natural Science [SQ, SG] & & 4 hrs & Select at least one [SQ] within the Natural Science requirement. \\
\hline
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU.

Acceptance into the School of Music is contingent upon a successful audition the semester before transferring to ASU Please refer to the following website for application and audition deadlines: http://music.asu.edu/admissions/ Students wishing to pursue a Bachelors of Music Degree (with the exception of BM Theory \& Composition in Theory) should meet with a Herberger advisor to discuss audition preparation by their third term of study at the community college. The Bachelor of Music degree requires successful completion of an audition demonstrating a high level of musicianship and may require more than 2 years of study at ASU.

MHL 241 and MHL 242: Transferring students who have completed MHL 241 and/or 242 are not required to take MHL 341 and/or 342 at ASU. Students who take these courses may elect alternate upper division MHL courses at ASU (MHL 439 or MHL 440 recommended).

Piano proficiency at ASU: Proficiency exam requirements are found at
https://music.asu.edu/resources/new-students/c
Transferring students are advised to
take the piano proficiency exam
immediately upon transfer to ASU.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.
\begin{tabular}{l|cc|} 
COM 100: Introduction to Human Communication or & 0 hrs & Met by COM 225 \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent.
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
Additional Lower Division Requirements \\
MTC 105: Music Theory I and \\
MTC 106: Aural Perception I
\end{tabular} & & \\
\hline MTC 155: Music Theory II and MTC 156: Aural Perception II & & \\
\hline MTC 205: Music Theory III and MTC 206: Aural Perception III & & \\
\hline MTC 255: Music Theory IV and MTC 256: Aural Perception IV & & \\
\hline MUP 102: Course Title Not Available & 2 hrs & MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument. \\
\hline MUP 152: Course Title Not Available & 2 hrs & MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument. \\
\hline MUP 202: Course Title Not Available & 2 hrs & MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument. \\
\hline MUP 252: Course Title Not Available & 2 hrs & MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument. \\
\hline Second Language Requirement satisfied through the following: Completion of language course at the intermediate level (course must transfer to ASU at the 202 level or above). American Sign Language does not fulfill the degree requirements. & 0-16 hrs & Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. \\
\hline Lower Division Elective & \(0-5 \mathrm{hrs}\) & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 64

\section*{Pathway Agreement}
Maricopa Community College District
Nonprofit Leadership and Management, BS Pathway
2018-2019

ASU Major: Nonprofit Leadership and Management, BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL © (o)
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

\section*{3 hrs} (

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map
requirements at ASU, and guarantees admission to the Nonprofit Leadership \& Management B.S. degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
Computer/Statistics/Quantitative Applications
(CS)
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]

AJS 101: Introduction To Criminal Justice 3 hrs AJS 101 satisfies one of the two courses for the

SOC 101: Introduction to Sociology 3 hrs
\(\square\) \(\because\)

Natural Science [SQ, SG]
\begin{tabular}{l|ll} 
Natural Science & 4 hrs & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement.
\end{tabular} \\
Natural Science & 4 hrs & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement.
\end{tabular}
\end{tabular}

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

\begin{tabular}{l|l|l} 
COM 100: Introduction to Human Communication or & \(0-3 \mathrm{hrs}\) & Met by COM 225 \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent. \\
CRE 101: College Critical Reading & &
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline COM 259: COMMUNICATION IN & 6 hrs & & \\
\hline \multicolumn{4}{|l|}{BUSINESS \& PROFESSIONS and} \\
\hline \multicolumn{4}{|l|}{COM 263: ELEMENTS OF} \\
\hline \multicolumn{4}{|l|}{INTERCULTURAL COMM} \\
\hline REC 210: Leisure Delivery Systems & 3 hrs & & \\
\hline REC 230: PROGRAMMING OF & 3 hrs & & \\
\hline \multicolumn{4}{|l|}{RECREATION SERVICES} \\
\hline SWU 171: Introduction to Social Welfare & & 3 hrs & SWU 171 satisfies one of the two courses for the Public Programs Interdisciplinary requirement. \\
\hline Lower Division Elective & & 0-10 hrs & Lower Division Electives may include REC 250 and REC 120 if desired. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Nursing, BSN Pathway
2018-2019

ASU Major: Nursing, BSN | College of Nursing and Health Innovation

\section*{Pathway Requirements}

First Year Composition
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics OR
MAT 150: College Algebra or
MAT 151: College Algebra or
MAT 151AA: College Algebra / Functions I and
MAT 151AB: College Algebra / Functions II and
MAT 151AC: College Algebra / Functions III and
MAT 151AD: College Algebra / Functions IV or satisfied by any course that transfers to
MAT 152: College Algebra OR
ASU with a MA designation as shown in the
Course Equivalency Guide.
MAT 150: College Algebra and
MAT 182: Functions OR
MAT 151: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 152: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 187: Precalculus OR
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science
PSY 101: Introduction to Psychology

Natural Science
BIO 202: Human Anatomy and Physiology II

\section*{4 hrs}

\section*{4 hrs}
(0)

Pathway Notes
There are no notes for this pathway

\section*{Special Requirements}

Completion of the Maricopa-ASU RN-BSN Pathway Program and the special requirements satisfies the requirements for MCCCD Associate of Applied Science degree, satisfies lowe division RN-BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN-BSN program.

Special Requirements: A grade of "C" or better in each course and a minimum 2.50 cumulative GPA in the following courses is required for guaranteed admission: ENG 101, ENG 102, (or ENG 107, ENG 108) BIO 201, BIO 202, BIO 205, CHM 130 with lab, and PSY 101. In addition, students must complete the courses that meet the listed general studies requirements with a grade of "C" or better. These courses are not included in the 2.50 cumulative GPA computation. All remaining courses mus be completed with a grade of "C" or better.

Upon transfer to ASU: Students must have a current RN license in good standing before taking the courses in the RN-BSN program (TWC/NUR)

All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU

ASU will accept up to 75 transfer credi hours from an Arizona community college for the BSN. ASU will accept up to 90 transfer credit hours for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits

CHM 130: Fundamental Chemistry and CHM 130LL: Fundamental Chemistry Laborat OR

CHM 130AA: Fundamental Chemistry with Lab
\(\left.\begin{array}{ll}\text { Cultural Diversity in the US, Historical or Global } & 0 \text { hrs }\end{array} \begin{array}{l}\text { ASU requires all three awareness areas (C, G, } \\
\text { and H) for graduation. Student may select an HU } \\
\text { General Education course that concurrently }\end{array}\right\}\)\begin{tabular}{l} 
satisfies C, G, and/or H. Awareness areas may \\
be completed at the community college or after \\
transferring to ASU.
\end{tabular}

MCCCD Additional Requirements CRE 101: College Critical Reading

0-3 hrs CRE 101 or equivalent.
Additional Lower Division Requirements
BIO 156: Introductory Biology for Alli or
BIO 181: General Biology (Majors) I
BIO 201: Human Anatomy and Physiology I
BIO 205: Microbiology
NUR 152: Nursing Theory and Science I
NUR 172: Nursing Theory and Science II
NUR 252: Nursing Theory and Science III
NUR 283: Nursing Theory and Science IV
PSY 230: Introduction to Statistics OR
MAT 206: Elements of Statistics OR
GBS 221: Business Statistics

Total Required Credits: 70

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Nutrition, BS Pathway

\section*{2018-2019}

ASU Major: Nutrition, BS | College of Health Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] EXS 290: Introduction to Evidence-Based 3 hrs
Practice


\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees requirements at ASU, and guarantees adrogram. Upon transfor, students will program. Upon transfer, students will choose one of the tracks to complete:
Nutrition Communication, Food Studies, Nutrition Communication,

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
GBS 221: Business Statistics OR
PSY 230: Introduction to Statistics OR
MAT 206: Elements of Statistics OR
SWU 225: Statistics for Social Research/Justice and Government
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]


Natural Science [SQ, SG]
CHM 130: Fundamental Chemistry and CHM 130LL: Fundamental Chemistry Laborat OR

CHM 130AA: Fundamental Chemistry with
Lab

Cultural Diversity in the U.S. [C]
Historical or Global Awareness \([\mathrm{H}]\) or \([\mathrm{G}]\)
\begin{tabular}{l|ll} 
MCCCD Additional Requirements & & \\
COM 100: Introduction to Human Communication or & \(0-3\) hrs & COM 100 and COM 225 also meet Nutrition \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or & & \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent.
\end{tabular}
Additional Lower Division Requirements
HES 210: Cultural Aspects of Health and
Illness or
IFS 215: Cultural Context of Health
Information

FON 100: Introductory Nutrition or
FON 241: Principles of Human Nutrition
FON 142AB: Applied Food Principles
\(\left.\begin{array}{ll}\text { Professional Track Course } & 0-9 \text { hrs }\end{array} \begin{array}{l}\text { This requirement may be completed after } \\ \text { transfer to ASU. Students may complete any } \\ \text { number of courses from one track corresponding } \\ \text { to the professional concentration chosen for the } \\ \text { major. Courses may be used to satisfy any }\end{array}\right\}\)

Total Required Credits: 60

\section*{Track/Groups}

Professional Track Course

\section*{Professional Track Course}

HRM 160: Tourism Principles And Practices

\section*{Professional Track Course}

\footnotetext{
COM 100: Introduction to Human Communication OR

Nutrition Communication
Professional Track
COM 207: Intro to COMMUNICATION INQUIRY OR

COM 225: Public Speaking
}

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Nutrition (Dietetics), BS Pathway

\section*{2018-2019}

ASU Major: Nutrition (Dietetics), BS | College of Health Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
EXS 290: Introduction to Evidence-Based 3 hrs
Practice

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement

GBS 221: Business Statistics or 3 hrs
MAT 206: Elements of Statistics or (o)
SWU 225: Statistics for Social
Research/Justice and Government or
PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology

Social-Behavioral Science

\footnotetext{
Natural Science [SQ, SG]
CHM 130: Fundamental Chemistry and 4 rs
CHM 130LL: Fundamental Chemistry
Laborat OR
CHM 130AA: Fundamental Chemistry with
Lab
BIO 201: Human Anatomy and Physiology I 4 hrs
}
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
BIO 202: Human Anatomy and Physiology II
BIO 205: Microbiology
CHM 230: Fundamental Organic Chemistry
and
CHM 230LL: Fundamental Organic
Chemistry Laboratory
\begin{tabular}{l} 
FON 125: Introduction to Professions in \\
Food, Nutrition, and Dietetics \\
FON 142AB: Applied Food Principles \\
FON 241: Principles of Human Nutrition \\
Lower Division Elective
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Nutrition (Human Nutrition), BS Pathway
}

\section*{2018-2019}

ASU Major: Nutrition (Human Nutrition), BS | College of Health Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
EXS 290: Introduction to Evidence-Based 3 hrs
Practice

Mathematical Studies [MA, CS]
MAT 150: College Algebra/Functions or
MAT 151: College Algebra/Functions or
MAT 152: College Algebra/Functions OR
MAT 150: College Algebra/Functions and
MAT 182: Plane Trigonometry or
MAT 151: College Algebra/Functions and
MAT 151: College Algebra/Function
MAT 182: Plane Trigonometry or
MAT 152: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 187: Precalculus

GBS 221: Business Statistics or PSY 230: Introduction to Statistics or MAT 206: Elements of Statistics or SWU 225: Statistics for Social
Research/Justice and Government

Humanities, Arts, and Design [HU] Humanities, Arts, and Design

Humanities, Arts, and Design
Humanities, Arts, and Design 3 hrs

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science3 hrs

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Nutrition (Human Nutrition) B.S. degree program.

Special Requirements: 2.0 GPA in coursework used to satisfy MAPP coursework used to satisfy MAPP completed with a grade of "C" or better.

ASU's Nutrition (Human Nutrition) BS degree does not meet the Academy of Nutrition and Dietetics Didactic Program in Dietetics (DPD) requirements, thus does not qualify students to apply for a Dietetic Internship
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 150AA: General Chemistry I OR
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II
Laboratory OR
CHM 152AA: General Chemistry II
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness \([\mathrm{H}]\) or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
BIO 181: General Biology (Majors) I
BIO 201: Human Anatomy and Physiology
BIO 202: Human Anatomy and Physiology
CHM 235: General Organic Chemistry I and
CHM 235LL: General Organic Chemistry I L OR
CHM 230: Fundamental Organic Chemistry and
CHM 230LL: Fundamental Organic Chemistry Laboratory
CHM 236: General Organic Chemistry IIA and
CHM 236LL: General Organic Chemistry IIA Laboratory OR
CHM 238: General Organic Chemistry IIB and
CHM 238LL: GENERAL ORGANIC CHEMISTRY IIB LAB
FON 142AB: Applied Food Principles
FON 241: Principles of Human Nutrition

Total Required Credits: 64

\section*{Pathway Agreement}
Maricopa Community College District
Organizational Leadership, BA Pathway
\(2018-2019\)

ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts

Pathway Requirements

MCCCD Additional Requirements
COM 100: Introduction to Human Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

CRE 101: College Critical Reading

Additional Lower Division Requirements
Maricopa AGEC - A, B, or
\begin{tabular}{lll} 
MGT 229: Management and Leadership I & hrs & \(0-3\) hrs
\end{tabular} \begin{tabular}{l} 
Can be taken after transfer but strongly \\
recommended to complete before transfer.
\end{tabular}

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C o greater.

Special Requirements
Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must certied their Associate Degree (AA AS or AAEE) compled and noted on AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed
admission to the Organizational Leadership BA. degree program.

Special requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Parks and Recreation Management, BS Pathway
}

\section*{2018-2019}

ASU Major: Parks and Recreation Management, BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
COM 225: Public Speaking 3 hrs
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher course that meets MA requirements
Lower Division
Computer/Statistics/Quantitative Applications
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
REC 120: Leisure and the Quality of Life

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
ne

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Parks \& Recreation Management B.S. degree program.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
\begin{tabular}{ll} 
Social-Behavioral Science \([\mathrm{SB}]\) & \begin{tabular}{l} 
Thrs \\
Requirement Areas would all fulfill three credits \\
of the Social \& Behavioral Sciences AGEC
\end{tabular} \\
requirement: AJS 101, AJS 225, AJS 270, PAD \\
200, and SWU 171.
\end{tabular}

Science requirme

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
\begin{tabular}{l|lll} 
COM 100: Introduction to Human Communication or & 0 hrs & MCCCD COM Requirement: Satisfied by COM \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent. \\
CRE 101: College Critical Reading & &
\end{tabular}
\(\begin{array}{l}\text { Additional Lower Division Requirements } \\ \text { REC 150AB: Outdoor Adventure Skills }\end{array} \quad 3\) hrs \(\left.\left.\begin{array}{l}\text { REC 150AB: ASU Parks \& Recreation } \\ \text { Management BS requires } 7 \text { courses to fulfill the } \\ \text { PRM Related Area requirement for graduation. }\end{array}\right] \begin{array}{l}\text { The remaining } 6 \text { courses will be completed after } \\ \text { transfer to ASU. }\end{array}\right]\)

Total Required Credits: 60

\section*{Track/Groups}

\section*{Interdisciplinary Requirement}
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|r|}{Interdisciplinary Requirement} \\
\hline AJS 101: Introduction To Criminal Just OR & Interdisciplinary Requirement Area \#1 \\
\hline AJS 212: Juvenile Justice Procedures OR & Interdisciplinary Requirement \\
\hline AJS 225: Criminology OR & \\
\hline AJS 109: Substantive Criminal Law OR & \\
\hline AJS 270: Community Relations & Interdisciplinary Requirement \\
\hline PAD 100: 21st Century Public Policy and Service OR & Interdisciplinary Requirement Area \#2 \\
\hline PAD 200: Public Affairs Economics & \\
\hline SWU 171: Introduction to Social Welfare & Interdisciplinary Requirement Area \#3 \\
\hline
\end{tabular}

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Parks and Recreation Management (Therapeutic Recreation), BS Pathway \\ 2018-2019}

ASU Major: Parks and Recreation Management (Therapeutic Recreation), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Parks \& Recreation admission to the Parks \& Recreation Management (Therape
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
Lower Division
Computer/Statistics/Quantitative Applications
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
CFS 205: Human Development
Natural Science [SQ, SG]
Natural Science [SQ, SG]
BIO 201: Human Anatomy and Physiology

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C] 0-3 hrs

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human Communication or COM 110: Interpersonal Communication or COM 110: Interpersonal Comm
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements
AJS 101: Introduction To Criminal Just
BIO 202: Human Anatomy and Physiology 4 h
PSY 101: Introduction to Psychology 3 hrs
PSY 101: Introduction to Psychology 3 hrs
\begin{tabular}{lcl} 
PSY 266: Abnormal Psychology & 3 hrs & PSY 266 transfers as lower division credit. \\
REC 210: Leisure Delivery Systems & 3 hrs & 3 hrs \\
REC 230: Programming of Recreation Services & 3 hrs & SWUlfills ASU's PRM 203 requirement. 171 will satisfy Historical [H] requirement. \\
SWU 171: Introduction to Social Welfare & \(0-3\) hrs & \begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's \\
associate degree requirements.
\end{tabular}
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Performance and Movement, BA Pathway

\section*{2018-2019}

ASU Major: Performance and Movement, BA | Herberger Institute for Design and the Arts

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] THE 220: Modern Drama \(\square\)

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Performance and Movement BA degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]
\begin{tabular}{l} 
Humanities, Arts, and Design [HU]
\end{tabular}
\begin{tabular}{lll}
3 hrs
\end{tabular}
Humanities, Arts, and Design [HU] recommended to select a course which
satisfies [HU] and awareness area [C, H, or G]
requirements simultaneously.
\begin{tabular}{l}
\begin{tabular}{l} 
Social-Behavioral Science [SB] \\
Social-Behavioral Science [SB]
\end{tabular} \\
\begin{tabular}{llll} 
Social-Behavioral Science [SB] & 3 hrs
\end{tabular} \\
\begin{tabular}{lll} 
It is recommended to select a course which \\
satisfies [SB] and awareness area [C, H, or G] \\
requirements simultaneously.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{l|ll} 
Natural Science [SQ, SG] & & \\
\hline hatural Science [SQ, SG] & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement
\end{tabular} \\
\hline Natural Science [SQ, SG] & 4 hrs & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement
\end{tabular} \\
\hline
\end{tabular}
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{lll}
\begin{tabular}{l} 
Additional Lower Division Requirements \\
THP 112: Acting I
\end{tabular} & 3 hrs & \\
THE 118: Playwriting & 3 hrs & \\
THP 214: Directing Techniques & 3 hrs & \\
THP 217: Intro to Design Scenography & 3 hrs & \(0-13\) hrs
\end{tabular} \begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's \\
associate degree requirements.
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}
Maricopa Community College District
Pharmacology and Toxicology, BS Pathway
\(2018-2019\)

ASU Major: Pharmacology and Toxicology, BS | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs} (-)

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Pharmacology and Toxicology, BS program

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social


Research/Justice and Government

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

\section*{3 hrs}

3 hrs
Social-Behavioral Science [SB]

Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I or
BIO 181XT: General Biology (Majors) I


BIO 182: General Biology (Majors) II

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline BIO 201: Human Anatomy and Physiology I or BIO 201XT: Human Anatomy and Physiology | &  & & \\
\hline BIO 202: Human Anatomy and Physiology II & &  & Students may fulfill this requirement after transfer to ASU. \\
\hline CHM 150: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR &  & & \\
\hline \multicolumn{4}{|l|}{CHM 150AA: General Chemistry I OR} \\
\hline \multicolumn{4}{|l|}{CHM 151: General Chemistry I and CHM 151LL: General Chemistry I Laboratory OR} \\
\hline \multicolumn{4}{|l|}{CHM 151AA: General Chemistry I} \\
\hline CHM 152: General Chemistry II and CHM 152LL: General Chemistry II Laboratory OR &  & & \\
\hline \multicolumn{4}{|l|}{CHM 152AA: General Chemistry II OR} \\
\hline \multicolumn{4}{|l|}{CHM 154: General Chemistry II with Qualitative Analysis and CHM 154LL: General Chemistry II with Qualitative Lab} \\
\hline CHM 235: General Organic Chemistry I and CHM 235LL: General Organic Chemistry I Lab &  & & \\
\hline \begin{tabular}{l}
CHM 236: General Organic Chemistry IIA and \\
CHM 236LL: General Organic Chemistry IIA Laboratory
\end{tabular} &  & & \\
\hline PHY 111: General Physics I or PHY 111AA: General Physics I & \[
4-5 \mathrm{hrs}
\] & & \\
\hline PHY 112: General Physics II & &  & Students may fulfill this requirement after transfer to ASU. \\
\hline Lower Division Elective & & 0-5 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 64

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Philosophy, BA Pathway

\section*{2018-2019}

ASU Major: Philosophy, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] PHI 103: Introduction to Logic


Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Philosophy B.A. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA requirement

Computer/Statistics/Quantitative Applications 3 hrs

Humanities, Arts, and Design [HU]
PHI 101: Introduction to Philosophy or
PHI 102: Introduction to Philosophy or
PHI 105: Introduction to Ethics or
PHI 212: Contemporary Moral Issues
Humanities, Arts, and Design 3 hrs 6

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science
\begin{tabular}{l|ll}
\begin{tabular}{l} 
Natural Science [SQ, SG] \\
Natural Science
\end{tabular} & 4 hrs & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement.
\end{tabular} \\
\hline Natural Science & 4 hrs & \begin{tabular}{l} 
Select at least one SQ within the Natural
\end{tabular} \\
& Science requirement.
\end{tabular}

\footnotetext{
General Education Awareness Areas [C, H, G]
}

\footnotetext{
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
\(\left.\begin{array}{l}\text { Additional Lower Division Requirements } \\ \text { Lower Division Second Language: Requirement satisfied through the } \\ \text { following: Completion of a language course at the intermediate level } \\ \text { (202 or equivalent), including American Sign Language IV. }\end{array} \begin{array}{l}\text { 0-16 hrs }\end{array} \begin{array}{l}\text { Second Language: Select 101, 102, 201, } 202 \text { as } \\ \text { needed to reach 4th semester proficiency. You } \\ \text { may select specific courses from the Course } \\ \text { Equivalency Guide that satisfy these criteria. }\end{array}\right\}\)

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Philosophy, Religion and Society, BA Pathway
}

2018-2019
ASU Major: Philosophy, Religion and Society, BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Philosophy, Religion and Society, B.A. degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement

Lower Division
Computer/Statistics/Quantitative Applications

Humanities, Arts, and Design [HU] PHI 101: Introduction to Philosophy or PHI 102: Introduction to Philosophy
REL 100: World Religions 3 hrs REL 100 also meets Global [G] Awareness
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.
Additional Lower Division Requirements
PHI 103: Introduction to Logic or
PHI 105: Introduction to Ethics
Related Area Courses

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Physics, BA Pathway
2018-2019
\end{abstract}

ASU Major: Physics, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\author{
Special Requirements
}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Physics B.A. degree program.

Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry I \(4-5\) hrs or
MAT 221: Calculus with Analytic Geometry I

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

\section*{3 hrs}

3 hrs
(8)

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science 3 hrs

Natural Science [SQ, SG]
PHY 121: UNIVERSITY PHYSICS I
MECHANICS or
PHY 115: University Physics I

PHY 131: University Physics II: Electricity and Magnetism or
PHY 116: University Physics II

Subject Options
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III(Q)
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
OR
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory OR

CHM 150AA: General Chemistry I or
CHM 151AA: General Chemistry I

PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.
Lower Division Elective 0-18 hrs

If taking PHY 241 at the community college students must also enroll in MAT 276 or 277: Modern Differential Equations AND MAT 225: Elementary Linear Algebra. Students should anticipate transferring to ASU in a fall semester following PHY 241, MAT 276 or MAT 277 and MAT 225.
Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Physics, BS Pathway
2018-2019
\end{abstract}

ASU Major: Physics, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL (i) ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Physics B.S. degree program.
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Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry
or
MAT 221: Calculus with Analytic Geometry I

```
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS or
PHY 115: University Physics I

PHY 131: University Physics II: Electricity and Magnetism or
PHY 116: University Physics II
Subject Options
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III

\section*{3 hrs}
\(\star\)
B


Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Political Science, BA Pathway
\end{abstract}

2018-2019

ASU Major: Political Science, BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarante admission to the Political Science B.A. degree program

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141. College Mathematics or
MAT 142: College Mathematics or
Higher level math course that meets [MA]
requirement.
Computer/Statistics/Quantitative Applications 3 hrs

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design


3 hrs
E


Social-Behavioral Science [SB]

POS 120: World Politics or
POS 140: Comparative Government \(\square\) 3 hrs * ( )

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
POS 210: Political Ideologies 3 hrs
\begin{tabular}{ll} 
Related Area Courses & \begin{tabular}{l}
9 hrs
\end{tabular} \begin{tabular}{l} 
Select 3 courses that transfer to ASU as direct \\
equivalencies or department elective credit \\
(DEC) in the following ASU prefixes: ASB, COM,
\end{tabular} \\
CRJ, ECN, GCU, HST, HIS, POS, PSY, SBS,
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Political Science, BA Pathway
\end{abstract}

2018-2019

ASU Major: Political Science, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A meets major map requirements at ASU, and guarantees admission to the Political Science B.A. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA requirement

Computer/Statistics/Quantitative Applications [CS]


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]


POS 210: Political Ideologies \(\square\)

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
```

4 hrs Select at least one SQ within the Natural
Science requirement.
4 hrs Select at least one SQ within the Natural
Science requirement.

```

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
\begin{tabular}{l|l|l} 
COM 100: Introduction to Human Communication or & \(0-3 \mathrm{hrs}\) & COM 225 may be used to meet the Literacy and \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3 \mathrm{hrs}\) & Complete CRE 101 or equiry ("L") requirement. \\
CRE 101: College Critical Reading & &
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
Additional Lower Division Requirements \\
POS 120: World Politics or POS 140: Comparative Government
\end{tabular} & & \\
\hline Related Area Elective & 0-12 hrs & Choose four Related Area courses that transfer to ASU as direct equivalencies or Departmental Elective credit (DEC) with the following ASU prefixes: AES, AFR, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, JUS, MIS, PHI, PSY, REL, SGS, SOC, TCL, WST. Four courses fulfill the Related Area requirement. This requirement may be met within the AGEC-A. Twelve hours of related field coursework is required for graduation and may be satisfied at the lower division level or completed after transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. \\
\hline POS Elective & 3 hrs & Select one course that transfers to ASU as a direct equivalent or Departmental Elective credit (DEC) in the POS prefix. \\
\hline Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. & 0-16 hrs & Lower division second language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. \\
\hline Lower Division Elective & 0-19 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Political Science, BS Pathway
\end{abstract}

2018-2019

ASU Major: Political Science, BS | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

Special Requirements: Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Political Science B.S. degree program
greater.

Special Requirements
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
Social-Behavioral Science [SB]
POS 110: American National Government
POS 120: World Politics or
POS 140: Comparative Government
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline
\end{tabular}

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
POS 210: Political Ideologies 3 hrs
\begin{tabular}{ll} 
Related Area Courses & \begin{tabular}{l} 
L-9 hrs
\end{tabular} \begin{tabular}{l} 
Lower Division Select two to three courses that \\
transfer to ASU as direct equivalencies or \\
departmental elective credit (DEC) in the \\
following ASU prefixes: ASB, COM, CRJ, ECN,
\end{tabular} \\
GCU, HST, HIS, PSY, POS, SBS, SOC, WST,
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Political Science, BS Pathway
\end{abstract}

2018-2019

ASU Major: Political Science, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarante admission to the Political Science B.S. degree program

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
Computer/Statistics/Quantitative Applications [CS]

\section*{3-5 hrs}
( 3 hrs \%

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
POS 110: American National Government 3 hrs
POS 210: Political Ideologies

Natural Science [SQ, SG
Natural Science [SQ, SG]

Natural Science [SQ, SG]
```

4 hrs Select at least one SQ within the Natural
Science requirement.
4 hrs Select at least one SQ within the Natural
Science requirement.

```

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.


Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Political Science, BS Pathway
\end{abstract}

2018-2019

ASU Major: Political Science, BS | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarante admission to the Political Science B.S. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
Computer/Statistics/Quantitative Applications [CS]

\section*{3-5 hrs}
( 3 hrs \%

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
POS 110: American National Government 3 hrs

POS 210: Political Ideologies

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

\title{
COM 100: Introduction to Human \\ Communication or \\ COM 110: Interpersonal Communication or \\ COM 225: Public Speaking or \\ COM 230: Small Group Communication
}
CRE 101: College Critical Reading \(\quad 0-3\) hrs Complete CRE 101 or equivalent.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline \begin{tabular}{l}
POS 120: World Politics or \\
POS 140: Comparative Government
\end{tabular} & \[
3 \mathrm{hrs}
\] & \\
\hline POS Elective & 6 hrs & Select two courses that transfers to ASU as a direct equivalent or Departmental Elective credit (DEC) in the POS prefix. \\
\hline Related Area Courses & 0-12 hrs & Choose four Related Area courses that transfer to ASU as direct equivalencies or Departmental Elective credit (DEC) with the following ASU prefixes: AES, AFR, AIS, APA, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, JUS, MIS, PHI, PSY, REL, SGS, SOC, TCL, WST. Four courses fulfill the Related Area requirement. This requirement may be met within the AGEC-A. Twelve hours of Related Area requirement is required for graduation and may be satisfied at the lower division level or may be completed after transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. \\
\hline Lower Division Elective & 0-16 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Politics and the Economy, BS Pathway
}

2018-2019

ASU Major: Politics and the Economy, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 212. Brief Calculus or
MAT 213: Brief Calculus

Computer/Statistics/Quantitative Applications [CS]

Humanities, Arts, and Design [HU
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs
-

Social-Behavioral Science [SB]

POS 120: World Politics o
POS 140: Comparative Government \(\square\)
3 hrs © (O)

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

3 hrs-

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Politics and the Economy, BS program

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
ECN 211: Macroeconomic Principles 3 hrs
ECN 212: Microeconomic Principles 3 hrs
\begin{tabular}{lll} 
MAT 217: Mathematical Analysis for Business or & \(3-5\) hrs & \begin{tabular}{l} 
Students considering graduate work in \\
economics should select MAT 230 (5 credits) or \\
MAT 218: Mathematical Analysis for Business
\end{tabular} \\
POS 210: Political Ideologies & 3 hrs & \begin{tabular}{l} 
231 credits) instead of MAT 217/218.
\end{tabular} \\
Lower Division Elective & \(0-13\) hrs & \begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's \\
associate degree requirements.
\end{tabular}
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Psychology, BA Pathway

\section*{2018-2019}
\end{abstract}

ASU Major: Psychology, BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
PSY 290AB: Research Methods or
PSY 290AC: Research Methods

Mathematical Studies [MA, CS]
MAT 172: Finite Mathematics or
MAT 187: Precalculus or
MAT 212: Brief Calculus or
MAT 213: Brief Calculus or
higher level course that meets MA
requirement
PSY 230: Introduction to Statistics 3 hrs
(-

Humanities, Arts, and Design [HU
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology

Social-Behavioral Science
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science &  & Natural Science - Requires two natural science courses in addition to PSY 290AB OR 290AC. Select at least one SQ within the Natural Science requirements. \\
\hline Natural Science &  & Natural Science - Requires two natural science courses in addition to PSY 290AB OR 290AC. Select at least one SQ within the Natural Science requirements. \\
\hline
\end{tabular}

\footnotetext{
General Education Awareness Areas [C, H, G]
}

Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\(0-3\) hrs
Complete CRE 101 or equivalent.

\section*{Additional Lower Division Requirements}

CIS 105: Survey of Computer Information
Systems or
CSC 180: Computer Literacy or
CSC 180AA: Computer Literacy or
CSC 180AB: Computer Literacy
\begin{tabular}{ll} 
Related Area Courses & 9 hrs \\
\begin{tabular}{ll} 
Language and Cultures: Requirement satisfied through the following: \\
Completion of a language course at the intermediate level (202 or \\
equivalent), including American Sign Language IV OR Completion of \\
two sequential semesters of coursework in a current computer \\
language
\end{tabular} & \begin{tabular}{l} 
Lowision Select 3 courses that transfer as \\
direct equivalencies or departmental elective \\
credit (DEC) in the following ASU prefixes: ASB, \\
COM, POS, PSY, SBS, and SOC
\end{tabular} \\
Lower Division Elective & \begin{tabular}{l} 
Lower Division Language - You may satisfy the \\
Language and Cultures requirement by \\
completion of an intermediate language course \\
or the computer language sequence; or, you \\
may satisfy the requirement after transfer to \\
ASU though various upper division course \\
options. If choosing the computer language \\
option to satisfy this requirement, select courses \\
that transfer as direct equivalents to CSE 100 \\
and CSE 205.
\end{tabular} \\
Lower Division Electives should be completed
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Psychology, BA Pathway

\section*{2018-2019}
\end{abstract}

ASU Major: Psychology, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
PSY 290AB: Research Methods or
PSY 290AC: Research Methods

Students must complete two Natural Sciences in addition to PSY 290, at least one of which must carry the SQ designation.
\begin{tabular}{l} 
Mathematical Studies [MA, CS] \\
MAT 187: Precalculus OR \\
MAT 150: College Algebra / Functions and \\
MAT 182: Plane Trigonometry OR \\
MAT 151: College Algebra / Functions and \\
MAT 182: Plane Trigonometry OR \\
\begin{tabular}{l} 
MAT 152: College Algebra / Functions and \\
MAT 182: Plane Trigonometry OR \\
higher level course that meets MA \\
requirement \\
PSY 230: Introduction to Statistics
\end{tabular} \\
\hline
\end{tabular}
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology


Students must complete two Natural Sciences in arry the SO designation.

Natural Science [SQ, SG] carry the SQ designation.

Natural Science [SQ, SG]
Natural Science [SQ, SG]
Social-Behavioral Science

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Psychology B.A. degree program.

Special Requirements: 2.0 G.P.A. in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. If a student has previously attended ASU, but left with a G.P.A. below 2.0, that student is not eligible to pursue this pathway because the student is not admissible to Psychology at the Tempe campus.
Cultural Diversity in the U.S. [C]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\(\begin{array}{l}\text { Additional Lower Division Requirements } \\ \text { Related Area Courses }\end{array} \quad 0-12\) hrs \(\left.\begin{array}{l}\text { Select } 4 \text { courses (12 credit hours) which transfer } \\ \text { as either Direct Equivalency or Departmental } \\ \text { Electives (DEC) to courses in the following ASU } \\ \text { departments: ASB, ASM, BIO, GCU, HPS, PHI, } \\ \text { or SOC. Transfer equivalency is based on the } \\ \text { semester and year the course is taken. May be } \\ \text { met within AGEC-A or electives. } \\ \text { Select a Psychology elective that transfers to }\end{array}\right]\)

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Psychology, BA, BA Pathway
2018-2019
\end{abstract}

ASU Major: Psychology, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Psychology B.A.
greater.

\section*{Special Requirements} degree program.
Mathematical Studies [MA, CS]
MAT 150: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 151: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 152: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 187: Precalculus
CIS 105: Survey of Computer Information
Systems
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology
Social-Behavioral Science [SB]

\section*{Natural Science [SQ, SG]}

PSY 290AB: Research Methods or 4 hrs PSY 290AB or PSY 290AC may be applied as
PSY 290AC: Research Methods

Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Psychology, BS Pathway
2018-2019
\end{abstract}

ASU Major: Psychology, BS | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
PSY 290AB: Research Methods or
PSY 290AC: Research Methods

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Psychology B.S. degree program.
Mathematical Studies [MA, CS]
MAT 187: Precalculus OR
MAT 150: College Algebra / Functions and
MAT 182: Plane Trigonometry OR
MAT 151: College Algebra / Functions and
MAT 182: Plane Trigonometry OR
MAT 152: College Algebra / Functions and
MAT 182: Plane Trigonometry OR
higher level course that meets MA
requirement
PSY 230: Introduction to Statistics
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design
\begin{tabular}{|c|c|c|}
\hline Natural Science & 4 hrs & ASU Psychology BS requires four natural science courses in addition to PSY 290AB OR PSY 290AC: one life science course (from biology, microbiology, or zoology); one physical science course (from astronomy, chemistry, geology, or physics); and any two additional courses from the AGEC Natural Sciences list. Complete at least three of the four required natural sciences courses prior to transfer to ASU. Select at least one SQ within the Natural Science requirement. \\
\hline Natural Science & 4 hrs & ASU Psychology BS requires four natural science courses in addition to PSY 290AB OR PSY 290AC: one life science course (from biology, microbiology, or zoology); one physical science course (from astronomy, chemistry, geology, or physics); and any two additional courses from the AGEC Natural Sciences list. Complete at least three of the four required natural sciences courses prior to transfer to ASU. Select at least one SQ within the Natural Science requirement. \\
\hline
\end{tabular}
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
CIS 105: Survey of Computer Information
Systems or
CSC 180: Computer Literacy or
CSC 180AA: Computer Literacy or
CSC 180AB: Computer Literacy
Natural Science \begin{tabular}{l} 
Natural Science
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Psychology, BS Pathway

\section*{2018-2019}
\end{abstract}

ASU Major: Psychology, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
PSY 290AB: Research Methods or
PSY 290AC: Research Methods
Mathematical Studies [MA, CS]
MAT 220: Calculus with Analytic Geometry I
or
MAT 221: Calculus with Analytic Geometry I
or
higher level course that meets MA
requirement
PSY 230: Introduction to Statistics
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology

Social-Behavioral Science
\begin{tabular}{l|l|l}
\begin{tabular}{lll} 
Natural Science [SQ, SG] \\
Natural Science [SQ, SG]
\end{tabular} & 4 hrs & \begin{tabular}{l} 
Students must complete two Natural Sciences in \\
addition to PSY 290, at least one of which must \\
carry the SQ designation.
\end{tabular} \\
Natural Science [SQ, SG] & 4 hrs & \begin{tabular}{l} 
Students must complete two Natural Sciences in \\
addition to PSY 290, at least one of which must \\
carry the SQ designation.
\end{tabular} \\
\hline
\end{tabular}
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
3 hrs
* 3 hrs図 addition to PSY 290, at least one of which must carry the SQ designation.

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Psychology B.S. degree program.

Special Requirements: 2.0 G.P.A. in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. If a student has previously attended ASU, but left with a G.P.A. below 2.0, that student is not eligible to pursue this pathway because the student is not admissible to Psychology at the Tempe campus.

COM 100: Introduction to Human
Communication or

COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
\begin{tabular}{ll} 
Additional Lower Division Requirements \\
Psychology Elective & 3 hrs \\
Related Area Courses & \begin{tabular}{l} 
Select one course that transfers to ASU as a \\
direct equivalent or Departmental Elective credit \\
(DEC) with the PSY prefix, excluding PSY 270.
\end{tabular} \\
Lower Division Elective & \begin{tabular}{l} 
Select 4 courses (12 credit hours) that transfer \\
as either Direct Equivalency or Departmental \\
Electives (DEC) to courses in the follow ASU \\
departments: ASB, ASM, BIO, GCU, HPS, PHI,
\end{tabular} \\
SOC. Transfer equivalency is based on the \\
semester and year the course is taken. May be \\
met within AGEC-A or electives.
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Psychology, BS, BS Pathway
2018-2019
\end{abstract}

ASU Major: Psychology, BS | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Psychology B.S.
greater.

\section*{Special Requirements} degree program.
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology
Social-Behavioral Science [SB]

\section*{Natural Science [SQ, SG]}

PSY 290AB: Research Methods or 4 hrs PSY 290AB or PSY 290AC may be applied as
PSY 290AC: Research Methods

Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
Mathematical Studies [MA, CS]
MAT 150: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 151: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 152: College Algebra/Functions and
MAT 182: Plane Trigonometry OR
MAT 187: Precalculus
CIS 105: Survey of Computer Information
Systems

Humanities, Arts, and Design [HU]
Huma

Humanities, Arts, and Design [HU]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 22: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{l} 
Additional Lower Division Requirements \\
PSY 230: Introduction to Statistics
\end{tabular}
\begin{tabular}{ll} 
Related Area Courses & \(0-3\) hrs \\
Complete CRE 101 or equivalent.
\end{tabular}
Lower Division Elective

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Psychology (Forensic Psychology), BA Pathway
2018-2019
\end{abstract}

ASU Major: Psychology (Forensic Psychology), BA | New College of Interdisciplinary Arts and Sciences

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
PSY 290AB: Research Methods or
PSY 290AC: Research Methods

MAT 172: Finite Mathematics or
MAT 187: Precalculus or
MAT 212: Brief Calculus or
MAT 213: Brief Calculus or
higher level course that meets MA
requirement
CIS 105: Survey of Computer Information Systems or
CSC 180: Computer Literacy or
CSC 180AA: Computer Literacy or
CSC 180AB: Computer Literacy

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

\section*{3 hrs}
(6)

3 hrs
(

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology

AJS 225: Criminology
-

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Psychology (Forensic Psychology) B.A. degree program.

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G]

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline Related Coursework Elective & 9 hrs & Select courses that transfers to ASU with the following prefixes: ASM, COM, POS, PSY, or SOC. \\
\hline \multicolumn{3}{|l|}{PSY 230: Introduction to Statistics 3 hrs} \\
\hline Languages and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language. & 0-16 hrs & Language and Cultures: may be completed after transfer. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to ASU's ACO 101 (CSC 110, CSC 110AA, or CSC 110AB) and ACO 102 (CSC 200, CSC 200AA, CSC 200AB). \\
\hline Lower Division Elective & 0-12 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Psychology (Forensic Psychology), BS Pathway
2018-2019
\end{abstract}

ASU Major: Psychology (Forensic Psychology), BS | New College of Interdisciplinary Arts and Sciences

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
PSY 290AB: Research Methods or
PSY 290AC: Research Methods
Mathematical Studies [MA, CS]
MAT 187: Precalculus OR
MAT 150: College Algebra and
MAT 182: Functions OR
MAT 151: College Algebra and
MAT 182: Functions OR
MAT 152: College Algebra or
MAT 182: Functions or
higher level course that meets MA
requirement
CIS 105: Survey of Computer Information
Systems or
CSC 180: Computer Literacy or
CSC 180AA: Computer Literacy or
CSC 180AB: Computer Literacy

Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]


\section*{3 hrs}

3 hrs
\%

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Psychology (Forensic Psychology) B.S. degree program.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{l} 
Additional Lower Division Requirements \\
Life Science Lab Course
\end{tabular}
\begin{tabular}{ll} 
Physical Science Lab Course & 4 hrs
\end{tabular} \begin{tabular}{l} 
Select a course that transfers to ASU with one of \\
the following prefixes: BCH, BIO, FOR, LSC, or \\
MIC.
\end{tabular}
PSY 230: Introduction to Statistics
Select a course that transfers to ASU with one of
the following prefixes: AST, CHM, ENV, GLG, or
PHY.

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Public Health, BS Pathway
\end{abstract}

\section*{2018-2019}

ASU Major: Public Health, BS | College of Health Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}

Mathematical Studies [MA, CS]
MAT 150: College Algebra/Functions or
MAT 151. Colle Algebrans or
MAT 151AA: College Algebra or
MAT 151AB: Functions I or
MAT 151AC: College Algebra or
MAT 151AD: Functions II or
College Algebra or
MAT 152: College Algebra/Functions
Computer/Statistics/Quantitative Applications \(\qquad\) 3 hrs

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]


\(\square\)

Social-Behavioral Science [SB] ASB 100: Introduction to Global Health

PSY 101: Introduction to Psychology \(\square\) 3 hrs
Natural Science [SQ, SG]
BIO 181: General Biology (Majors) I
CHM 130: Fundamental Chemistry and
CHM 130LL: Fundamental Chemistry
Laboratory or
CHM 130AA: Fundamental Chemistry with
Lab

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Health B.S. degree program.

The Public Health, BS degree may take more than 4 semesters after transfer to complete. Students may want to consider taking summer school or taking 18 credits in one semester if wanting to complete the degree in 2 years after transferring.

MCCCD Additional Requirements
COM 100: Introduction to Human \(0-3\) hrs
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

CRE 101: College Critical Reading
\(0-3\) hrs
Complete CRE 101 or equivalent.

Additional Lower Division Requirements BIO 182: General Biology (Majors) II

ECN 211: Macroeconomic Principles

HES 210: Cultural Aspects of Health and Illness

Lower Division Elective

10-15 hrs
ower Division Electives should be completed once all other requirements have been met and only if needed to complete community college s associate degree requirements. PBH 100 and EXW 102 must be taken once students transfer o ASU, as there are no equivalent courses offered at the Maricopa Community Colleges.

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Public Service and Public Policy, BS Pathway
\end{abstract}

\section*{2018-2019}

ASU Major: Public Service and Public Policy, BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] ENG 216: PERSUASIVE WRITING ON PUBLIC

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Policy B.S. program.
greater.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA requirement

MAT 206: Elements of Statistics


Humanities, Arts, and Design [HU]

\section*{Humanities, Arts, and Design}

Humanities, Arts, and Design

\section*{3 hrs}

3 hrs
E

Social-Behavioral Science [SB] POS 110: American National Governme

SOC 101: Introduction to Sociology

\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Sciences requirement. \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Sciences requirement. \\
\hline
\end{tabular}

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}

\footnotetext{
佂
}
\begin{tabular}{|c|c|c|c|}
\hline COM 225: Public Speaking & 3 hrs & & \\
\hline CRE 101: College Critical Reading & & 0-3 hrs & Complete CRE 101 or equivalent. \\
\hline Additional Lower Division Requirements PAD 100: 21st Century Public Policy and Service & 3 hrs & & \\
\hline PAD 200: Public Affairs Economics & 3 hrs & & \\
\hline Related Area Courses & & 3 hrs & Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Course cannot come from PAD 100, PAD 201, POS 110, OR SOC 101. \\
\hline COPP Interdisciplinary Requirement & & 6 hrs & Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. \\
\hline Lower Division Elective & & 0-7 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Track/Groups}

COPP Interdisciplinary Requirement
COPP Interdisciplinary Requirement
SWU 171: Introduction to Social Welfare

\section*{COPP Interdisciplinary Requirement}

AJS 101: Introduction To Criminal Justice or
AJS 212: Juvenile Justice Procedures or
AJS 225: Criminology or COPP Interdisciplinary Requirement
AJS 270: Community Relations
HRM 160: Tourism Principles And Practices or
REC 120: Leisure and the Quality of Life

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Public Service and Public Policy (American Indian Studies), BS Pathway
}

2018-2019

ASU Major: Public Service and Public Policy (American Indian Studies), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
ENG 216: PERSUASIVE WRITING ON PUBLIC 3 hrs If ENG 216 is not offered, COM 225 may be

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Policy (American Indian Studies) B.S. program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA requirement

MAT 206: Elements of Statistics
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]

SOC 101: Introduction to Sociology 3 hrs
Natural Science [SQ, SG]
\begin{tabular}{lll} 
Natural Science
\end{tabular}

Natural Science

\footnotetext{
General Education Awareness Areas [C, H, G]
}

Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
COM 225: Public Speaking
CRE 101: College Critical Reading


Total Required Credits: 60

\section*{Track/Groups}

COPP Interdisciplinary Requirement
COPP Interdisciplinary Requirement
AJS 101: Introduction To Criminal Just or
AJS 212: Juvenile Justice Procedures or
AJS 225: Criminology or
AJS 109: Substantive Criminal Law or
AJS 270: Community Relations

REC 120: Leisure and the Quality of Life or
HRM 160: Tourism Principles And Practices

SWU 171: Introduction to Social Welfare

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Public Service and Public Policy (Business), BS Pathway
}

\section*{2018-2019}

ASU Major: Public Service and Public Policy (Business), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL © (o)
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] ENG 216: PERSUASIVE WRITING ON PUBLIC ISSUES

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Policy (Business) B.S. program.
greater.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA requirement

MAT 206: Elements of Statistics

\section*{3 hrs}
\(\square\)

Humanities, Arts, and Design [HU]

\section*{Humanities, Arts, and Design}

Humanities, Arts, and Design

Social-Behavioral Science [SB] POS 110: American National Governmen

SOC 101: Introduction to Sociology


Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
-

\section*{3 hrs}

3 hrs

E
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COM 225: Public Speaking
3 hrs (Q)
CRE 101: College Critical Reading

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Additional Lower Division Requirements
PAD 100: 21st Century Public Policy and
Service
PAD 200: Public Affairs Economics
3 hrs

Public Programs Elective Requirement: complete a course that 3 hrs Public Programs Elective Requirement: Cannot transfers to ASU with the following prefix CRJ, HST, PAF, POS, be met with MCCCD's PAD 100 (ASU PAF 100), SOC, SOS, SWU according to the CEG for the term taken. PAD 200 (ASU PAF 201) POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101)

COPP Interdisciplinary Requirement
6 hrs Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours.
Lower Division Elective
0-7 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Track/Groups}

COPP Interdisciplinary Requirement

\section*{COPP Interdisciplinary Requirement}

AJS 101: Introduction To Criminal Just or
AJS 212: Juvenile Justice Procedures or AJS 225: Criminology or
AJS 109: Substantive Criminal Law or
AJS 270: Community Relations
REC 120: Leisure and the Quality of Life or
HRM 160: Tourism Principles And Practice
COPP Interdisciplinary Requirement

\footnotetext{
SWU 171: Introduction to Social Welfare
}

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Public Service and Public Policy (Criminology), BS Pathway
}

\section*{2018-2019}

ASU Major: Public Service and Public Policy (Criminology), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] ENG 216: PERSUASIVE WRITING ON PUBLIC

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Policy (Criminology) B.S. program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA requirement.

MAT 206: Elements of Statistics

Humanities, Arts, and Design [HU]

\section*{Humanities, Arts, and Design}

Humanities, Arts, and Design 3 hrs

Social-Behavioral Science [SB] POS 110: American National Government

SOC 101: Introduction to Sociology


Natural Science [SQ, SG
Natural Science
```

4 hrs Select at least one SQ.
4 hrs Select at least one SQ.

```


\section*{3 hrs}

3 hrs
COM 225: Public Speaking
CRE 101: College Critical Reading
\begin{tabular}{l} 
Additional Lower Division Requirements \\
PAD 100: 21 st Century Public Policy and \\
Service
\end{tabular}
\begin{tabular}{l} 
PAD 200: Public Affairs Economics
\end{tabular}
\begin{tabular}{l} 
AJS 101: Introduction To Criminal Just
\end{tabular}
\begin{tabular}{l} 
AJS 113: Criminal Justice Crime Contro
\end{tabular}
\begin{tabular}{l} 
Public Programs Elective Requirement: complete a course that \\
transfers to ASU with the following prefix CRJ, HST, PAF, POS, \\
SOC, SOS, SWU according to the CEG for the term taken.
\end{tabular}
COPP Interdisciplinary Requirement

Total Required Credits: 60

\section*{Track/Groups}

COPP Interdisciplinary Requirement

\section*{COPP Interdisciplinary Requirement}

AJS 212: Juvenile Justice Procedures or

\footnotetext{
SWU 171: Introduction to Social Welfare
}

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Public Service and Public Policy (Emergency Management and Homeland Security), BS Pathway
}

2018-2019

ASU Major: Public Service and Public Policy (Emergency Management and Homeland Security), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
ENG 216: PERSUASIVE WRITING ON PUBLIC

COM 225: Public Speaking

\section*{3 hrs}
\(\square\)

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Policy B.S. program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA requirement

MAT 206: Elements of Statistics


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
POS 110: American National Government
SOC 101: Introduction to Sociology
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

Select at least one [SQ] within the Natural
Science requirement.
```

4 hrs

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\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline PAD 100: 21st Century Public Policy and Service & 3 hrs & & \\
\hline PAD 200: Public Affairs Economics & 3 hrs & & \\
\hline AJS 101: Introduction To Criminal Just & 3 hrs & & \\
\hline AJS 113: Criminal Justice Crime Contro & 3 hrs & & \\
\hline Related Area Course & & 3 hrs & Complete a course that transfers to ASU as one of the following prefixes CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Course cannot come from PAD 100, PAD 200, POS 110, OR SOC 101. \\
\hline COPP Interdisciplinary Requirement & & 6 hrs & Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. \\
\hline Lower Division Elective & & 0-1 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Track/Groups}

COPP Interdisciplinary Requirement

\section*{COPP Interdisciplinary Requirement Track 1}

AJS 212: Juvenile Justice Procedures OR
\begin{tabular}{ll} 
AJS 225: Criminology OR & COPP Interdisciplinary Requirement \\
AJS 109: Substantive Criminal Law OR & \\
AJS 270: Community Relations & COPP Interdisciplinary Requirement \\
SWU 171: Introduction to Social Welfare & \\
REC 120: Leisure and the Quality of Life or & \\
HRM 160: Tourism Principles And Practices &
\end{tabular}

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Public Service and Public Policy (Health Policy), BS Pathway
}

\section*{2018-2019}

ASU Major: Public Service and Public Policy (Health Policy), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] ENG 216: PERSUASIVE WRITING ON PUBLIC

\section*{Mathematical Studies [MA, CS]}

MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA requirement

MAT 206: Elements of Statistics

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Policy B.S. program.
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB] POS 110: American National Government

SOC 101: Introduction to Sociology


Natural Science [SQ, SG]
\begin{tabular}{lll} 
Natural Science & 4 hrs & Natural Sciences: Select at least one SQ. \\
Natural Science & 4 hrs & Natural Sciences: Select at least one SQ.
\end{tabular}

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}
COM 225: Public Speaking
CRE 101: College Critical Reading
\begin{tabular}{l} 
Additional Lower Division Requirements \\
PAD 100: 21st Century Public Policy and \\
Service
\end{tabular}
\begin{tabular}{lll} 
PAD 200: Public Affairs Economics & 3 hrs \\
Related Area Course & 3 hrs & 3 hrs
\end{tabular} \begin{tabular}{l} 
Complete a course that transfers to ASU with \\
the following prefix CRJ, HST, PAF, POS, SOC,
\end{tabular}
COPP Interdisciplinary Requirement \begin{tabular}{l} 
SOS, SWU according to the CEG for the term \\
taken. Cannot be met with MCCCD's PAD 100, \\
PAD 200, POS 110, or SOC 101
\end{tabular}

Total Required Credits: 60

\section*{Track/Groups}

COPP Interdisciplinary Requirement

\section*{COPP Interdisciplinary Requirement}
AJS 101: Introduction To Criminal Just or
AJ 2 12: Juvenie Justice Procedures or
AJS 225: Criminology or
AJS 109: Substantive Criminal Law
REC 120: Leisure and the Quality of Life or
HRM 160: Tourism Principles And Practices

\footnotetext{
SWU 171: Introduction to Social Welfare
}

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Public Service and Public Policy (Law and Policy), BS Pathway
}

\section*{2018-2019}

ASU Major: Public Service and Public Policy (Law and Policy), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] ENG 216: PERSUASIVE WRITING ON PUBLIC

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Public Policy (Law and Policy) B.S. program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA requirement.

MAT 206: Elements of Statistics

\section*{3-5 hrs}

\section*{3 hrs}

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]

SOC 101: Introduction to Sociology 3 hrs
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}
COM 225: Public Speaking
CRE 101: College Critical Reading
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline AJS 101: Introduction To Criminal Just & 3 hrs & & \\
\hline AJS 113: Criminal Justice Crime Contro & 3 hrs & & \\
\hline PAD 100: 21st Century Public Policy and Service & 3 hrs & & \\
\hline PAD 200: Public Affairs Economics & 3 hrs & & \\
\hline Related Area Course & & 3 hrs & Complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Course cannot come from PAD 100, PAD 201, POS 110, OR SOC 101. \\
\hline COPP Interdisciplinary Requirement & & 6 hrs & Select one course (not AJS 101) from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. \\
\hline Lower Division Elective & & 0-7 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 63

\section*{Track/Groups}

COPP Interdisciplinary Requirement

\section*{COPP Interdisciplinary Requirement}

AJS 212: Juvenile Justice Procedures or
AJS 225: Criminology or
AJS 109: Substantive Criminal Law or COPP Interdisciplinary Requirement
AJS 270: Community Relations
AJS 270: Community Relations
REC 120: Leisure and the Quality of Life or
HRM 160: Tourism Principles And Practices
COPP Interdisciplinary Requirement
SWU 171: Introduction to Social Welfare

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Public Service and Public Policy (Nonprofit Leadership and Management), BS Pathway
}

2018-2019

ASU Major: Public Service and Public Policy (Nonprofit Leadership and Management), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101. First Yosition [FYC]
ENG 107: First-Year Composition for ESL 3 hrs

ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL ©

Literacy and Critical Inquiry [L]
ENG 216: PERSUASIVE WRITING ON PUBLIC

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Policy (Nonprofit Leadership and Management) B.S. program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or MAT 142: College Mathematics or
Higher level course that meets MA Higher level
requirement.

MAT 206: Elements of Statistics \(\square\)
3 hrs
\(\square\)
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
POS 110: American National Government
\begin{tabular}{l|ll} 
Natural Science [SQ, SG] & \\
Natural Science & 4 hrs & Select at least one SQ. \\
& & \\
Natural Science & 4 hrs & Select at least one SQ.
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
COM 225: Public Speaking
CRE 101: College Critical Reading
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline PAD 100: 21st Century Public Policy and 3 hrs & & \\
\hline \multicolumn{3}{|l|}{Service} \\
\hline PAD 200: Public Affairs Economics 3 hrs & & \\
\hline REC 120: Leisure and the Quality of Life 3 hrs & & \\
\hline Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. & 3 hrs & Public Programs Electives: Cannot be met with MCCCD's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101). \\
\hline COPP Interdisciplinary Requirement & 3 hrs & Select one course from College of Public Programs Interdisciplinary Requirement Tracks, for a total of 3 credit hours. \\
\hline Lower Division Elective & 0-7 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Track/Groups}

COPP Interdisciplinary Requirement

\section*{COPP Interdisciplinary Requirement}
AJS 101: Introduction To Criminal Just or
AJS 212: Juvenile Justice Procedures or
AJS 225: Criminology or
AJS 109: Substantive Criminal Law or
AJS 270: Community Relations
HRM 160: Tourism Principles And Practices

SWU 171: Introduction to Social Welfare

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Public Service and Public Policy (Parks and Recreation Management), BS Pathway}

\section*{2018-2019}

ASU Major: Public Service and Public Policy (Parks and Recreation Management), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101. First Yosition [FYC]
ENG 107: First-Year Composition for ESL 3 hrs

ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL ©

Literacy and Critical Inquiry [L]
COM 225: Public Speaking
3 hrs

ENG 216: PERSUASIVE WRITING ON PUBLIC

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or Higher level course that meets MA requirement.

MAT 206: Elements of Statistics

\section*{3-5 hrs}
\%

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Policy (Parks \& Recreation Management) B.S. program.

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]

SOC 101: Introduction to Sociology

\begin{tabular}{l|ll} 
Natural Science [SQ, SG] & \\
Natural Science & 4 hrs & Natural Sciences: Select at least one SQ. \\
Natural Science & 4 hrs & Natural Sciences: Select at least one SQ.
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
\begin{tabular}{ll}
\begin{tabular}{l} 
Additional Lower Division Requirements \\
PAD 100: 21st Century Public Policy and
\end{tabular} & 3 hrs \\
Service \\
PAD 200: Public Affairs Economics & 3 hrs \\
REC 120: Leisure and the Quality of Life & 3 hrs
\end{tabular}

Public Programs Elective Requirement: complete a course that 3 hrs Public Programs Electives: Cannot be met with transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken.

COPP Interdisciplinary Requirement
3 hrs Select one course from College of Public Programs Interdisciplinary Requirement Tracks, or a total of 3 credit hours. Track titles are ocated in the comments section.
Lower Division Elective associate degree requirements.

Total Required Credits: 60

\section*{Track/Groups}

COPP Interdisciplinary Requirement

\section*{COPP Interdisciplinary Requirement}
\begin{tabular}{l} 
AJS 101: Introduction To Criminal Justice or \\
AJS 212: Juvenile Justice Procedures or \\
AJS 225: Criminology or \\
AJS 109: Substantive Criminal Law or \\
AJS 270: Community Relations \\
HRM 160: Tourism Principles And Practices \\
\multicolumn{2}{l}{ Interdisciplinary Requirement } & \\
\hline
\end{tabular}

SWU 171: Introduction to Social Welfare Interdisciplinary Track 3

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Public Service and Public Policy (Science and Technology Policy), BS Pathway \\ 2018-2019}

ASU Major: Public Service and Public Policy (Science and Technology Policy), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101. First Yosition [FYC]
ENG 107: First-Year Composition or

ENG 108: First-Year Composition for ESL


Literacy and Critical Inquiry [L]
ENG 216: PERSUASIVE WRITING ON PUBLIC

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Policy (Science \& Technology Policy) B.S. program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA Higher level
requirement

MAT 206: Elements of Statistics \(\square\)3 hrs
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
POS 110: American National Government
\begin{tabular}{l|ll}
\begin{tabular}{l} 
Natural Science [SQ, SG] \\
Natural Science
\end{tabular} & 4 hrs & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement.
\end{tabular} \\
\hline Natural Science & 4 hrs & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement.
\end{tabular} \\
\hline
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
```

COM 225: Public Speaking
3 hrs
(D)
CRE 101: College Critical Reading

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Additional Lower Division Requirements
PAD 100: 21st Century Public Policy and
Service
PAD 200: Public Affairs Economics
3 hrs

Public Programs Elective Requirement: complete a course that 3 hrs Public Programs Electives: Cannot be met with transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101)
COPP Interdisciplinary Requirement
Select one course from two different College of Public Programs Interdisciplinary Requiremen Tracks, for a total of 6 credit hours. Track titles are located in the comments section
Lower Division Elective
ower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Track/Groups}

COPP Interdisciplinary Requirement
\begin{tabular}{l} 
COPP Interdisciplinary Requirement \\
AJS 101: Introduction To Criminal Justice or \\
AJS 212: Juvenile Justice Procedures or \\
AJS 225: Criminology or \\
AJS 109: Substantive Criminal Law or \\
AJS 270: Community Relations \\
SWU 171: Introduction to Social Welfare \\
Interdisciplinary Requirement \\
COPP Interdisciplinary Requirement \\
\hline REC 120: Leisure and the Quality of Life or \\
HRM 160: Tourism Principles And Practices
\end{tabular}

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Public Service and Public Policy (Social Services Delivery), BS Pathway
}

\section*{2018-2019}

ASU Major: Public Service and Public Policy (Social Services Delivery), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] ENG 216: PERSUASIVE WRITING ON PUBLIC ISSUES

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Policy B.S. program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
MAT 206: Elements of Statistics

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs
Social-Behavioral Science [SB]
POS 110: American National Government
SOC 101: Introduction to Sociology
Natural Science [SQ, SG]
Natural Science [SQ, SG]
Natural Science [SQ, SG]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{General Education Awareness Areas [C, H, G]} \\
\hline Cultural Diversity in the U.S. [C] & 0 hrs & Requirement met by SWU 292 \\
\hline Historical or Global Awareness [H] or [G] & 0 hrs & Requirement met by SWU 171. \\
\hline
\end{tabular}
\begin{tabular}{l|ll} 
COM 100: Introduction to Human Communication or & \(0-3\) hrs & Met by COM 225 if selected for Literacy and \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or & & \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent.
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline PAD 100: 21st Century Public Policy and Service & 3 hrs & & \\
\hline PAD 200: Public Affairs Economics & 3 hrs & & \\
\hline SWU 171: Introduction to Social Welfare & & 3 hrs & This course simultaneously fulfills 3 credits of the COPP Interdisciplinary Requirement. \\
\hline SWU 291: Social Service Delivery Systems & 3 hrs & & \\
\hline SWU 292: Effective Helping In A Diverse World & 3 hrs & & \\
\hline COPP Interdisciplinary Requirement & & 3 hrs & Select one course from College of Public Programs Interdisciplinary Requirement Tracks for a total of 3 credit hours in addition to SWU 171. \\
\hline Related Area Course & & 3 hrs & Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. Course cannot come from PAD 100, PAD 201, POS 110, OR SOC 101. \\
\hline Lower Division Elective & & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Track/Groups}

COPP Interdisciplinary Requirement
COPP Interdisciplinary Requirement
AJS 101: Introduction To Criminal Just or
AJS 212: Juvenile Justice Procedures or
AJS 225: Criminology or
AJS 109: Substantive Criminal Law COPP Interdisciplinary Requirement

REC 120: Leisure and the Quality of Life or
HRM 160: Tourism Principles And Practices

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Public Service and Public Policy (Sustainability), BS Pathway
}

\section*{2018-2019}

ASU Major: Public Service and Public Policy (Sustainability), BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
ENG 216: PERSUASIVE WRITING ON PUBLIC 3 hrs If ENG 216 is not offered, COM 225 may be

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service \& Policy (Sustainability) B.S. program.
greater.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets the MA requirement.

MAT 206: Elements of Statistics
```

    3 hrs
    ```
        ( 0

Humanities, Arts, and Design [HU]

\section*{Humanities, Arts, and Design}

Humanities, Arts, and Design

Social-Behavioral Science [SB] POS 110: American National Governmen

SOC 101: Introduction to Sociology


Natural Science [SQ, SG
\begin{tabular}{|c|c|c|}
\hline Natural Science & 4 hrs & Choose at least one SQ within the Natural Sciences Requirement. \\
\hline Natural Science & 4 hrs & Choose at least one SQ within the Natural Sciences Requirement. \\
\hline
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
COM 225: Public Speaking
CRE 101: College Critical Reading
\begin{tabular}{l} 
Additional Lower Division Requirements \\
PAD 100: 21 st Century Public Policy and \\
Service
\end{tabular}
\begin{tabular}{lll} 
PAD 200: Public Affairs Economics & 3 hrs
\end{tabular}
\begin{tabular}{lll} 
SUS 110: Sustainable World
\end{tabular}
\begin{tabular}{lll} 
SSH 111: Sustainable Cities & 3 hrs
\end{tabular}
Related Area Elective

Total Required Credits: 64

\section*{Track/Groups}

COPP Interdisciplinary Requirement
\begin{tabular}{l}
\multicolumn{3}{c|}{ COPP Interdisciplinary Requirement } \\
AJS 101: Introduction To Criminal Justice or \\
AJS 212: Juvenile Justice Procedures or \\
AJS 225: Criminology or \\
AJS 109: Substantive Criminal Law or \\
AJS 270: Community Relations \\
HRM 160: Tourism Principles And Practices \\
Interdisciplinary Track 1 Requirement \\
\hline COPP Interdisciplinary Requirement \\
\hline SWU 171: Introduction to Social Welfare
\end{tabular}

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Religious Studies (Religion, Culture and Public Life), BA Pathway \\ \section*{2018-2019}
}

ASU Major: Religious Studies (Religion, Culture and Public Life), BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher course that meets MA requirements.
Computer/Statistics/Quantitative Applications

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

May select a course that transfers as a departmental elective (DEC) or direct equivalency within the REL prefix. departmental elective (DEC) or direct equivalency within the REL prefix.

May select Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, ARS, ASB, GCU, HST, JUS, PHI, SGS, SOC, or WST. either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, ARS, ASB GCU, HST JUS, PHI, SGS, SOC or WST


General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
COM 100: Introduction to Human \(0-3\) hrs
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\(0-3\) hrs
Complete CRE 101 or equivalent

Additional Lower Division Requirements
\(\left.\begin{array}{ll}\text { Related Area Courses } & 0-6 \text { hrs }\end{array} \begin{array}{l}\text { Select up to two Related Area courses that } \\ \text { transfer as either Department elective credit } \\ \text { (DEC) or direct equivalency to a course in the } \\ \text { following ASU prefixes: AFR, AIS, AMS, APA, }\end{array}\right]\)

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Religious Studies (Religion, Politics and Global Affairs), BA Pathway \\ 2018-2019}

ASU Major: Religious Studies (Religion, Politics and Global Affairs), BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher course that meets MA requirements.
Computer/Statistics/Quantitative Applications


3 hrs
\(\square\)

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]


May select a course that transfers as a departmental elective (DEC) or direct equivalency within the REL prefix.

May select a course that transfers as a departmental elective (DEC) or direct equivalency within the REL prefix.

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

May select Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, ARS, ASB, GCU, HST, JUS, PHI, SGS, SOC, or WST. either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: AFR, AIS, AMS, APA, ARS, ASB GCU, HST, JUS, PHI, SGS, SOC, or WST


General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

MCCCD Additional Requirements
COM 100: Introduction to Human \(0-3\) hrs
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\(0-3\) hrs
Complete CRE 101 or equivalent

Additional Lower Division Requirements
\(\left.\begin{array}{ll}\text { Related Area Courses } & 0-6 \text { hrs }\end{array} \begin{array}{l}\text { Select up to two Related Area courses that } \\ \text { transfer as either Department elective credit } \\ \text { (DEC) or direct equivalency to a course in the } \\ \text { following ASU prefixes: AFR, AIS, AMS, APA, }\end{array}\right]\)

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Secondary Education (Chemistry), BAE Pathway
2018-2019
\end{abstract}

ASU Major: Secondary Education (Chemistry), BAE | Mary Lou Fulton Teachers College

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry

Mathematical Studies [MA]
MAT 220: Calculus with Analytic Geometry
or
MAT 221: Calculus with Analytic Geometry I

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design


3

Social-Behavioral Science [SB]
EDU 222: Intro to EXCEPTIONAL LEARNER 3 hrs

GCU 113: United States and Arizona Social Studies or POS 113: United States and Arizona Social Studies or HIS 103: United States History to 1865

3 hrs HIS 103, GCU 113, and POS 113 meet US
\% Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Chemistry) B.A.E. degree program.

Special Requirements: 2.5 GPA in Chemistry concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program iTeachAZ Professional Teacher which may impact your ability to
seamlessly progress through the uppe seamlessly progress through the uppe
division course work. We recommend division course work. We recomm you speak to a Mary Lou Fulton
Teachers College advisor to discus these requirements further.
greater.

Natural Science [SQ, SG]
CHM 150: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
or
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory
\(\stackrel{\text { or }}{ }\)
CHM 151AA: General Chemistry I
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II Laboratory OR

CHM 152AA: General Chemistry II
PHY 101: Introduction to Physics or
PHY 101AA: Introduction to Physics
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline CHM 235: General Organic Chemistry I or CHM 235LL: General Organic Chemistry I L & 4 hrs & & \\
\hline CHM 236: General Organic Chemistry IIA or CHM 236LL: General Organic Chemistry IIA &  & & \\
\hline \begin{tabular}{l}
CIS 105: Survey of Computer Information Systems or \\
BPC 110: Computer Usage \& Applications
\end{tabular} &  & & \\
\hline EDU 230: CULTURAL DIVERSITY IN EDUCATION & 3 hrs & & \\
\hline POS 221: Arizona Constitution & & 0-1 hrs & POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB]. \\
\hline Lower Division Elective & & 0-8 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Secondary Education (English), BAE Pathway
2018-2019
\end{abstract}

ASU Major: Secondary Education (English), BAE | Mary Lou Fulton Teachers College

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
ENG 200: READING \& WRITING ABOUT 3 hrs
LITERATURE

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement

CSC 180: Computer Literacy or
CIS 105: Survey of Computer Information Systems or
BPC 110: Computer Usage \& Applications or
CSC 180AA: Computer Literacy or
CSC 180AB: Computer Literacy

Humanities, Arts, and Design [HU]
ENH 221: SURVEY OF ENGLISH
LITERATURE BEFORE 1800

ENH 222: Survey of English Literature After 1800

Social-Behavioral Science [SB]
EDU 222: Intro to EXCEPTIONAL LEARNER 3 hrs
\(\%\)

GCU 113: United States and Arizona Social Studies or POS 113: United States and Arizona Social Studies or HIS 103: United States History to 1865 Fall 2016) also meet AZ Constitution teacher certification requirement.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline
\end{tabular}
\begin{tabular}{l|l} 
Cultural Diversity in the U.S. [C] & 0 hrs \\
[C] met by EDU 222. \\
Historical or Global Awareness \([\mathrm{H}]\) or \([\mathrm{G}]\) & 0 hrs \\
{\([\mathrm{H}]\) met by ENH 222.}
\end{tabular}
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline EDU 230: CULTURAL DIVERSITY IN EDUCATION & 3 hrs & & \\
\hline \begin{tabular}{l}
ENG 215: Strategies of Academic Writing or ENG 216: Persuasive Writing on Public Issues or \\
ENG 217: Personal and Exploratory Writing
\end{tabular} & 3 hrs & & \\
\hline ENH 241: American Literature Before 1860 & 3 hrs & & \\
\hline ENH 242: American Literature After 1860 & 3 hrs & & \\
\hline POS 221: Arizona Constitution & & 0-1 hrs & POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB]. \\
\hline Related Area Courses & & 6 hrs & Courses that transfer as ENG direct equivalencies or department electives: You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. \\
\hline Lower Division Elective & & \(0-7 \mathrm{hrs}\) & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Secondary Education (History), BAE Pathway
2018-2019
\end{abstract}

ASU Major: Secondary Education (History), BAE | Mary Lou Fulton Teachers College

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement

CSC 180: Computer Literacy or
CIS 105: Survey of Computer Information
Systems or
BPC 110: Computer Usage \& Applications

HIS 103 meets US Constitution teacher certification requirement

HIS 103: United States History to 1865

Humanities, Arts, and Design
3 hrs
E

Social-Behavioral Science [SB]

\begin{tabular}{l|l} 
Natural Science [SQ, SG] & 4 hrs \\
Natural Science [SQ, SG] & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement.
\end{tabular} \\
\hline Natural Science [SQ, SG] & 4 hrs
\end{tabular} \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement.
\end{tabular}

General Education Awareness Areas [C, H, G]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (History) B.A.E. degree program.

Special Requirements: 2.5 GPA in History concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of " C " or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to which may impact your ability to seamlessly progress through the uppe
division course work. We recommend division course work. We recom you speak to a Mary Lou Fulton these requirements further.
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication

COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3 \mathrm{hrs}\) Complete CRE 101 or equivalent.
Additional Lower Division Requirements
EDU 230: CULTURAL DIVERSITY IN
EDUCATION

HIS 100: HIST OF W CIVILIZATION TO MID AGES or
\(\left.\begin{array}{ll}\text { Lower Division Elective } & 4-16 \text { hrs }\end{array} \begin{array}{l}\text { Lower Division Electives should be completed } \\ \text { once all other requirements have been met and } \\ \text { only if needed to complete community college's } \\ \text { associate degree requirements. }\end{array}\right]\)

POS 22. Arizona Constitution and
POS 222: U.S. Constitution

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Secondary Education (Mathematics), BAE Pathway 2018-2019
\end{abstract}

ASU Major: Secondary Education (Mathematics), BAE | Mary Lou Fulton Teachers College

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}

Mathematical Studies [MA, CS]
MAT 220: Calculus with Analytic Geometry I
\(\stackrel{\text { or }}{\text { MA }}\)
MAT 221: Calculus with Analytic Geometry


CIS 163AA: Java Programming: Level I or 3-4 hrs CSC 100: Introduction to Computer Science © (o)
(C++) or
CSC 100AB: Intro to COMPUTER SCIENCE
(C++) or
CIS 110: Home Entertainment and Computer
Networking or
CSC 110AA: Introduction to Computer
Science (Java) or
CSC 110AB: Intro to Computer Science
(JAVA) or
CSC 150: Programming in C/C++ or
CSC 205: Object Oriented Programming and
Data Structures or
CSC 205AA: Object Oriented Programming
and Data Structures or
CSC 205AB: Object Oriented Programming and Data Structures or
CSC 205AC: Object Oriented Programming and Data Structures or
and Data Structures or and Data Structures

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB]
EDU 222: Intro to EXCEPTIONAL LEARNER

GCU 113: United States and Arizona Social Studies or POS 113: United States and Arizona Social Studies or HIS 103: United States History to 1865 certification requirement.

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Mathematics) B.A.E. degree program.
2.5 GPA required in Mathematics concentration courses and coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.
\begin{tabular}{l|ll} 
Natural Science [SQ, SG] & 4 hrs & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement.
\end{tabular} \\
Natural Science [SQ, SG] & 4 hrs & \begin{tabular}{l} 
Select at least one SQ within the Natural \\
Science requirement.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{General Education Awareness Areas [C, H, G]} \\
\hline Cultural Diversity in the U.S. [C] & 0 hrs & Cultural Diversity in the U.S. - 3 hrs [C] met by EDU 222 \\
\hline Historical or Global Awareness [H] or [G] & 0 hrs & Satisfied by HIS 103 or GCU 113/POS 113 (GCU/POS 227 prior to Fall 2016). \\
\hline
\end{tabular}
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{|c|c|c|c|}
\hline Additional Lower Division Requirements EDU 230: CULTURAL DIVERSITY IN EDUCATION & 3 hrs & & \\
\hline \begin{tabular}{l}
MAT 230: Calculus with Analytic Geometry II or \\
MAT 231: Calculus with Analytic Geometry II
\end{tabular} &  & & \\
\hline \begin{tabular}{l}
MAT 240: Calculus with Analytic Geometry III or \\
MAT 241: Calculus with Analytic Geometry III
\end{tabular} &  & & \\
\hline MAT 276: Modern Differential Equations or MAT 277: Modern Differential Equations & 3-4 hrs & & \\
\hline POS 221: Arizona Constitution & &  & POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB]. \\
\hline Lower Division Elective & & 0-10 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Secondary Education (Physical Education), BAE Pathway
2018-2019
\end{abstract}

ASU Major: Secondary Education (Physical Education), BAE | Mary Lou Fulton Teachers College

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry


Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement.
CIS 105: Survey of Computer Information Systems OR
CSC 180: Computer Literacy or
CSC 180AA: Computer Literacy or
CSC 180AB: Computer Literacy

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB]
\begin{tabular}{lll} 
HIS 103: United States History to 1865 or & 3 hrs & HIS 103, GCU 113, and POS 113 meet US \\
POS 113: United States and Arizona Social Studies or & & \begin{tabular}{l} 
Constitution teacher certification requirement. \\
GCU 113: United States and Arizona Social Studies
\end{tabular} \\
& & \begin{tabular}{l} 
GCU 113 and POS 113 (GCU/POS227 prior to \\
Fall 2016) also meet AZ Constitution teacher
\end{tabular} \\
& & \\
& &
\end{tabular}

EDU 222: Intro to EXCEPTIONAL LEARNER 3 hrs

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Physical Education) B.A.E. degree program.

Special Requirements: 2.5 GPA in PE concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of " C " or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the uppe division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.
Natural Science [SQ, SG]
Natural Science [SQ]
BIO 201: Human Anatomy and Physiology
\begin{tabular}{lll} 
General Education Awareness Areas [C, H, G] \\
Cultural Diversity in the U.S. [C]
\end{tabular}
Historical or Global Awareness [H] or [G]

\section*{MCCCD Additional Requirements}

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or


COM 230: Small Group Communication

CRE 101: College Critical Reading
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline BIO 202: Human Anatomy and Physiology & 4 hrs & & \\
\hline EDU 230: CULTURAL DIVERSITY IN EDUCATION & 3 hrs & & \\
\hline EDU 221: Introduction to Education & 3 hrs & & \\
\hline EXS 214: Instructional Competency: Flexbility and Mind- Body Exercises & 2 hrs & & \\
\hline EXS 216: Instructional Competency: Muscular Strength and Conditioning & 2 hrs & & \\
\hline EXS 218: Instructional Competency: Cardiorespiratory Exercises and Activities & 2 hrs & & \\
\hline POS 221: Arizona Constitution & & 0-1 hrs & POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB]. \\
\hline PSY 101: Introduction to Psychology & 3 hrs & & \\
\hline Lower Division Elective & & 0-6 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Secondary Education (Physics), BAE Pathway
2018-2019
\end{abstract}

ASU Major: Secondary Education (Physics), BAE | Mary Lou Fulton Teachers College

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

\section*{3 hrs \\ 0}

B
Humanities, Arts, and Design

Recommend selecting a course that satisfies Literacy \& Critical Inquiry, Social-Behavioral Sciences, Humanities \& Fine Arts, COM, or CRE 101 requirements simultaneously

HIS 103, GCU 113, and POS 113 meet US Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.

Social-Behavioral Science [SB]
EDU 222: Intro to EXCEPTIONAL LEARNER 3 hrs

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Physics) B.A.E. degree program.

Special Requirements: 2.5 GPA in Physics concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to which may impact your ability to
seamlessly progress through the upper seamlessly progress through the uppe
division course work. We recommend division course work. We recomm you speak to a Mary Lou Fulton
Teachers College advisor to discuss Teachers College advisor to
these requirements further.
greater.

HIS 103: United States History to 1865 or
POS 113: United States and Arizona Social Studies or GCU 113: United States and Arizona Social Studies

Natural Science [SQ, SG]
PHY 115: University Physics I or PHY 121: UNIVERSITY PHYSICS I: MECHANICS

\section*{4-5 hr}


PHY 116: University Physics II or PHY 131: University Physics II: Electricity and Magnetism
Subject Options
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II
MAT 240: Calculus with Analytic Geometry III
or
MAT 241: Calculus with Analytic Geometry III
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{MCCCD Additional Requirements} \\
\hline COM 100: Introduction to Human & 0-3 hrs & & \\
\hline Communication OR & & & \\
\hline \multicolumn{4}{|l|}{COM 110: Interpersonal Communication OR} \\
\hline \multicolumn{4}{|l|}{COM 225: Public Speaking OR} \\
\hline \multicolumn{4}{|l|}{COM 230: Small Group Communication} \\
\hline CRE 101: College Critical Reading & & \(0-3 \mathrm{hrs}\) & Complete CRE 101 or equivalent. \\
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline EDU 230: CULTURAL DIVERSITY IN EDUCATION & 3 hrs & & \\
\hline PHY 241: University Physics III: Thermodynamics, Optics, and Wave Phenomena & 4 hrs & & \\
\hline POS 221: Arizona Constitution & & 0-1 hrs & POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 113 (GCU/POS227 prior to 2016) for [SB]. \\
\hline Lower Division Elective & & 0-15 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete Community College's Associate Degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Secondary Education (Political Science), BAE Pathway
2018-2019
\end{abstract}

ASU Major: Secondary Education (Political Science), BAE | Mary Lou Fulton Teachers College

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry


Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
CIS 105: Survey of Computer Information Systems or
Systems or
CSC 180: Computer Literacy or
BPC 110: Computer Usage \& Applications or
CSC 180AA: Computer Literacy

Humanities, Arts, and Design [HU] HIS Elective

Humanities, Arts, and Design
\(\square\) HU General Studies designation. This course will count towards the 12 total credit hours for Related Area requirement.

Social-Behavioral Science [SB] POS 120: World Politics or POS 140: Comparative Government

EDU 222: Intro to EXCEPTIONAL LEARNER 3 hrs
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Political Science) B.A.E. degree program.

Special Requirements: 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of " C " or better.

While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program iTeachAZ Professional Teacher which may impact your ability to
seamlessly progress through the upper seamlessly progress through the uppe
division course work. We recommend you speak to a Mary Lou Fulton you speak to a Mary Lou Fulton
Teachers College advisor to discus Teachers College advisor to
these requirements further.
greater.

MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

\section*{\(0-3\) hrs}
(0)
Additional Lower Division Requirements
HIS 103: United States History to 1865 or
GCU 113: United States and Arizona Social Studies or
POS 113: United States and Arizona Social Studies or
POS 220: U.S. and Arizona Constitution

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Social Justice and Human Rights, BA Pathway
2018-2019
\end{abstract}

ASU Major: Social Justice and Human Rights, BA | New College of Interdisciplinary Arts and Sciences

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]

3 hrs

3 hrs
(

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or
greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social Justice and Human Rights, BA degree program.

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
COM 100: Introduction to Human
Communication OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication
CRE 101: College Critical Reading

Total Required Credits: 60

\section*{Track/Groups}

Focus Area Courses
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|r|}{Focus Area Course} \\
\hline \multirow[t]{3}{*}{AFR 202: Ethnic Relations in the United States or ASB 202: Ethnic Relations in the United States or CCS 202: Ethnic Relations in the United States} & Materialism, Intersectionality \& \\
\hline & Inequality Focus Area. \\
\hline & Focus Area Course \\
\hline ASB 102: Introduction to Cultural Anthropology & Materialism, Intersectionality \& Inequality Focus Area. \\
\hline \multicolumn{2}{|r|}{Focus Area Course} \\
\hline ASB 211: Women in Other Cultures & Materialism, Intersectionality \& Inequality Focus Area. \\
\hline \multicolumn{2}{|r|}{Focus Area Course} \\
\hline POS 120: World Politics & Materialism, Intersectionality \& Inequality Focus Area. \\
\hline \multicolumn{2}{|r|}{Focus Area Course} \\
\hline SOC 212: Gender and Society & Materialism, Intersectionality \& Inequality Focus Area. \\
\hline \multicolumn{2}{|r|}{Focus Area Course} \\
\hline SOC 241: Race and Ethnic Relations & Materialism, Intersectionality \& Inequality Focus Area. \\
\hline \multicolumn{2}{|r|}{Focus Area Course} \\
\hline SOC 251: Social Problems & Materialism, Intersectionality \& Inequality Focus Area. \\
\hline \multicolumn{2}{|r|}{Focus Area Course} \\
\hline WST 100: Women and Society & Materialism, Intersectionality \& Inequality Focus Area. \\
\hline
\end{tabular}

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Social Work, BSW Pathway \\ 2018-2019}

ASU Major: Social Work, BSW | College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry 3 hrs
Literacy and Critical Inquiry 3 hrs

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications 3 hrs

Humanities, Arts, and Design [HU]
SWU 183: Introductory Ethics: A Social
Service Perspective or
PHI 101: Introduction to Philosophy or
PHI 102: Introduction to Philosophy or
PHI 105: Introduction to Ethics

Humanities, Arts, and Design 3 hrs
\%

Social-Behavioral Science [SB]
SWU 182: A Social Services Perspective of Government or
POS 110: American National Government

PSY 101: Introduction to Psychology or SOC 101: Introduction to Sociology


Natural Science [SQ, SG
Natural Science [SQ, SG]

Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social Work B.S.W. degree program.

Upon transfer to ASU students mus complete the following milestones in order to progress in the major: Successful completion of 40 hours of human service experiences (SWU 291); and a 2.5 cumulative GPA in social work courses ASU-SWU 171, 291, 292, 295 (or equivalent MCCCD
courses).Minimum 3.0 GPA in SWU 303, SWU 306, SWU 311, SWU 312, SWU 340, \& SWU 374 and a minimum overall GPA of 2.75 in order to advance to 400 level SWU courses.
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\(\left.\begin{array}{l}\text { Additional Lower Division Requirements } \\ \text { SWU 181: Economics: A Social Issues } \\ \text { Perspective or } \\ \text { ECN 211: Macroeconomic Principles } \\ \text { SWU 171: Introduction to Social Welfare } \\ \text { SWU 291: Social Service Delivery Systems } \\ \text { SWU 295: Effective Helping in a Diverse } \\ \text { World } \\ \text { Interdisciplinary Requirement } \\ \text { Curs hrs } \\ \begin{array}{l}\text { Cultures or Language: Completion of three courses in cultural } \\ \text { diversity OR Completion of a language courses at the intermediate } \\ \text { level (202 or equivalent). }\end{array} \quad 6 \text { hrs }\end{array} \begin{array}{l}\text { Select two classes from at least two of the three } \\ \text { Area tracks. The track titles are located in the } \\ \text { comments section of each track at the bottom of } \\ \text { this page. } \\ \text { College Level Examination Program (CLEP) will } \\ \text { satisfy language requirement, if 202 level } \\ \text { language proficiency is met. Credits must be } \\ \text { transferred to ASU Admissions. Cultural }\end{array}\right]\)

Total Required Credits: 60

\section*{Track/Groups}

Interdisciplinary Requirement

\section*{Interdisciplinary Requirement}
AJS 101: Introduction To Criminal Justice or
AJS 212: Juvenile Justice Procedures or
AJS 225: Criminology or
AJS 109: Substantive Criminal Law or
AJS 270: Community Relations
PAD 100: 21st Century Public Policy and Service or
PAD 200: Public Affairs Economics
REC 120: Leisure and the Quality of Life

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Social and Behavioral Sciences, BA Pathway
2018-2019
\end{abstract}

ASU Major: Social and Behavioral Sciences, BA | New College of Interdisciplinary Arts and Sciences

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Behavioral Sciences, BA degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
higher math course that meets [MA]
requirement.
PSY 230: Introduction to Statistics
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Social-Behavioral Science [SB]
COM 100: Introduction to Human Communication OR
POS 110: American National Government OR
\begin{tabular}{|c|c|c|}
\hline Natural Science [SQ, SG] & & \\
\hline PSY 290AB: Research Methods or PSY 290AC: Research Methods & 4 hrs & PSY 290AB or PSY 290AC is required for this pathway and satisfies [L] or [SG], but not both. If it is applied to [L], another Natural Science course must be selected for a total of 8 cr . in Natural Sciences. Select at least one SQ within the Natural Science requirements. \\
\hline Natural Science [SQ, SG] & 4 hrs & Select at least one SQ within the Natural Science requirements. \\
\hline
\end{tabular}
Cultural Diversity in the U.S. \([\mathrm{C}]\)
Historical or Global Awareness \([\mathrm{H}]\) or \([\mathrm{G}]\)
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{l} 
Additional Lower Division Requirements \\
Related Electives
\end{tabular}\(\quad 0-6\) hrs \begin{tabular}{l} 
Select two courses ( 6 credits) that transfer to \\
ASU with any of the following prefixes: ASB, \\
COM, POS, PSY, SBS, or SOC. These courses \\
may simultaneously fulfill any outstanding AGEC \\
requirements. \\
Thematic Coursework (6 credit hours), All \\
courses must be selected from a single theme \\
area. Themes include Individual and Family, \\
Individual and Community, Individual and \\
Culture, and Individual and Society, These \\
courses may simultaneously fulfill any \\
outstanding AGEC requirements. If needed, \\
remaining courses can be completed at ASU.
\end{tabular}

Total Required Credits: 60

\section*{Track/Groups}

Thematic Coursework
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|r|}{Thematic Coursework} \\
\hline CFS 205: Human Development or & Theme: Individual and Family \\
\hline & \\
\hline & Thematic Coursework \\
\hline POS 140: Comparative Government OR & Theme: Individual and Community \\
\hline SOC 251: Social Problems & Thematic Coursework \\
\hline POS 110: American National Government OR & Theme: Individual and Society \\
\hline POS 140: Comparative Government OR & Thematic Coursework \\
\hline POS 210: Political Ideologies OR & \\
\hline SOC 251: Social Problems OR & \\
\hline SOC 212: Gender and Society OR & \\
\hline SOC 140: Race and Ethnic Relations or SOC 241: Race and Ethnic Relations OR & \\
\hline SSH 111: Sustainable Cities & \\
\hline ASB 211: Women in Other Cultures & Theme: Individual and Culture \\
\hline
\end{tabular}

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Social and Behavioral Sciences, BS Pathway
2018-2019
\end{abstract}

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L] 3 hrs

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
higher level math course that meets [MA]
requirement.
PSY 230: Introduction to Statistics 3 hrs

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]


줓

Social-Behavioral Science [SB]
COM 100: Introduction to Human Communication OR
POS 110: American National Government OR
POS 120: World Politics OR
PSY 101: Introduction to Psychology OR
SOC 101: Introduction to Sociology
Social-Behavioral Science [SB] prerequisite for PSY 230 (required for CS).

Natural Science [SQ, SG]
PSY 290AB: Research Methods or PSY 290AC: Research Methods

Natural Science [SQ, SG]

PY 290AB or PSY 290AC is required for this pathway and satisfies [L] or [SG], but not both. If is applied to [L], another Natural Science course must be selected for a total of 8 cr . in Natural Sciences. Select at least one SQ within the Natural Science requirements
Select at least one SQ within the Natural Science requirements

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Behavioral Sciences, BS degree program.
Cultural Diversity in the U.S. \([\mathrm{C}]\)
Historical or Global Awareness \([\mathrm{H}]\) or \([\mathrm{G}]\)
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline Related Electives & & 0-6 hrs & Select two courses ( 6 credits) that transfer to ASU with any of the following prefixes: ASB, COM, POS, PSY, SBS, or SOC. These courses may simultaneously fulfill any outstanding AGEC requirements. \\
\hline Thematic Coursework & & 3-6 hrs & Thematic Coursework (6 credit hours). All courses must be selected from a single theme area. Themes include Individual and Family, Individual and Community, Individual and Culture, and Individual and Society. These courses may simultaneously fulfill any outstanding AGEC requirements. If needed, remaining courses can be taken at ASU. \\
\hline Languages and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language. & \(0-16 \mathrm{hrs}\) & & \\
\hline Lower Division Elective & & 0-22 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. SBS 200 can be taken after transfer to ASU. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Track/Groups}

Thematic Coursework
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|r|}{Thematic Coursework} \\
\hline CFS 205: Human Development & Theme: Individual and Family \\
\hline \multicolumn{2}{|r|}{Thematic Coursework} \\
\hline POS 140: Comparative Government OR & Theme: Individual and Community \\
\hline SOC 251: Social Problems & Thematic Coursework \\
\hline POS 110: American National Government OR & Theme: Individual and Society \\
\hline POS 140: Comparative Government OR & Thematic Coursework \\
\hline POS 210: Political Ideologies OR & \\
\hline SOC 251: Social Problems OR & \\
\hline SOC 212: Gender and Society OR & \\
\hline SOC 140: Race and Ethnic Relations or SOC 241: Race and Ethnic Relations OR & \\
\hline SSH 111: Sustainable Cities & \\
\hline ASB 211: Women in Other Cultures & Theme: Individual and Culture \\
\hline
\end{tabular}

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Social and Cultural Analysis (American Studies), BA Pathway \\ 2018-2019
}

ASU Major: Social and Cultural Analysis (American Studies), BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

\section*{3 hrs}

(

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (American Studies), BA degree program.

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
```

4 hr Science requirement.

```

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

Additional Lower Division Requirements
Languages and Cultures: Requirement satisfied through the following:
Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language.

Lower Division Elective

0-16 hrs Language and Cultures: may be completed after transfer. If choosing the computer language option to satisfy this requirement, select courses hat transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide.
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District

2018-2019

\title{
Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA Pathway
}
\end{abstract}

ASU Major: Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA | New College of Interdisciplinary Arts and Sciences

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs
a


Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Ethnicity, Race and Indigenous Studies), BA degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Applications [CS]

Humanities, Arts, and Design [HU] Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]

\section*{3 hrs}

3 hrs
3 hrs

Social-Behavioral Science [SB]
AFR 202: Ethnic Relations in the United States or
ASB 202: Ethnic Relations in the United States or CCS 202: Ethnic Relations in the United States or WST 100: Women and Society

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
4 hrs
\(\square\)

4 hrs Select at least one [SQ] within the Natural
 Science requirement.

Additional Lower Division Requirements
Language and Cultures: Requirement satisfied through the following
Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language.

Lower Division Elective

Language and Cultures - may be completed after transfer. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide.
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Social and Cultural Analysis (Latin American Studies), BA Pathway

\section*{2018-2019}
\end{abstract}

ASU Major: Social and Cultural Analysis (Latin American Studies), BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
3 hrs

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Latin American Studies), BA degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]

WST 100: Women and Society or
CCS 202: Ethnic Relations in the United States or AFR 202: Ethnic Relations in the United States

Social-Behavioral Science
3 hrs WST 100 or ETH 100 can also satisfy the
Cultural Diversity in the U.S. (C) requirement.


Natural Science [SQ, SG]
Natural Science

Natural Science
4 hrs
\%

4 hrs Select at least one [SQ] within the Natural


Science requirement.

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G] \(\quad 0-3\) hrs

Additional Lower Division Requirements
Languages and Cultures: Requirement satisfied through the following:
Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language.

Lower Division Elective

0-16 hrs Language and Cultures: may be completed after transfer. If choosing the computer language option to satisfy this requirement, select courses hat transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide.
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Social and Cultural Analysis (Peace Studies), BA Pathway
2018-2019
ASU Major: Social and Cultural Analysis (Peace Studies), BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL


ENG 102: First-Year Composition or
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 h

Social-Behavioral Science [SB]
AFR 202: Ethnic Relations in the United States or
ASB 202: Ethnic Relations in the United States or
CCS 202. Ethnic Relations in the United States or WST 100: Women and Society

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
Natural Science [SQ, SG]
Science requirement
Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

0 hrs Requirement can be satisfied by WST 100 or ETH 100
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Peace Studies), BA degree program.

Additional Lower Division Requirements
Language and Cultures: Requirement satisfied through the following:
Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language.

Lower Division Elective

Language and Cultures - may be completed after transfer. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide.
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Social and Cultural Analysis (Queer and Sexuality Studies), BA Pathway \\ 2018-2019}

ASU Major: Social and Cultural Analysis (Queer and Sexuality Studies), BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs}

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Queer and Sexuality Studies), BA degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Analysis

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]


Social-Behavioral Science [SB]
AFR 202: Ethnic Relations in the United States or ASB 202: Ethnic Relations in the United States or CCS 202: Ethnic Relations in the United States or WST 100: Women and Society

Social-Behavioral Science [SB]

Natural Science [SQ, SG
Natural Science [SQ, SG]

Natural Science [SQ, SG]
\(\square\)
4 hrs
Select at least one [SQ] within the Natura Science requirement.


\section*{3 hrs}
\(\square\)
 Cultural Diversity in the U.S. (C) requirement

0 hrs This requirement can also be satisfied by WST ( 100 or ETH 100

General Education Awareness Areas [C, H, G] Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

Additional Lower Division Requirements
Language and Cultures: Requirement satisfied through the following:
Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language.

Lower Division Elective

Language and Cultures - may be completed after transfer. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide.
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Pathway Agreement}

\author{
Maricopa Community College District \\ Social and Cultural Analysis (Women and Gender Studies), BA Pathway \\ 2018-2019
}

ASU Major: Social and Cultural Analysis (Women and Gender Studies), BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3h

Social-Behavioral Science [SB]

AFR 202: Ethnic Relations in the United States or
ASB 202: Ethnic Relations in the United States or CCS 202. Ethnic Relations in the United States or WST 100: Women and Society

Social-Behavioral Science [SB]
3 hrs WST 100 or ETH 100 can also satisfy the

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
4 hrs
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C] \begin{tabular}{l}
0 hrs
\end{tabular} \begin{tabular}{l} 
This requirement can also be satisfied by WST \\
100 or ETH 100
\end{tabular}

Historical or Global Awareness [H] or [G]

4 hrs Select at least one [SQ] within the Natural


Science requirement

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Social and Cultural Analysis (Women and Gender Studies), BA degree program.
greater.

Additional Lower Division Requirements
Language and Cultures: Requirement satisfied through the following:
Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language.

Lower Division Elective

Language and Cultures - may be completed after transfer. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide.
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Sociology, BA Pathway
2018-2019
\end{abstract}

ASU Major: Sociology, BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs} E

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarante admission to the Sociology B.A. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
Computer/Statistics/Quantitative Applications [CS]


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design

Social-Behavioral Science [SB] SOC 101: Introduction to Sociology

Social-Behavioral Science
Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
\(\left.\begin{array}{ll}\text { Related Area Courses } & 15 \text { hrs }\end{array} \begin{array}{l}\text { Select five courses (15 hours) that transfer to } \\ \text { ASU in the following ASU prefixes: ASB, GCU, } \\ \text { POS, PSY, SOC, WST; or courses that transfer } \\ \text { to ASU with Social Behavioral [SB] designation. } \\ \text { May be met within AGEC. }\end{array}\right]\)

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Sociology, BS Pathway
2018-2019
\end{abstract}

ASU Major: Sociology, BS | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or
greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements earns MCCCD Associate in Arts degree, satisfies AGEC-A, meets major map requirements at ASU and guarantees admission to the Sociology B.S. degree program
B.S. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Applications [CS]3-5 hrsE
\(\square\)
3 hrs

3 hrs 3 hrs家

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]



General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]


Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
Related Area Courses

Language and Cultures: Requirement satisfied through the following Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language

\section*{Lower Division Elective}

Related Field Requirement: Select up to four courses (12 hours) that transfer to ASU in the following ASU prefixes: ASB, GCU, POS, PSY SOC, WST; or courses that transfer to ASU with Social Behavioral [SB] designation. May be met within AGEC.
anguage and Cultures requirement: complete an intermediate language course (4th semester proficiency) or a computer language sequence (select courses that transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide). Or, you may satisfy the requirement after transfer to ASU though various upper division course options.
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Sociology, BS Pathway
2018-2019
\end{abstract}

ASU Major: Sociology, BS | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry
3 hrs

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Sociology B.S. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement.
Computer/Statistics/Quantitative Applications 3 hrs [CS]


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design 3 hrs
\%

Social-Behavioral Science [SB]
SOC 101: Introduction to Sociology

SOC 251: Social Problems or
SOC 241: Racial and Ethnic Minorities or
SOC 212: Gender and Society
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. \\
\hline
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]


COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.
\begin{tabular}{ll}
\begin{tabular}{l} 
Additional Lower Division Requirements \\
Related Area Courses
\end{tabular} & 9 hrs
\end{tabular} \begin{tabular}{l} 
Lower Division Select three courses that transfer \\
to ASU as direct equivalents or Departmental \\
Electives in the following ASU prefixes: AFS, \\
ASB, CDE, CSS, ECN, FAS, GCU, HST, POS, \\
PSY, TCL, \& WST.
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Software Engineering, BS Pathway

\section*{2018-2019}

ASU Major: Software Engineering, BS | Ira A. Fulton Schools of Engineering

\section*{Pathway Requirements}

First-Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL


ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]


Humanities, Arts, and Design [HU]
Humanities, Arts, and Design

Humanities, Arts, and Design
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3 hrs

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-

Social-Behavioral Science [SB]

Recommend selecting a course that simultaneously satisfies Awareness Areas, COM, or CRE 101 requirements simultaneously.

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Software Engineering BS degree program.

In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 2.75 cumulative transfe GPA. A total of 64 credit hours will transfer to Arizona State University.

3 hrs See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.
for

Natural Science [SQ, SG]
CHM 150: General Chemistry I and 8-9 hrs Select the Biology or Chemistry sequence
CHM 151LL: General Chemistry I Laboratory or
CHM 151LL: General Chemistry I La
CHM 151: General Chemistry I and
CHM 151LL: General Chemistry I Laboratory or
CHM 150AA: General Chemistry I and
CHM 152: General Chemistry II and
CHM 152LL: General Chemistry II Laboratory or CHM 152AA: General Chemistry II OR

BIO 181: General Biology (Majors) I and
BIO 182: General Biology (Majors) II

Subject Options
MAT 230: Calculus with Analytic Geometry II
or
MAT 231: Calculus with Analytic Geometry II

MAT 240: Calculus with Analytic Geometry III or
MAT 241: Calculus with Analytic Geometry III or
MAT 276: Modern Differential Equations or
MAT 277: Modern Differential Equations

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G] 0-3 hrs r

MCCCD Additional Requirements
COM 100: Introduction to Human Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading

Additional Lower Division Requirements CSC 110: Introduction to Computer Science or
CSC 110AA: Introduction to Computer Science or
CSC 110AB: Intro to Computer Science
(JAVA)
CSC 120: Digital Design Fundamentals or EEE 120: Digital Design Fundamentals

CSC 205: Object Oriented Programming a or
CSC 205AA: Object Oriented Programming a
or
CSC 205AB: Object Oriented Programming a
CSC 240: Introduction to Different Pro
ECE 102: Engineering Analysis Tools an or ECE 102AA: Engineering Analysis Tools an AND

ECE 103: Engineering Problem Solving a or ECE 103AB: Engineering Problem Solving a

EEE 230: COMPUTER ORG \& ASSEMBLY LANGUAGE or
CSC 230: COMPUTER ORG \& ASSEMBLY LANGUAGE
MAT 227: Discrete Mathematical Structures
PHY 115: University Physics I or
PHY 121: UNIVERSITY PHYSICS I:
MECHANICS

Total Required Credits: 66

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Spanish, BA Pathway \\ 2018-2019}

ASU Major: Spanish, BA | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Spanish B.A. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
Computer/Statistics/Quantitative Applications 3 hrs

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU]
3 hrs
a
(1)


Recommended courses to satisfy HU requirement: SLC 201 or ENG 213.

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]
3 hrs
E

Natural Science [SQ, SG]
Natural Science

Natural Science
```

4 hrs Select at least one SQ within the Natural
Science requirement
4 hrs Select at least one SQ within the Natural Science requirement

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General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

COM 100: Introduction to Human
Communication or

COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3 \mathrm{hrs}\) Complete CRE 101 or equivalent.

Additional Lower Division Requirements
SPA 201: Intermediate Spanish I or
SPA 203: Spanish for Spanish Speaking
Students I
SPA 202: Intermediate Spanish II or 0-4 hrs SPA 204: Spanish for Spanish-Speaking Students II
\begin{tabular}{lll} 
SPA 101: Elementary Spanish I or & \(0-8 \mathrm{hrs}\) & \begin{tabular}{l} 
Demonstrated language proficiency at or above \\
the 202 level is required for enrollment in upper
\end{tabular} \\
SPA 101AA: Elementary Spanish I and & division major requirement courses. Taking the 8 \\
SPA 102: Elementary Spanish II or \\
SPA 102AA: Elementary Spanish II OR & \begin{tabular}{l} 
credit SPA 101(AA) AND 102(AA) option is the \\
same as the 4 credit SPA 111 option.
\end{tabular} \\
SPA 111: Fundamentals of Spanish & \(0-25\) hrs & \begin{tabular}{l} 
Lower Division Electives should be completed \\
once all other requirements have been met and \\
only if needed to complete community college's
\end{tabular} \\
Lower Division Elective & \begin{tabular}{l} 
associate degree requirements.
\end{tabular}
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Spanish, BA Pathway
2018-2019
\end{abstract}

ASU Major: Spanish, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry

\section*{3 hrs}

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics or Higher level course that meets MA requirement

Computer/Statistics/Quantitative Applications 3 hrs [CS]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Spanish B.A. degree program.
2.33 cumulative GPA required in Sun Devil tracking courses: SPA 101, SPA 101AA, SPA 102, SPA 102AA (or SPA 111 if selected instead of SPA 101 and SPA 102), SPA 201, SPA 202.

This degree can be completed either On-campus or Online. If chosing the On-campus option, once transfering to ASU, the student will select one of the following programs of study:the Spanish linguistics track or the Spanish literature and culture track.

Humanities, Arts, and Design [HU]
ENG 213: Introduction to the Study of or
ENG 213: Introduction to the Study of or
SLC 201: Introduction to Linguistics
SLC 201 is preferred. Three credit hours of Humanities and Fine Arts [HU] or Behavioral Science [SB] may be satisfied with SLC 201 or ENG 213.
Humanities, Arts, and Design [HU]

\section*{3 hrs}
©

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]
3 hrs
(

\section*{3 hrs}


SLC 201 is preferred. Three credit hours of Humanities and Fine Arts [HU] or Behavioral Science [SB] may be satisfied with SLC 201 or ENG 213.

Natural Science [SQ, SG]
Natural Science

Natural Science

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
\begin{tabular}{ll}
4 hrs Select at least one SQ within the Natural \\
Science requirement. \\
4 hrs & Select at least one SQ within the Natural \\
Science requirement.
\end{tabular}

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.
Additional Lower Division Requirements
SPA 101: Elementary Spanish I and
SPA 102: Elementary Spanish II or
SPA 111: Fundamentals of Spanish

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Special Education and Elementary Education, BAE Pathway \\ 2018-2019
}

ASU Major: Special Education and Elementary Education, BAE | Mary Lou Fulton Teachers College

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] COM 225: Public Speaking

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA requirement
CIS 105: Survey of Computer Information
Systems or
BPC 110: Computer Usage \& Applications

Humanities, Arts, and Design [HU
ARH 100: Introduction to Art or
ARH 102: Renaissance Through Contemporary Art or
THE 111: Introduction to Theatre or
DAH 100: Introduction to Dance or
DAH 201: World Dance Studies or
DAH 250: Dance in Popular Culture or
DAH 250: Dance in Popular Culture or
MHL 140: Survey of Music History or
MHL 145: American Jazz and Popular Music
MHL 146: Survey of Broadway Musicals or
MHL 153: Rock Music and Culture or
THE 220: Modern Drama

EDU 291: Children's Literature or ENH 291: Children's Literature

Social-Behavioral Science [SB]
ECH 176: Child Development or
CFS 176: Child Development or
CFS 205: Human Development
HIS 103: United States History to 1865 or
POS 113: United States and Arizona Social Studies or
GCU 113: United States and Arizona Social Studies
Systems or
BPC 110: Computer Usage \& Applications

Students must meet one of the following MCCCD prerequisites to take MAT256 (see Additional Lower Division Requirements section): Grade of C or better in MAT150/151/152, or MAT120/121/122 AND 140/141/142, or MAT140/141/142 AND placement test score to permit enrollment in MAT150/151/152 or higher.

\section*{3 hrs Satisfies the Art, Dance, Music or Theate course requirement.}

3 hrs HIS 103, GCU 113, and POS 113 meet US
 Constitution teacher certification requirement. GCU 113 and POS 113 (GCU/POS227 prior to Fall 2016) also meet AZ Constitution teacher certification requirement.

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate of Arts
Elementary Education degree and
AGEC-A, meets major map
requirements at ASU, and guarantees admission to the Elementary Education or Elementary Education (Bilingual Education/English as a Second Language) or Special
Education/Elementary Education B.A.E. degree program and the iTeachAZ professional program.

While a 2.0 is the minimum GPA for ASU's MAPP requirements, Mary Lou Fulton Teachers College requires a 2.5 GPA instead for coursework used to satisfy MAPP requirements. All courses must be completed with a C or greater.
Natural Science
Natural Science
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline & & 3 hrs & EDU 221 is an acceptable substitute for USL 216. \\
\hline EDU 222: Intro to EXCEPTIONAL LEARNER & 3 hrs & & \\
\hline EDU 230: CULTURAL DIVERSITY IN EDUCATION & 3 hrs & & \\
\hline MAT 256: Investigating Quantity: Number, Operations and Numeration Systems & 4 hrs & & \\
\hline MAT 257: Investigating Geometry, Probability and Statistics & 4 hrs & & \\
\hline Select any EDU course(s) (except EDU 221, 222, 230 and 250) for 3 credits. & 3 hrs & & \\
\hline POS 221: Arizona Constitution & & 0-1 hrs & POS 221: Take to meet AZ Constitution requirement if HIS 103 was taken rather than GCU/POS 227 for [SB] \\
\hline Lower Division Elective & 0-2 hrs & & \\
\hline \multicolumn{2}{|l|}{Select from art, dance, music, theater, or foreign language course with an approved AAEE restricted elective prefix.} & 3 hrs & Select one course that transfer as an HU. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Speech and Hearing Science, BS Pathway
}

2018-2019

ASU Major: Speech and Hearing Science, BS | College of Health Solutions

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] EXS 290: Introduction to Evidence-Based 3 hrs Practice
Mathematical Studies [MA, CS]
MAT 150: College Algebra and
MAT 182: Functions OR

MAT 151: College Algebra / Functions and MAT 182: Plane Trigonometry OR

MAT 152: College Algebra / Functions and MAT 182: Plane Trigonometry OR

MAT 187: Precalculus

PSY 230: Introduction to Statistics or
MAT 206: Elements of Statistics

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Speech and Hearing Science B.S. degree program.

Special Requirements: 2.8 GPA in Sun Devil Tracking courses: SLP214, PSY101, MAT187, PSY230 or MAT206, BIO201, PHY101, ENG215.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students which responsible for working with their are responsible for working with their advisor to confirm all transser tr are on file with
information:
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
PSY 101: Introduction to Psychology

Social-Behavioral Science

Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
MCCCD Additional Requirements
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading
Additional Lower Division Requirements
HES 210: Cultural Aspects of Health or
IFS 215: Cultural Context of Health
Information
\begin{tabular}{l} 
SLP 205: Introduction to Communication \\
Disorders
\end{tabular}
SLP 214: Speech Sound Disorders And Phonetics
Lower Division Elective

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Maricopa Community College District \\ Supply Chain Management, BS Pathway \\ 2018-2019
}

ASU Major: Supply Chain Management, BS | W. P. Carey School of Business

Pathway Requirements

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus

CIS 105: Survey of Computer Information
Systems

Humanities, Arts, and Design [HU]
Humanities, Arts, and Design
Humanities, Arts, and Design

Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles
\begin{tabular}{lll}
\begin{tabular}{l} 
Natural Science [SQ, SG] \\
Natural Science [SQ, SG]
\end{tabular} & \\
Natural Science [SQ, SG] & \\
\\
MCCCD Additional Requirements & \\
Select at least one SQ within the Natural \\
Science requirement.
\end{tabular}

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better

\section*{Special Requirements}

This degree program requires meeting W. P. Carey Bachelor of Science requirements.

Admission Requirements:
Students must complete the MAPP with a 3.0 cumulative transfer GPA. A minimum 3.0 ASU cumulative GPA is also required (if an ASU GPA has been earned).

In addition to a minimum 3.00 cumulative transfer GPA, students must meet one of the following for admission to the W. P. Carey Bachelor of Science degree program: SAT (math and critical reading sections only) score of 1230 (after March 2016) or 1160 (prior to March 2016), OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses ( \(A=4.00\) ).

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Business (ABUS-GR) and AGEC-B, meets majo map requirements at ASU, and guarantees admission to the university and admission to W.P. Carey Bachelo of Science degree. Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BS program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. A cumulative transfer GPA includes all college coursework completed at regionally accredited institutions of higher education. Students are responsible for confirming all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
Only 64 credits are transferrable to ASU. Please refer to ASU Degree Search for information regarding readmissions requirements.
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Additional Lower Division Requirements} \\
\hline ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Informatio and ACC 240: Uses of Accounting Information II OR & & \\
\hline \multicolumn{3}{|l|}{ACC 111: Accounting Principles I and ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR} \\
\hline \multicolumn{3}{|l|}{ACC 211: Financial Accounting and ACC 212: Managerial Accounting} \\
\hline \multicolumn{3}{|l|}{MAT 217: Mathematical Analysis for} \\
\hline GBS 221: Business Statistics 3 hrs & & \\
\hline GBS 205: LEGAL, ETHICAL/REGULATORY 3 hrs ISSUES/BUS & & \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
COM 100: Introduction to Human Communication or \\
0-3 hrs \\
If COM225 is selected, it may be also be applied \\
COM 225: Public Speaking or to meet Literacy and Critical Inquiry [L]. \\
COM 230: Small Group Communication or \\
COM 259: COMM IN BUSINESS \& PROFESSIONS
\end{tabular}} \\
\hline PSY Course & 3 hrs & Select a course that transfers to ASU with the PSY prefix and SB designation. \\
\hline SOC Course & 3 hrs & Select a course that transfers to ASU with the SOC prefix and SB designation. \\
\hline Lower Division Elective & 0-4 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Sustainability, BA Pathway

\section*{Maricopa Community College District}
\end{abstract}

\section*{2018-2019}

ASU Major: Sustainability, BA | School of Sustainability

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 150: College Algebra/Functions or MAT 151: College Algebra/Functions or MAT 152: College Algebra/Functions

GBS 221: Business Statistics or
MAT 206: Elements of Statistics or
SWU 225: Statistics for Social
Research/Justice and Government or
PSY 230: Introduction to Statistics

Humanities, Arts, and Design [HU]
SSH 111: Sustainable Cities

Humanities and Fine Arts

Social-Behavioral Science [SB]

\section*{SUS 110: Sustainable World}

Social-Behavioral Science

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
4 hrs
3 hrs

MAT 117 satisfies the prerequisite for the required math course SOS 101 and is needed to complete community college's associate degree requirements.

4 hrs Select at least one SQ within the Natural

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Sustainability, B.A. degree program.

A 3.0 Transfer GPA is required for admission to the Sustainability BA program. All courses must be completed with a grade of " C " or better.

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
}

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
\(0-3\) hrs

COM 110: Interperson
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
\begin{tabular}{lll} 
SUS 231: Careers in Sustainability & 1 hrs \\
SUS 232: Professional Skills in Sustainability \\
Practice & 3 hrs \\
\hline
\end{tabular}
\(\left.\begin{array}{ll}\text { Second Language: Requirement satisfied through the following: } & \mathbf{0 - 1 6} \text { hrs } \\ \text { Completion of a language course at the intermediate level (202 or } & \begin{array}{l}\text { Foreign Language Requirement: Select 101, } \\ \text { equivalent), including American Sign Language IV. }\end{array} \\ \begin{array}{ll}\text { proficiency. You may select specific courses }\end{array} \\ \text { from the Course Equivalency Guide that satisfy }\end{array}\right\}\)

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Sustainability, BS Pathway
\end{abstract}

\section*{2018-2019}

ASU Major: Sustainability, BS | School of Sustainability

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]

Literacy and Critical Inquiry [L]

Mathematical Studies [MA, CS]
MAT 150: College Algebra/Functions or
MAT 151: College Algebra/Functions or
MAT 152: College Algebra/Functions
Computer/Statistics/Quantitative Analysis

Humanities, Arts, and Design [HU]
SSH 111: Sustainable Cities

Humanities and Fine Arts Sustainability after transferring to ASU. It also meets the associate degree math requirement.

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Sustainability, B.S. degree program.

A 3.0 Transfer GPA is required for admission to the Sustainability BS program. All courses must be completed with a grade of " C " or better.

Social-Behavioral Science [SB] SUS 110: Sustainable World

Social-Behavioral Science

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
\(0-3\) hrs

COM 110: Interperson
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
\begin{tabular}{lll} 
SUS 231: Careers in Sustainability & 1 hrs \\
SUS 232: Professional Skills in Sustainability & 3 hrs \\
Practice &
\end{tabular}
\begin{tabular}{ll} 
Second Language: Requirement satisfied through the following: & \(0-8\) hrs \\
Completion of a language course at the second semester (102 or \\
equivalent), including American Sign Language II. & \begin{tabular}{l} 
Foreign Language Requirement: Select 101, 102 \\
as needed to reach 2nd semester proficiency. \\
You may select specific courses from the
\end{tabular} \\
Course Equivalency Guide that satisfy these \\
criteria. Determination is made based on the \\
semester and year the course is taken.
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}
Maricopa Community College District
Technical Communication, BS Pathway
\(2018-2019\)

ASU Major: Technical Communication, BS | College of Integrative Sciences and Arts

Pathway Requirements

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]

\section*{3 hrs}
\(\square\)

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Technical Communication, BS degree program
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]

Humanities, Arts, and Design [HU
Humanities, Arts, and Design [HU]

Humanities, Arts, and Design [HU] 3 hrs

Social-Behavioral Science [SB] Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]
```

4 hrs

```


\(\underset{0-3 \text { hrs }}{\text { ( }}\)
-*

General Education Awareness Areas [C, H, G]

Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

\title{
COM 100: Introduction to Human 0-3 hrs \\ Communication or \\ COM 110: Interpersonal Communication or \\ COM 225: Public Speaking or \\ COM 230: Small Group Communication
}
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
\(\left.\begin{array}{ll}\text { Related Area Course } & 3 \text { hrs } \\ \text { Lower Division Related area course: Select a } \\ \text { course that transfers to ASU as a direct } \\ \text { equivalent or departmental elective credit (DEC) } \\ \text { in any of the following ASU prefixes: AFR, AIS, }\end{array}\right\}\)

Total Required Credits: 60

\section*{Pathway Agreement}
Maricopa Community College District
Technological Entrepreneurship and Management, BS Pathway
\(2018-2019\)

ASU Major: Technological Entrepreneurship and Management, BS | W. P. Carey School of Business

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry [L]
Mathematical Studies [MA, CS]
MAT 212: Brief Calculus or
MAT 213: Brief Calculus
CIS 105: Survey of Computer Information
Systems OR

CSC 180: Computer Literacy or
CSC 180AA: Computer Literacy or
CSC 180AB: Computer Literacy
\begin{tabular}{lll}
\begin{tabular}{l} 
Humanities, Arts, and Design [HU] \\
Humanities, Arts, and Design [HU]
\end{tabular} & \begin{tabular}{ll} 
R hrs
\end{tabular} & \begin{tabular}{l} 
Recommend selecting [HU] course that also \\
meets Cultural Diversity in the U.S. [C].
\end{tabular} \\
Humanities, Arts, and Design [HU] & 3 hrs & \begin{tabular}{l} 
Recommend selecting [HU] course that also \\
meets Historical Awareness [H].
\end{tabular}
\end{tabular}

Social-Behavioral Science [SB]
ECN 211: Macroeconomic Principles

ECN 212: Microeconomic Principles


Natural Science [SQ, SG]
Natural Science [SQ SG]

Natural Science [SQ, SG]
4 hrs
4 h
Select at least one SQ within the Natural
Science requirement.

\footnotetext{
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
}

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

The Fulton Schools of Engineering have partnered with the W. P. Carey School of Business to offer a degree that is jointly conferred by both colleges. For more information about the degree, visit https://webapp4.asu.edu/programs/t5/majorinfo,

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Technological Entreprenuership and Management, BS degree program.

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs

Additional Lower Division Requirements ACC 111: Accounting Principles I and ACC 230: Uses of Accounting Information and
ACC 240: Uses of Accounting Information OR

ACC 111: Accounting Principles I and
ACC 112: Accounting Principles II and ACC 212: Managerial Accounting OR

ACC 211: Financial Accounting and
ACC 212: Managerial Accounting
GBS 221: Business Statistics
MAT 217: Mathematical Analysis for
Business or
MAT 218: Mathematical Analysis for
Business
\(\left.\begin{array}{ll}\text { EPS 150: Introduction to Entrepreneurship } & 3 \text { hrs }\end{array} \begin{array}{l}\text { Taking all three of the following Maricopa } \\ \text { classes will fulfill both ASU'S TMC 110 and TEM } \\ 200 \text { requirements for MAPP students: EPS 150, }\end{array}\right\}\)

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Theatre, BA Pathway
2018-2019
ASU Major: Theatre, BA | Herberger Institute for Design and the Arts

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] THE 220: Modern Drama
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications
[CS]

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU.

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more
information:
https://transfer.asu.edu/credits
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]

Social-Behavioral Science [SB]
Social-Behavioral Science [SB]

Social-Behavioral Science [SB]

Natural Science [SQ, SG]
Natural Science [SQ, SG]

Natural Science [SQ, SG]

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]
4 hrs Select at least one SQ within the Natural
Science requirement.
4 hrs
Select at least one SQ within the Natural
Science requirement. Science requirement.

C] can be used to simultaneously satisfy other AGEC requirements.
\(0-3\) hrs [H] or [G] can be used to simultaneously satisfy other AGEC requirements.
COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Additional Lower Division Requirements} \\
\hline THP 112: Acting I & 3 hrs & & \\
\hline THP 213: Intro to Technical Theatre & 3 hrs & & \\
\hline THP 214: Directing Techniques & 3 hrs & & \\
\hline THP 217: Intro to Design Scenography & 3 hrs & & \\
\hline THP 201AA: Theatre Production I & & 0-1 hrs & Can be taken after transfer to ASU. \\
\hline Related Theatre Elective & & 6 hrs & Theatre Elective: Complete two courses from COM 271, THP 131, THP 212, and THP 271. \\
\hline Lower Division Elective & & 0-7 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Theory and Composition (Theory), BMUS Pathway \\ 2018-2019}

ASU Major: Theory and Composition (Theory), BMUS | Herberger Institute for Design and the Arts

Pathway Requirements
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL
Literacy and Critical Inquiry [L]
COM 225: Public Speaking
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics or
Higher level course that meets MA
requirement
MTC 180: Computer Literacy for Musicians
Humanities, Arts, and Design [HU]
MHL 194: Music and Culture
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]
Social-Behavioral Science [SB]
\begin{tabular}{|c|c|c|}
\hline Natural Science [SQ, S & & \\
\hline Natural Science [SQ, SG] &  & Select at least one [SQ] within the Natural Science requirement. \\
\hline Natural Science [SQ, SG] & 4 hrs & Select at least one [SQ] within the Natural Science requirement. \\
\hline
\end{tabular}
\begin{tabular}{lll} 
General Education Awareness Areas [C, H, G] & \\
Cultural Diversity in the U.S. [C] & \(0-3 \mathrm{hrs}\) & [C] could be combined with [HU], [SB], or [L]. \\
Historical or Global Awareness [H] or [G] & 0 hrs & \begin{tabular}{l} 
General Education Awareness Area [G]: Met by \\
\end{tabular}
\end{tabular}

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and with a successful audition guarantees admission to the Theory \& Composition (Theory) degree program.

Acceptance into the School of Music is contingent upon a successful audition the semester before transferring to ASU. Please refer to the following website for an application and audition deadlines: http://music.asu.edu/admissions

Students wishing to pursue a Bachelors of Music Degree other than the BM Theory \& Composition in Theory should meet with a Herberger advisor to discuss audition preparation by their third term of study at the community college. The Bachelor of Music degree requires successful completion of an audition demonstrating a high level of musicianship and may require more than 2 years of study at ASU
MHL 241 and MHL 242: Transferring students who have completed MHL 241 and/or 242 are not required to take MHL 341 and/or 342 at ASU. Students who take these courses may elect alternate upper division MHL courses at ASU (MHL 439 or MHL 440 recommended).

Piano proficiency at ASU: Proficiency exam requirements are found at https://music.asu.edu/resources/new-students/c Transferring students are advised to
take the piano proficiency exam
immediately upon transfer to ASU
\begin{tabular}{l|lll} 
COM 100: Introduction to Human Communication or & 0 hrs & COM 225 satisfies [L] and COM requirements \\
COM 110: Interpersonal Communication or & (o) & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent.
\end{tabular}
Additional Lower Division Requirements
MTC 105: Music Theory I and
MTC 106: Aural Perception I
MTC 155: Music Theory II and
MTC 156: Aural Perception II
MTC 205: Music Theory III and
MTC 206: Aural Perception III
MTC 255: Music Theory IV and
MTC 256: Aural Perception IV
Any MUP 102 suffixed course

Total Required Credits: 61

\section*{Pathway Agreement}

\section*{Maricopa Community College District}

Tourism Development and Management，BS Pathway
2018－2019
ASU Major：Tourism Development and Management，BS｜College of Public Service and Community Solutions

\section*{Pathway Requirements}

First Year Composition［FYC］
ENG 101：First－Year Composition or
ENG 107：First－Year Composition for ESL
ENG 102：First－Year Composition or
ENG 108：First－Year Composition for ESL
ENG 102：First－Year Composition or
ENG 108：First－Year Composition for ESL

Literacy and Critical Inquiry［L］
COM 225：Public Speaking

\section*{3 hrs}

Pathway Notes
2．0 GPA in coursework used to satisfy MAPP requirements．All courses must be completed with a grade of \(C\) or greater．

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC－A，meets major map requirements at ASU，and guarantees requirements at ASU，and guarantees \＆Management B．S．degree program．
Mathematical Studies［MA，CS］
MAT 140：College Mathematics or
MAT 141：College Mathematics or
MAT 142：College Mathematics

Computer／Statistics／Quantitative Applications
［CS］
Humanities，Arts，and Design［HU］
Humanities and Fine Arts
Humanities and Fine Arts
Social－Behavioral Science［SB］
REC 120：Leisure and the Quality of Life 3 hrs
Social－Behavioral Science 3 hrs
 Requirement．

Natural Science［SQ，SG］
Natural Science

Natural Science

General Education Awareness Areas［C，H，G］

4 hrs Select at least one SQ within the Natural Science requirement．

4 hrs Select at least one SQ within the Natural

Historical or Global Awareness［H］or［G］

Cultural Diversity in the U．S．［C］

3 hours［H］satisfied by SWU 171相
\begin{tabular}{l|ccc} 
COM 100: Introduction to Human Communication or & 0 hrs & Satisfied by COM 225. \\
COM 110: Interpersonal Communication or & & \\
COM 225: Public Speaking or \\
COM 230: Small Group Communication & \(0-3\) hrs & Complete CRE 101 or equivalent.
\end{tabular}

Additional Lower Division Requirements
HRM 160: Tourism Principles And Practices 3 hrs
\begin{tabular}{lll} 
Interdisciplinary Requirement & \(6-9\) hrs & \begin{tabular}{l} 
Select three courses from at least two different \\
areas listed below. AJS 101, AJS 225, AJS 270,
\end{tabular} \\
PAD 200, SWU 171 can be used to fulfill 3
\end{tabular},

Total Required Credits: 60

\section*{Track/Groups}

\section*{Interdisciplinary Requirement}
\begin{tabular}{l}
\multicolumn{4}{c|}{ Interdisciplinary Requirement } \\
\hline AJS 101: Introduction To Criminal Just or \\
AJS 212: Juvenile Justice Procedures or \\
AJS 225: Criminology or \\
AJS 109: Substantive Criminal Law or \\
AJS 270: Community Relations \\
PAD 100: 21st Century Public Policy and Service or Interdisciplinary Requirement-Area Requirement-Area \\
\hline PAD 200: Public Affairs Economics \\
\hline
\end{tabular}

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA Pathway 2018-2019}

ASU Major: Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs}
\(\square\)

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications [CS]

Humanities, Arts, and Design [HU]
CCS 101: Chicana and Chicano Sudi

Humanities, Arts, and Design
有

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
Natural Science

Natural Science [SQ, SG]
4 hrs
\%

\section*{3 hrs \\ 0}

B

CCS 101 can be used to satisfy 3 credit hours of the humanities [HU] requirement, the Cultural Awareness [C] area and a TCL elective for the major.

3 hrs
※
a)

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Transborder Chicana/o \& Latina/o Studies (Concentrations in: \& Latina/o Studies (Concentrations in: Transborder Community Development
and Health, US and Mexican Regional and Health, US and Mexican Regional
Immigration Policy \& Economy, or Media Immigration Policy \& Econom
and Expressive Culture) BA

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C

Historical or Global Awareness [H] or [G]

4 hrs Select at least one SQ within the Natural


Science requirement.

0-3 hrs 3 hrs [C] met by CCS 101 (*)

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
\(0-3\) hrs

COM 110: Interpers
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.
\(\left.\begin{array}{l}\text { Additional Lower Division Requirements } \\ \text { Lower Division Second Language: Requirement satisfied through the } \\ \text { following: Completion of a language course at the intermediate level } \\ \text { (202 or equivalent), including American Sign Language IV. }\end{array} \begin{array}{l}\text { S-16 hrs }\end{array} \begin{array}{l}\text { Select 101, 102, 201, } 202 \text { as needed to reach } \\ \text { 4th semester proficiency. You may select } \\ \text { specific courses from the Course Equivalency } \\ \text { Guide that satisfy these criteria. Determination is } \\ \text { made based on the semester and year the } \\ \text { course is taken. TCLS majors are expected to } \\ \text { fulfill the college's language requirement in } \\ \text { Spanish prior to transfer. In addition, all majors } \\ \text { must demonstrate proficiency in Spanish by }\end{array}\right\}\)

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA Pathway 2018-2019}

ASU Major: Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry
3 hrs
B

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications [CS]

Humanities, Arts, and Design [HU] CCS 101: Chicana and Chicano Studies

CCS 101 can be used to satisfy 3 credit hours of the humanities [HU] requirement, the Cultural Awareness [C] area and a TCL elective for the major.

Humanities, Arts, and Design

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science

Natural Science [SQ, SG]
Natural Science

Natural Science

3 hrs

3 hrs
3 hrs
\%

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Transborder Chicana/o \& Latina/o Studies (Concentrations in: Transborder Community Development and Health, US and Mexican Regional Immigration Policy \& Economy, or Media and Expressive Culture) BA

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
\(0-3\) hrs

COM 110: Interpers
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.
\(\left.\begin{array}{l}\text { Additional Lower Division Requirements } \\ \text { Lower Division Second Language: Requirement satisfied through the } \\ \text { following: Completion of a language course at the intermediate level } \\ \text { (202 or equivalent), including American Sign Language IV. }\end{array} \begin{array}{l}\text { S-16 hrs }\end{array} \begin{array}{l}\text { Select 101, 102, 201, } 202 \text { as needed to reach } \\ \text { 4th semester proficiency. You may select } \\ \text { specific courses from the Course Equivalency } \\ \text { Guide that satisfy these criteria. Determination is } \\ \text { made based on the semester and year the } \\ \text { course is taken. TCLS majors are expected to } \\ \text { fulfill the college's language requirement in } \\ \text { Spanish prior to transfer. In addition, all majors } \\ \text { must demonstrate proficiency in Spanish by }\end{array}\right\}\)

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Maricopa Community College District \\ Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA Pathway 2018-2019}

ASU Major: Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}
First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L]
Literacy and Critical Inquiry
3 hrs
B

Mathematical Studies [MA, CS]
MAT 140: College Mathematics or MAT 141: College Mathematics or MAT 142: College Mathematics

Computer/Statistics/Quantitative Applications [CS]

Humanities, Arts, and Design [HU] CCS 101: Chicana and Chicano Studies

Humanities, Arts, and Design 3 h
CCS 101 can be used to satisfy 3 credit hours of the humanities [HU] requirement, the Cultural Awareness [C] area and a TCL elective for the major.

Social-Behavioral Science [SB]
Social-Behavioral Science

Social-Behavioral Science
3 hrs
\%

Natural Science [SQ, SG]
Natural Science

Natural Science
*

Pathway Notes
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of C or greater.

Special Requirements
Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Transborder Chicana/o \& Latina/o Studies (Concentrations in: Transborder Community Development and Health, US and Mexican Regional Immigration Policy \& Economy, or Media and Expressive Culture) BA

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]

Historical or Global Awareness [H] or [G]

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
\(0-3\) hrs

COM 110: Interpers
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.
\begin{tabular}{|c|c|c|}
\hline Additional Lower Division & & \\
\hline Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV. & 0-16 hrs & Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. TCLS majors are expected to fulfill the college's language requirement in Spanish prior to transfer. In additional, all majors must demonstrate proficiency in Spanish by passing an upper division Spanish course. \\
\hline Lower Division Elective & 0-25 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. \\
\hline
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Urban Planning, BSP Pathway
2018-2019
ASU Major: Urban Planning, BSP | College of Liberal Arts and Sciences
\end{abstract}

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL

ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry [L]3 hrs

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarante admission to the Urban Planning B.S.P. degree program
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics

GIS 205: Geographic Information
Technologies
Humanities, Arts, and Design [HU]
SSH 111: Sustainable Cities
Humanities, Arts, and Design [HU]
\begin{tabular}{l} 
Social-Behavioral Science [SB] \\
Social-Behavioral Science [SB]
\end{tabular}
\begin{tabular}{lll} 
Social-Behavioral Science [SB]
\end{tabular}
\begin{tabular}{lll} 
Natural
\end{tabular}
\begin{tabular}{l} 
SSH 111 can be used to satisfy the Global \\
Awareness requirement (G) and either a \\
humanities (HU) or a social-behavioral (SB) \\
requirement.
\end{tabular}
Natural Science [SQ, SG]


\title{
COM 100: Introduction to Human 0-3 hrs \\ Communication or \\ COM 110: Interpersonal Communication or \\ COM 225: Public Speaking or \\ COM 230: Small Group Communication
}
CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
SCT 100: Introduction to Sustainable Built Environments

Lower Division Elective
\(0-3\) hrs

This requirement may be completed after transfer to ASU.
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Total Required Credits: 60

\section*{Pathway Agreement}

\begin{abstract}
Maricopa Community College District
Women and Gender Studies, BA Pathway
2018-2019
\end{abstract}

ASU Major: Women and Gender Studies, BA | College of Liberal Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL
ENG 102: First-Year Composition or
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry 3 hrs \%

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for the MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Women and Gender Studies B.A. degree program.
Mathematical Studies [MA, CS]
MAT 140: College Mathematics or
MAT 141: College Mathematics or
MAT 142: College Mathematics
Computer/Statistics/Quantitative Applications
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Humanities, Arts, and Design [HU]
Social-Behavioral Science [SB]
WST 100: Women and Society
Social-Behavioral Science
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science &  & Select at least one SQ within the Natural Science requirement. The other course must be SQ or SG. \\
\hline Natural Science & 4 hrs & Select at least one SQ within the Natural Science requirement. The other course must be SQ or SG. \\
\hline
\end{tabular}

General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C] 0 hrs 3 hrs [C] satisfied by WST 100 .

Historical or Global Awareness [H] or [G]
\(0-3\) hrs 3 hrs [G] satisfied by ASB 211
General Education Awareness Areas [C, H, G]
Cultural Diversity in the U.S. [C]
Historical or Global Awareness [H] or [G]

\title{
COM 100: Introduction to Human \\ Communication or \\ COM 110: Interpersonal Communication or \\ \(0-3\) hrs \\ COM 225: Public Speaking or \\ COM 230: Small Group Communication
}

CRE 101: College Critical Reading \(0-3\) hrs Complete CRE 101 or equivalent.

Additional Lower Division Requirements
\(\left.\begin{array}{lll}\text { WST Elective } & 3 \text { hrs } & \begin{array}{l}\text { Students may select one course that transfers to } \\ \text { ASU as a direct equivalency or a departmental } \\ \text { elective (DEC) in the WST prefix. }\end{array} \\ \text { Related Women Studies Course } & 3 \text { hrs } \\ \begin{array}{l}\text { Lower Division Select one courses (3 credit } \\ \text { hours) that transfer to ASU as course equivalent } \\ \text { or department elective (DEC) in WST prefix; or } \\ \text { select one of the following courses: ENH 284, }\end{array} \\ \text { ENH 285, HIS 201, HUM 209, PSY 235, REL } \\ \text { 290, SOC 264, SOC 212, WST 209, or WST } \\ \text { 290. }\end{array}\right]\)

Total Required Credits: 60

\section*{Pathway Agreement}
Maricopa Community College District
Women and Gender Studies, BS Pathway
2018-2019

ASU Major: Women and Gender Studies, BS | New College of Interdisciplinary Arts and Sciences

\section*{Pathway Requirements}

First Year Composition [FYC]
ENG 101: First-Year Composition or
ENG 107: First-Year Composition for ESL ©
ENG 102: First-Year Composition or 3 hrs
ENG 108: First-Year Composition for ESL

Literacy and Critical Inquiry [L] Literacy and Critical Inquiry

\section*{3 hrs} \%

\section*{Pathway Notes}
2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of \(C\) or greater.

\section*{Special Requirements}

Completion of the MAPP and all special requirements satisfies the requirements for MCCCD Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Women \& Gender Studies B.S. degree program.

Mathematical Studies [MA, CS]
MAT 140: College Mathematics
MAT 141: College Mathematics or
MAT 142: College Mathematics

PSY 230: Introduction to Statistics 3 hrs

Humanities, Arts, and Design [HU]
Humanities and Fine Arts

E

Social-Behavioral Science [SB]
WST 100: Women and Society

PSY 101: Introduction to Psychology

\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Natural Science [SQ, SG]} \\
\hline Natural Science &  & Select at least one SQ within the Natural Science requirement. The other course must be SQ or SG. \\
\hline Natural Science &  & Select at least one SQ within the Natural Science requirement. The other course must be SQ or SG. \\
\hline \multicolumn{3}{|l|}{General Education Awareness Areas [C, H, G]} \\
\hline Cultural Diversity in the U.S. [C] &  & Met by WST 100 \\
\hline Historical or Global Awareness [H] or [G] 0-3 hrs & & \\
\hline
\end{tabular} SQ or SG.

Cultural Diversity in the U.S. [C

Historical or Global Awareness [H] or [G]

3 hrs

COM 100: Introduction to Human
Communication or
COM 110: Interpersonal Communication or
COM 225: Public Speaking or
COM 230: Small Group Communication
CRE 101: College Critical Reading 0-3 hrs Complete CRE 101 or equivalent.
\begin{tabular}{ll}
\begin{tabular}{l} 
Additional Lower Division Requirements \\
Lower Division Women Studies Elective
\end{tabular} & \(\mathbf{3 ~ h r s}\)
\end{tabular} \begin{tabular}{l} 
Select one course that transfers to ASU with the \\
WST prefix
\end{tabular}

Total Required Credits: 60

\section*{Pathway Agreement}

\section*{Arizona Western College \\ Criminology and Criminal Justice, BS Pathway}

2018-2019
ASU Major: Criminology and Criminal Justice, BS | College of Public Service and Community Solutions

\section*{Pathway Requirements}

\section*{English Composition}
ENG 101: Freshman Composition I

ENG 102: Freshman Composition II

\section*{Mathematics}

MAT 142: College Mathematics with Applications

Arts \& Humanities
Arts \& Humanities

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of C or greater.

\section*{Special Requirements}

Completion of the TAG and all special requirements satisfies the requirements for Arizona Western College Associate of Arts degree in Administration of Justice and AGEC-A, meets major map requirements at ASU and guarantees admission to the Criminal Justice \& Criminology B.S. degree program.

Social and Behavioral Sciences
AJS 225: Criminology/GE

Social \& Behavioral Sciences

Physical \& Biological Sciences

Physical \& Biological Sciences
8 hrs
\(\square\)

Additional Courses

Additional Courses

Additional Lower Division Requirements
AJS 101: Introduction to Administration of Justice

AJS 109: Substantive Criminal Law

AJS 201: Crim. Just. Crime Control P\&P course based on the Course Equivalency 201. This must be completed prior to transfer.

AJS 230: Police Function

AJS 240: Correction Function

PED 120: Leisure and Quality of Life or SOC 250: Introduction to Social Work

ASU Criminal Justice \& Criminolog
requires 9 credit hours ( 3 courses) to fulfil he interdisciplinary requirement. One or
Arizona We courses may be taken a
Arizona Western College. The remaining

Total Required Credits: 60

\section*{Pathway Agreement}

\title{
Arizona Western College \\ Interdisciplinary Studies (Organizational Studies), BA Pathway \\ 2018-2019
}

ASU Major: Interdisciplinary Studies (Organizational Studies), BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
\(\left.\begin{array}{lll}\text { Arizona Western AGEC } & 35 \text { hrs } & \begin{array}{l}\text { Complete courses to complete the Arizona } \\ \text { Western Arizona General Education }\end{array} \\ \text { Curriculum (AGEC) based on your }\end{array}\right\}\)

\footnotetext{
Total Required Credits: 75
}

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of C or greater.

\section*{Special Requirements}

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC) certified on their transcript and must have their Associate Degree (AA, AB, or AS) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) B.I.S. degree program.

\section*{Pathway Agreement}
Arizona Western College

\section*{Pathway Requirements}

\section*{English Composition}
ENG 101: Freshman Composition/GE
ENG 102: Freshman Composition/GE
Mathematics
MAT 142: College Math With App/GE or
MAT 151: College Algebra: Standard/GE or
MAT 187: Precalculus/GE
MAT 270: Applied Statistics/GE or
PSY 230: Statistics for Social Sciences
PSY 101: Introduction to Psychology/GE

Physical and Biological Sciences

\begin{tabular}{l} 
BIO 201: Anatomy and Physiology I \\
BIO 205: Microbiology/GE \\
\begin{tabular}{lr} 
FAS 238: Human Development/GE or \\
PSY 238: Human Development/GE
\end{tabular} \\
\begin{tabular}{l}
4 hrs \\
NUR 117: Pharmacology with Clinical Calculations \\
NUR 121: Nursing I \\
NUR 122: Nursing II
\end{tabular} \\
\hline
\end{tabular}

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Arizona Western-ASU RN-BSN Pathway Program and the special requirements satisfies the requirements for Arizona Western College Associate of Applied Science degree, satisfies lower division RN to BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN to BSN program.

Special Requirements:
A grade of "C" or better in each course and a minimum 2.5 cumulative GPA in the following courses is required for guaranteed admission: ENG 101, ENG 102, BIO 201, BIO 202, BIO 205, CHM 130 or 151 with lab and PSY 101. In addition, students must complete the courses that meet the listed general studies requirements with a grade of "C" or better. These courses are not included in the 2.5 cumulative GPA computation. All remaining courses must be completed with a grade of " C " or better.

Upon Transfer to ASU: Students must have a current RN license in good standing before taking the courses in the RN-BSN program. While waiting for NCLEX-RN test results, students may take Upper Division/ General Studies courses, if needed. All additional ASU General Studies requirements can be completed while enrolled in the RNBSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU.

While the pathway requirements total 77-79 credits, there are only 75 maximum transferable credit hours; the excess hours will not transfer. ASU will accept up to 90 transfer credit hours for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information:
https://transfer.asu.edu/credits
A Concurrent Enrollment Program (CEP) is also available to Arizona Western College students. The Concurrent Enrollment Program (CEP) is designed for qualified nursing students who are interested in earning their Bachelor of Science in nursing while simultaneously pursuing their AAS in nursing. Selected students will be enrolled at Arizona Western College and Arizona State University concurrently. RN to BSN courses taken at ASU will be delivered in an online format. Students should speak with their advisor at Arizona Western College for more information on how to select the CEP option.

NUR 221: Nursing 3

NUR 222: Nursing 4

Additional AAS Coursework

Arts and Humanities

8 hrs

\section*{8 hrs}

2 hrs \(\begin{aligned} & \text { Refer to AWC course catalog for course } \\ & \text { options. }\end{aligned}\)

3 hrs

Total Required Credits: 76

\section*{Pathway Agreement}


Physical \& Biological Sciences

\section*{Additional Courses}
CIS 105: Introduction to Business Information Systems

SPC 215: Public Speaking/GE
If you have selected a science area to teach, combine your chosen science subject with these requirements.

Global or Historical Awareness

Cultural Awareness and

\section*{lobal Awareness and}

Historical Awareness
\(0-9 \mathrm{hrs}\)
If you have selected history or English as a with history or English classes

\section*{Pathway Notes}

Special Require

\section*{Special Requirements}

The ASU and Arizona Western College (AWC) partnership is a pathway that allows students to complete the ASU Transfer Admission Guarantee (TAG) in Secondary the requirements for AWC's Associate of Arts degree (AA) and the lower-division requirements for the ASU Secondary ation Bachelors of Arts in Education (BAE). Upon eompletion of the TAG, students will complete the remaining requirements for ASU's Secondary Education at Arizona Western College. Visit https://transfer.asu.edu/eac for more information about Special Requirements: 2.5 GPA in coursework used to
 with a grade of "C" or better. Only 64 credits are transferable to ASU.

ASU Major: Secondary Education, BAE | Mary Lou Fulton Teachers College

\section*{Social and Behavioral Sciences}
ECE 240: Child Growth and Development/GE

HIS 121: History of U.S. to \(1865 / G E\)

Physical \& Biological Sciences

History or English content areas, combin these requirements with your selected WI courses.

\section*{Pathway Requirements}

EDU 110: Introduction to Education

EDU 222: Intro to Special Education

POS 221: Arizona Constitution and Government and POS 222: National Constitution and Government

EDU 210: Cultural Diversity in Education

Lower Division Track Course Track titles are located in the comments section

Total Required Credits: 63

\section*{Track/Groups}

\section*{Lower Division Track Course}

\section*{Lower Division Track Course}

BIO 181: General Biology (Majors) I/GE AND
Biology Track Courses
BIO 182: General Biology (Majors) II AND
BIO 205: Microbiology/GE AND
BIO Lower Division Elective

\section*{Lower Division Track Course}

CHM 151: General Chemistry I/GE AND
Chemistry Track Courses
CHM 152: General Chemistry II/GE AND
CHM 235: Organic Chemistry I AND
CHM 236: Organic Chemistry II

\section*{Lower Division Track Course}

ENG 241: English Literature to 1800/GE AND
English Track Course
ENG 242: English Literature 1800 to Present AND
ENG 251: American Literature to 1860 AND
ENG 252: American Literature 1860 to Present AND
ENG 2** Elective

\section*{Lower Division Track Course}

PHY 111: COLLEGE PHYSICS I or
General Science Track Courses
PHY 112: COLLEGE PHYSICS II and
GLG 101: Introduction to Geology 1 (Physical) and
GLG 102: Introduction to Geology 2 (Historical) and
BIO 201: Anatomy and Physiology I and
BIO 181: General Biology (Majors) I and
BIO 182: General Biology (Majors) II and
CHM 152: General Chemistry II
CHM 152. General Chemistry II

\section*{ower Division Track Course}

HIS 111: World History Since 1500 and
HIS 121: History of U.S. to 1865 and
HIS 122: History of U.S. from 1865 and HIS 240: Western Civilization 1 or
HIS 241: Western Civilization 2

History Track Courses

\section*{Lower Division Track Course}

MAT 220: Calculus I with Analytic Geometry AND
Math Track Courses
MAT 230: Calculus II with Analytic Geometry AND
MAT 241: Calculus III With Analytic Geometry AND
MAT Lower Division Elective

\section*{Lower Division Track Course}

PHY 111: COLLEGE PHYSICS I and
PHY 112: COLLEGE PHYSICS II and
PHY 121: MECHANICS and
PHY 131: Electricity and Magnetism

\section*{Pathway Agreement}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Central Arizona College} \\
\hline \multicolumn{4}{|l|}{Nursing, BSN Pathway} \\
\hline \multicolumn{4}{|l|}{2018-2019} \\
\hline \multicolumn{4}{|l|}{ASU Major: Nursing, BSN | College of Nursing and Health Innovation} \\
\hline \multicolumn{3}{|l|}{Pathway Requirements} & Pathway Notes \\
\hline & & & There are no notes for this pathway \\
\hline \multicolumn{4}{|l|}{Written Communications} \\
\hline ENG 101: English Composition III & 3 hrs & & Special Requirements \\
\hline ENG 102: English Composition IV & (0)
3 hrs
0 & & Completion of the Central Arizona College - ASU RN-BSN Pathway Program and the special requirements satisfies the requirements for Central Arizona College Associate of Applied Science degree, satisfies lower division RN to BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN to BSN program. \\
\hline Mathematics & & & \multirow[t]{4}{*}{\begin{tabular}{l}
Special Requirements: \\
A grade of "C" or better in each course and a minimum 2.5 cumulative GPA in the following courses is required for guaranteed admission: ENG 101, ENG 102, BIO 201, BIO 202, BIO 205, CHM 130 with lab and PSY 101. In addition, students must complete the courses that meet the listed general studies requirements with a grade of "C" or better.
\end{tabular}} \\
\hline MAT 141: College Mathematics OR & 4-5 hrs & May be satisfied by any course that transfers to ASU with a MA designation as & \\
\hline MAT 151: College Algebra Standard OR & (2) & shown in the Course Equivalency Guide & \\
\hline \multicolumn{3}{|l|}{MAT 187: Pre-Calculus (CEG).} & \\
\hline BUS 208: Business Statistics OR & \multicolumn{2}{|l|}{3 hrs} & These courses are not included in the 2.5 cumulative GPA computation. All remaining courses must be completed \\
\hline PSY 230: Intro to Statistics OR & (2) & & computation. All remaining courses must be completed with a grade of "C" or better. \\
\hline \multicolumn{3}{|l|}{} & \multirow[t]{3}{*}{Upon Transfer to ASU: Students must have a current RN license in good standing before taking the courses in the RN-BSN program. While waiting for NCLEX-RN test results, students may opt to take Upper Division/ General Studies courses, if needed. All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU.} \\
\hline Arts \& Humanities & & & \\
\hline Arts \& Humanities & \multicolumn{2}{|l|}{3 hrs} & \\
\hline \multicolumn{4}{|l|}{Social \& Behavioral Sciences from ASU.} \\
\hline PSY 101: Introduction to Psychology & 3 hrs
(0) & & The pathway requirements allow 75 maximum transferable credit hours; the excess hours will not transfer. ASU will accept up to 90 transfer credit hours for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability \\
\hline Physical \& Biological Sciences & & & of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible \\
\hline BIO 202: Human Anatomy/Physiology II & 4 hrs
(0) & & for working with their advisor to confirm all transfer transcripts are on file with ASU. \\
\hline
\end{tabular}

BIO 205: Microbiology and
BIO 205: Microbiology

Additional Lower Division Requirements

BIO 201: Human Anatomy/Physiology I

CHM 130: Fundamental Chemistry

NUR 121: Introduction to Nursing Transitions

\section*{Pathway Notes}
are no notes for this pathway

\section*{Special Requirements}

Pathway Progran and the spizial Pathway Program and the special requirements satisfies Applied Science degree, satisfies lower division RN to BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN to BSN program.

A grade of "C" or better in each course and a minimum 2.5 cumulative GPA in the following courses is required for 2. 202, BIO 205, CHM 130 with lab and PSY 101. In addition, general studies requirements with a grade of "C" or better general studies requirements win a grade of \(C\) or better. computation. All remaining courses must be completed with a grade of "C" or better.

Upon Transfer to ASU: Students must have a current RN license in good standing before taking the courses in the
 resuks, students may opt to take Upper Division/ Genera Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU

The pit hours; the credit hours; the excess hours will not transfer. ASU will accept up to 90 transfer credit hours for traditional course work you have successfully completed at regionally ccredited institutions of higher education. The applicability requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible transcripts are on file with ASU.

Central Arizona College

Nursing, BSN Pathway

ASU Major: Nursing, BSN | College of Nursing and Health Innovation

\section*{Pathway Requirements}

\section*{atics}

Social \& Behavioral Sciences

May be satisfied by any course that transfers to ASU with a MA designation as shown in the Course Equivalency Guide (CEG).

NUR 126: Principles and Application of Drug Dosage
Calculations

NUR 145: Pathopharmacology

NUR 200: Advanced Medical Terminology for Clinical Nurses
2 hrs

NUR 221: Nursing Develpmental Transition

NUR 222: Nursing in Organization Transitions

\section*{Arizona State UNIVERSITY}

\section*{Pathway Agreement}


\footnotetext{
Total Required Credits: 75
}

ARIZONA STATE UNIVERSITY

\section*{Pathway Agreement}

\title{
Cochise College \\ Interdisciplinary Studies (Organizational Studies), BA Pathway \\ 2018-2019
}

ASU Major: Interdisciplinary Studies (Organizational Studies), BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Electives
\begin{tabular}{|c|c|c|}
\hline Cochise AGEC & \begin{tabular}{l}
35 hrs \\
[
\end{tabular} & Complete courses to complete the Cochise Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition. \\
\hline COM 102: Essentials of Communication & \begin{tabular}{l}
3 hrs \\
(a)
\end{tabular} & Satisfies ASU's prerequisite requirement for SOC 352/COM 312. \\
\hline Lower Division Elective & 37 hrs & Select courses that transfer as direct equivalencies, Departmental Elective credit (DEC), or Elective credit (E) from the Course Equivalency Guide. \\
\hline
\end{tabular}

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better

\section*{Special Requirements}

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC) certified on their transcript and must have their Associate Degree (AA, AAEE, AB, or AS) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) B.I.S. degree program.

\section*{Pathway Agreement}

\section*{Cochise College \\ Liberal Studies, BA Pathway}

2018-2019

ASU Major: Liberal Studies, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Electives
Cochise College AGEC

COM 102: Essentials of Communication or COM 110: Public Speaking or
COM 270: Interpersonal Communications or
COM 271: Communications in Small Group

Lower Division Elective
40 hrs

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better

\section*{Special Requirements}

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Liberal Studies, BLS degree program. The BLS program is available Online and allows students to transfer up to 75 credit hours.

\section*{Pathway Agreement}

\author{
Cochise College \\ Nursing, BSN Pathway \\ 2018-2019
}

ASU Major: Nursing, BSN | College of Nursing and Health Innovation

\section*{Pathway Requirements}

\section*{Composition}
ENG 101: Composition or
ENG 101A: Composition - Flex A or
ENG 101B: Composition - Flex B

ENG 102: English Composition or
ENG 102H: English Composition
Mathematics
MAT 142: Survey of College Mathematics OR

MAT 151: College Algebra

\section*{Social \& Behavioral Sciences}
PSY 101: Introduction to Psychology 3 hrs

Laboratory Sciences
CHM 130: Fundamental Chemistry or
CHM 138: Chemistry for Allied Health
BIO 202: Human Anatomy \& Physiology II
Additional Lower Division Requirements

BIO 201: Human Anatomy \& Physiology I
The mathematics requirement may be satisfied by any course that transfers to ASU with an MA designation as shown in the Course Equivalency Guide (CEG)

4 hrs

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Cochise College-ASU RN-BSN Pathway Program and the special requirements satisfies the requirements for Cochise College Associate of Applied Science degree, satisfies lower division RN to BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN to BSN program.

Special Requirements: A grade of "C" or better in each course and a minimum 2.5 cumulative GPA in the following courses is required for guaranteed admission: ENG 101, ENG 102, BIO 201, BIO 202, BIO 205, and CHM 130 with lab. In addition, students must complete the courses that meet the listed general studies requirements with a grade of "C" or better. These courses are not included in the 2.5 cumulative GPA computation. All remaining courses must be completed with a grade of C or better.

Upon transfer to ASU: Students must have a current RN license in good standing before taking the courses in the RN-BSN program (TWC/NUR).

All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU.

ASU will accept up to 75 transfer credit hours from an Arizona community college for the BSN. ASU will accept up to 90 transfer credit hours for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU.

BIO 205: Microbiology

FON 201: Applied Nutrition

MAT 167: Elements of Statistics OR 3 hrs
BUS 219: Business Statistics

NUR 121A: Medication Math I

NUR 121B: Medication Math II

Total Required Credits: 74

\section*{Pathway Agreement}

\title{
Organizational Leadership, BA Pathway
}

2018-2019
ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{Cochise College} \\
\hline \multicolumn{3}{|l|}{Organizational Leadership, BA Pathway} \\
\hline \multicolumn{3}{|l|}{2018-2019} \\
\hline \multicolumn{3}{|l|}{ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts} \\
\hline \multicolumn{3}{|l|}{Pathway Requirements} \\
\hline \multicolumn{3}{|l|}{Additional Lower Division Electives} \\
\hline Cochise College AGEC & 35 hrs & Complete courses to complete the Cochise College Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition. \\
\hline BUS 127: Leadership and Supervision or BUS 143: Principles of Management & 3 hrs & These courses satisfy ASU's OGL 200 \\
\hline BUS 201: Financial Accounting or BUS 202: Managerial Accounting & \begin{tabular}{l}
3 hrs \\
(a)
\end{tabular} & These courses satisfy ASU's OGL 260 requirement. \\
\hline PSY 210: Social Psychology & 3 hrs & This course satisfies ASU's OGL 220 requirement \\
\hline Lower Division Elective & 31 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. OGL 200 and 220 will need to be taken after transfer. \\
\hline
\end{tabular}

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better

\section*{Special Requirements}

Students must complete the TAG and all specia requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA degree program.

\section*{Pathway Agreement}

\title{
Coconino County Community College \\ Interdisciplinary Studies (Organizational Studies), BA Pathway \\ 2018-2019
}

ASU Major: Interdisciplinary Studies (Organizational Studies), BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
courses to complete the Coconino Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition. DEC), or Elective credit (E) from the Course Equivalency Guide.

\section*{Pathway Notes}

All courses must be completed with a grade of " C " or better. Students must complete the TAG with a 2.0 cumulative GPA.

\section*{Special Requirements}

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC) certified on their transcript, and must have their Associate degree (AA, AB, AFA, or AS) completed and noted on their transcript. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) B.I.S. degree program.

\section*{Pathway Agreement}

\section*{Coconino County Community College}

\section*{Liberal Studies, BA Pathway}

2018-2019
ASU Major: Liberal Studies, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements

Coconino County CC AGEC

Lower Division Elective

Complete courses to complete the Coconino County CC General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition.

\section*{Pathway Notes}

All courses must be completed with a grade of "C" or better. Students must complete the TAG with a 2.0 cumulative GPA.

\section*{Special Requirements}

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Liberal Studies, BLS degree program. The BLS program is available Online and allows students to transfer up to 75 credit hours.

\section*{Arizona State UNIVERSITY}

\section*{Pathway Agreement}


Additional Lower Division Requirements

BIO 201: Human Anatomy \& Physiology I
4 hrs

Total Required Credits: 71

\section*{Pathway Agreement}
Coconino County Community College

2018-2019

ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
\begin{tabular}{l|l|l} 
Coconino College AGEC & 35 hrs & \begin{tabular}{l} 
Complete courses to complete the \\
Coconino College Arizona General \\
Education Curriculum (AGEC) based on \\
your Associate's degree. A completed \\
AGEC satisfies lower division general \\
studies and first year composition.
\end{tabular} \\
BUS 216: Principles of Business Finance & 3 hrs & \begin{tabular}{l} 
This course satisfies ASU's OGL 260 \\
requirement.
\end{tabular} \\
LDR 201: Basic Leadership & 3 hrs & \begin{tabular}{l} 
This course satisfies ASU's OGL 200 \\
requirement.
\end{tabular} \\
Lower Division Elective & \begin{tabular}{l} 
Lower Division Electives should be \\
completed once all other requirements have \\
been met and only if needed to complete \\
community college's associate degree
\end{tabular} \\
requirements. OGL 220 will need to be \\
taken after transfer.
\end{tabular}

\section*{Pathway Notes}

All courses must be completed with a grade of "C" or better. Students must complete the TAG with a 2.0 cumulative GPA.

\section*{Special Requirements}

There are no special requirements for this pathway

\section*{Pathway Agreement}

\title{
Dine College \\ Organizational Leadership, BA Pathway \\ 2018-2019
}

ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
\begin{tabular}{|c|c|c|}
\hline Dine College AGEC & 29 hrs & Complete courses to complete the Dine College Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition. \\
\hline NAV 101: Navajo as a Second Language I and NAV 102: Navajo as a Second Language II OR & 6-8 hrs & \\
\hline \multicolumn{3}{|l|}{NAV 211: Navajo Literacy for Speakers I and NAV 212: Navajo Literacy and Grammar for Speakers II} \\
\hline MGT 340: Organizational Behavior & 3 hrs & This course satisfies ASU's OGL 220 requirement. \\
\hline \multirow[t]{2}{*}{NIS 111: Foundations of Navajo Culture} & 3 hrs & \\
\hline & - & \\
\hline MGT 460: Tribal Leadership Challenges & 3 hrs & This course satisfies ASU's OGL 200 requirement. \\
\hline NIS 221: Navajo History to Present & 3 hrs & \\
\hline Lower Division Elective & 26-28 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. OGL 260 will need to be taken after transfer. \\
\hline
\end{tabular}

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of \(C\) or better.

\section*{Special Requirements}

There are no special requirements for this pathway

\section*{Pathway Agreement}

\title{
Eastern Arizona College \\ Interdisciplinary Studies (Organizational Studies), BA Pathway \\ 2018-2019
}

ASU Major: Interdisciplinary Studies (Organizational Studies), BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
\begin{tabular}{lll} 
Eastern Arizona AGEC & \begin{tabular}{l} 
A completed AGEC satisfies lower division \\
general studies and first year composition.
\end{tabular} \\
COM 200: BASIC COMMUNICATION THEORY & 35 hrs
\end{tabular}

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

\section*{Special Requirements}

Students must complete the TAG and all specia requirements, must have the Arizona General Education Curriculum (AGEC) certified on their transcript, and must have their associate degree (AA, AB, AS, or AGS) completed and noted on their transcript. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) B.I.S. degree program.

\section*{Pathway Agreement}
Eastern Arizona College
Liberal Studies, BA Pathway
2018-2019
ASU Major: Liberal Studies, BA | College of Integrative Sciences and Arts
Pathway Requirements
Additional Lower Division Requirements
Eastern Arizona College AGEC
COM 100: INTRO TO HUMAN COMMUNICATION
Lower Division Elective

\title{
Liberal Studies, BA Pathway
}

2018-2019
ASU Major: Liberal Studies, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better

\section*{Special Requirements}

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Liberal Studies, BLS degree program. The BLS program is available Online and allows students to transfer up to 75 credit hours.

\section*{Arizona State UNIVERSITY}

\section*{Pathway Agreement}


Total Required Credits: 77

\section*{Arizona State UNIVERSITY}

\section*{Pathway Agreement}
Eastern Arizona College
Organizational Leadership, BA Pathway
2018-2019
ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts
Pathway Requirements
Additional Lower Division Requirements
Eastern Arizona College AGEC

\title{
Organizational Leadership, BA Pathway
}

2018-2019
ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements

BUA 151: SCHEDULING AND COST ESTIMATIN or BUS 221: HUMAN RESOURCE MANAGEMENT or
251: Human Relations or
BUS 261: FUNDAMENTALS OF INVESTING been met and only if needed to complete community college's associate degree equirements.

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

\section*{Special Requirements}

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA degree program.

\section*{Pathway Agreement}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Eastern Arizona College} & Print \\
\hline \multicolumn{4}{|l|}{Secondary Education, BAE Pathway} \\
\hline \multicolumn{4}{|l|}{2018-2019} \\
\hline \multicolumn{4}{|l|}{ASU Major: Secondary Education, BAE | Mary Lou Fulton Teachers College} \\
\hline \multicolumn{3}{|l|}{Pathway Requirements} & Pathway Notes \\
\hline \multicolumn{3}{|l|}{English} & Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of " C " or better. \\
\hline \multirow[t]{2}{*}{ENG 101: WRITTEN COMMUN I} & \multicolumn{3}{|l|}{3 hrs} \\
\hline & (2) & & Special Requirements \\
\hline ENG 102: WRITTEN COMMUN II & \[
\begin{array}{r}
3 \mathrm{hrs} \\
\text { a }
\end{array}
\] & & The ASU and Eastern Arizona College (EAC) partnership is a pathway that allows students to complete the ASU Transfer Admission Guarantee (TAG) in Secondary Education, a prescribed sequence of courses that meets the requirements for EAC's Associate of Arts degree (AA) \\
\hline Mathematics & & & and the lower-division requirements for the ASU Secondary Education Bachelors of Arts in Education (BAE). Upon completion of the TAG, students will complete the \\
\hline \begin{tabular}{l}
MAT 140: COLLEGE MATHEMATICS or \\
MAT 154: COLLEGE ALGEBRA or \\
MAT 220: CALCULUS I
\end{tabular} & 4 hrs
(2) & & remaining requirements for ASU's Secondary Education BAE at Eastern Arizona College on the Thatcher campus. Visit https://transfer.asu.edu/eac for more information about ASU degrees offered at EAC Thatcher campus. Applicants must have completed the TAG agreement and earned an \\
\hline Humanities & & & associate degree for acceptance to the BEA at EAC. \\
\hline Humanities & 6 hrs - & Select at least two courses from at least two different departments. One course must be from the Fine Arts. & Special Requirements: 2.5 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better. Only 64 credits are transferable to ASU. \\
\hline
\end{tabular}

Social Science

EDU 200: INTRO TO EDUCATION
3 hrs
\(\square\)

HIS 101: U. S. HISTORY I and

PSY 101: INTRO TO PSYCHOLOGY

Lab Science

> Lab Science

Intensive Writing/Critical Inquiry
```

ENG 201: WORLD LITERATURE I or
ENG 202: WORID LITERATURE or
ENG 217: WRITING REFLECTIVE ESSAYS or
ENG 218:WRTG ABT LITERATURE or
ENG 218: WRTG ABT LITERATURE or
ENG 222: ENGLISH LIT II or
ENG 241: AMERICAN LIT I or
ENG 242: AMERICAN LIT II or
PSY 270: EXPERMNTL PSYCHOLOGY or
SPC 201: PUBLIC SPEAKING or
COM 201: PUBLIC SPEAKING

```

3 hrs
Fulfills Intensive Writing requirement.
,

Select at least two course from the Fine Arts. satisfy TAG requirements. All courses must be completed transferable to ASU.

Additional Lower Division Requirements
CMP 103: INTRO COMP BASED SYS
EDU 222: INTRO TO SPECIAL EDUCATION
EDU 230: CULTURAL DIVERSITY IN EDUCATION
Track Requirements

Total Required Credits: 61

\section*{Track/Groups}

\section*{Track Requirements}

\section*{Track Requirements}

Track Requirement

BIO 181: General Biology I and
BIO 182: General Biology II and
CHM 151: General Chemistry I and
CHM 152: General Chemistry II and
GLG 101: Physical Geology and
PHY 111: General Physics

General Science track courses (complete
all)

HIS 101:
1877 and and
HIS 104: W estern Civilization I: Ancient Near East to 1648 and HIS Elective

Track Requirements
MAT 220: CALCULUS I and
MAT 230: CALCULUS II and
MAT 240: CALCULUS III and
Math Elective and
Math Elective
Math Track Courses (complete all)

CHM 151: GENERAL CHEMISTRY I and CHM 152: GENERAL CHEMISTRY II and CHM 235: GEN RRGANIC CHEM I a
CHM 236: GEN ORGANIC CHEM II

BIO 181: GENERAL BIOLOGY I and
BIO 182: GENERAL BIOLOGY II and
BIO 226: ECOLOGY and
Biology Elective
Track Requirements
Chemistry Track Courses (complete all)

Track Requirements
Biology Track (complete all)

Track Requirements
ENG 221: ENGLISH LITERATURE I and
ENG 222: ENGLISH LIT II and
ENG 241: AMER
English Elective
Cnemistry track Courses (comprete all)
2.

Track Requirements
PHY 111: General Physics I and
PHY 211: Physics with Calculus I and
PHY 212: Physics with Calculus II

Physics Track courses (complete all)

\section*{Pathway Agreement}


BIO 205: MICROBIOLOGY WITH LAB 4 hrs

Additional Lower Division Requirements
NUR 121: NURSING I

NUR 122: NURSING II

NUR 221: NURSING III

NUR 222: NURSING IV

\section*{Pathway Notes}
are no notes for this paknway

\section*{Special Requirements}

Completion of the RN-BSN Pathway Program and all special requirements earns Mohave Community College Associate of Applied Science degre, satisies lowe of all application materials, guarantees admission to the ASU RN to BSN program.

Special Requirements:
And a minimum 2.5 cumulative GPA in the following courses is required for guarant 205, CHM 130 with lab, and PSY tudents must complete the courses that meet the listed These courses are not included in the 25 cumulative GPA computation. All remaining courses must be completed license in good standing before taking the course in the RN-BSN program (TWC/NUR).

All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other completed prior to graduation from ASU

ASU will accept up to 75 transfer credit hours from an Arizona community college for the BSN. ASU will accept up to 90 transfer credit hours for traditional course work you ave successfully completed at regionally accredited institutions of higher education. The applicability of the requirements of the department, division, college or school in which you are enrolled at ASU. Students are responsible transcripts are on file with ASU

\section*{Pathway Agreement}

\title{
Mohave Community College \\ Organizational Leadership, BA Pathway
}

2018-2019
ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
```

Mohave AGEC

```

Lower Division Electives

35 hrs
A completed AGEC satisfies lower division
general studies and first year composition

ASU OGL 220 will be met by upper division courses taken after transfer. Select courses that transfer as direct equivalencies, Departmental Elective credit (DEC), o Elective credit ( E ) from the Course Equivalency Guide

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of \(C\) or better.

\section*{Special Requirements}

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA degree program.

\section*{Pathway Agreement}
Northland Pioneer College
Interdisciplinary Studies (Organizational Studies), BA Pathway

2018-2019

ASU Major: Interdisciplinary Studies (Organizational Studies), BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements

Lower Division Northland Pioneer AGEC

SPT 110: FUNDAMENTALS OF ORAL COMMUNICATION

Lower Division Elective

Complete courses to complete the Northland Pioneer Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition.

Satisfies ASU's prerequisite requirement for SOC 352/COM 312.

37 hrs Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better

\section*{Special Requirements}

There are no special requirements for this pathway

\section*{Pathway Agreement}

\title{
Northland Pioneer College \\ Liberal Studies, BA Pathway \\ 2018-2019
}

ASU Major: Liberal Studies, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
\begin{tabular}{l|ll} 
Northland Pioneer College AGEC & 35 hrs & \begin{tabular}{l} 
Complete courses to complete the \\
Northland Pioneer College General
\end{tabular} \\
Education Curriculum (AGEC) based on
\end{tabular}

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

\section*{Special Requirements}

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, \(A B, A S\), or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Liberal Studies, BLS degree program. The BLS program is available Online and allows students to transfer up to 75 credit hours.

\section*{Pathway Agreement}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{3}{|l|}{Northland Pioneer College} & Print \\
\hline \multicolumn{4}{|l|}{Nursing, BSN Pathway} \\
\hline \multicolumn{4}{|l|}{2018-2019} \\
\hline \multicolumn{4}{|l|}{ASU Major: Nursing, BSN | College of Nursing and Health Innovation} \\
\hline \multicolumn{3}{|l|}{Pathway Requirements} & Pathway Notes \\
\hline & & & There are no notes for this pathway \\
\hline \multicolumn{4}{|l|}{English} \\
\hline ENL 101: COLLEGE COMPOSITION I & \multicolumn{2}{|l|}{3 hrs} & Special Requirements \\
\hline & (2) & & Completion of the RN-BSN Pathway Program and the special requirements satisfies the requirements for Northland Pioneer College Associate of Applied \\
\hline ENL 102: COLLEGE COMPOSITION II & 3 hrs
(0) & & Science degree, satisfies lower division RN to BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN to BSN program. \\
\hline \multicolumn{3}{|l|}{Mathematics} & \multirow[t]{5}{*}{Special Requirements: A grade of " C " or better in each course and a minimum 2.5 cumulative GPA in the following courses is required for guaranteed admission: ENL 101, ENL 102, BIO 201, BIO 202, BIO 205, CHM 130 with lab, and PSY 240. In addition, students must complete the courses that meet the listed general studies requirements with a grade of " C " or better. These courses are not included in the 2.5 cumulative GPA computation. All remaining courses must be completed with a grade of "C" or better.} \\
\hline MAT 142: COLL MATH/CONTMPORY APPLC OR & \multirow[t]{3}{*}{\begin{tabular}{l}
3 hrs \\
(a)
\end{tabular}} & \multirow[t]{3}{*}{The Mathematics requirement may be satisfied by any course that transfers to ASU with a MA designation as shown in the Course Equivalency Guide.} & \\
\hline MAT 152: ADVANCED ALGEBRA OR & & & \\
\hline MAT 189: PRECALCULUS ALGEBRA/TRIG & & & \\
\hline Social \& Behavioral Sciences & & & \\
\hline PSY 240: DEVELOPMENTAL PSYCHOLOGY & 3 hrs & Concurrently satisfies NPC prerequisites, General Education requirements, and ASU lower division requirements. & Upon transfer to ASU: Students must have a current RN license in good standing before taking the courses in the RN-BSN program (TWC/NUR). \\
\hline \multicolumn{3}{|l|}{Physical \& Biological Sciences} & \multirow[t]{2}{*}{All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU.} \\
\hline BIO 202: HUMAN ANAT \& PHYSIO II & 4 hrs (2) & Concurrently satisfies NPC prerequisites, General Education requirements, and ASU lower division requirements. & \\
\hline CHM 130: FUNDAMENTAL CHEMISTRY & 4 hrs & Concurrently satisfies NPC prerequisites, General Education requirements, and ASU lower division requirements. & Arizona community college for the BSN. ASU will accept up to 90 transfer credit hours for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or school \\
\hline Additional Lower Division Requirements
ANT 102. CULTURAL ANTHROPOLOGY & & & in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. \\
\hline & 3 hrs & & \\
\hline
\end{tabular}
ANT 102: CULTURAL ANTHROPOLOGY
BIO 181: GENERAL BIOLOGY I
MAT 125: INTRO TO STATISTICS OR
PSY 201: INTRO RESEARCH\&STATISTICS or
PSY 230: Introduction to Psychological Statistics
BIO 201: HUMAN ANAT \& PHYSIO I
BIO 205: MICROBIOLOGY
NUR 117: PHARMACOLOGY 118: Pharmacology II

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the RN-BSN Pathway Program and the special requirements satisfies the requirements for Northland Pioneer College Associate of Applied Science degree, satisfies lower division RN to BSN major requirements, and upon receipt of all application materials, res admission to the ASU RN to BSN program.

Special Requirements: A grade of "C" or better in each se and a minim ENL 102, BIO 201, BIO 202, BIO 205, CHM 130 with lab and PSY 240. In addion, students must complete the courses that meet the listed general studies requirements included in the 25 cumulative GPA computation All remaining courses must be completed with a grade of "C" or better.

Upon transfer to ASU: Students must have a current RN license in good standing before taking the courses in the RN-BSN program (TVC/NUR).

All additional ASU General Studies requirements can be requirements are selected by the student and must be

ASU will accept up to 75 transfer credit hours from an Arizona community college for the BSN. ASU will accept up to 90 transfer credit hours for traditional course work you specific course toward a degree depends on the requirements of the department, division, college or school which you are enrolled at ASU. Students are responsible transcripts are on file with ASU.
\begin{tabular}{ll} 
NUR 121: NURSING I & 6 hrs \\
NUR 122: NURSING II & 8 hrs \\
NUR 125: PRACTICAL NURSE COMPLETIN & 2 hrs \\
NUR 221: NURSING III & 8 hrs \\
NUR 222: NURSING IV & 8 hrs
\end{tabular}

Total Required Credits: 74

\section*{A Mrizona State UNIVERSITY}

\section*{Pathway Agreement}
Northland Pioneer College

2018-2019

ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
\begin{tabular}{l|ll} 
Northland Pioneer College AGEC & 35 hrs & \begin{tabular}{l} 
Complete courses to complete the \\
Northland Pioneer College Arizona General \\
Education Curriculum (AGEC) based on \\
your Associate's degree. A completed \\
AGEC satisfies lower division general \\
studies and first year composition.
\end{tabular} \\
BUS 180: ORGANIZATIONAL BEHAVIOR & 3 hrs \\
BUS 230: ORGANIZATIONAL LEADERSHIP & 3 hrs & 3 hrs
\end{tabular}

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better

\section*{Special Requirements}

There are no special requirements for this pathway

\section*{Pathway Agreement}

\title{
Pima Community College \\ Interdisciplinary Studies (Organizational Studies), BA Pathway \\ 2018-2019
}

ASU Major: Interdisciplinary Studies (Organizational Studies), BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
\begin{tabular}{l|l|l} 
Lower Division Pima Community College AGEC & 35 hrs & \begin{tabular}{l} 
A completed AGEC satisfies lower division \\
general studies and first year composition.
\end{tabular} \\
CMN 102: Introduction to Speech Communication & 3 hrs & \begin{tabular}{l} 
Satisfies ASU's prerequisite requirement for \\
SOC 352/COM 312.
\end{tabular} \\
Lower Division Elective & 37 hrs & \begin{tabular}{l} 
Lower Division Electives should be \\
completed once all other requirements have \\
been met and only if needed to complete \\
community college's associate degree
\end{tabular} \\
requirements.
\end{tabular}

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better

\section*{Special Requirements}

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC) certified on their transcript and must have their Associate Degree (AA, AB, or AS) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) B.I.S. degree program.

\section*{Pathway Agreement}
Pima Community College
Liberal Studies, BA Pathway
2018-2019
ASU Major: Liberal Studies, BA | College of Integrative Sciences and Arts
Pathway Requirements
Additional Lower Division Requirements
Pima CC AGEC

Total Required Credits: 75

\section*{Pathway Agreement}
Pima Community College
Nursing, BSN Pathway
2018-2019

ASU Major: Nursing, BSN | College of Nursing and Health Innovation

\section*{Pathway Requirements}

\section*{English Composition}
WRT 101: Writing I or
WRT 107: WRT I NonNative Speak English
WRT 102: Writing II or
WRT 108: WRT II NonNative Speak Englis
Mathematics
MAT 141: Topics in College Mathematics OR
MAT 151: College Algebra

PSY 230: Psych.Measur \& Statistics or
BUS 205: Stat Methods in Economics/Bus or
MAT 167: Introductory Statistics

Social \& Behavioral Sciences

PSY 101: Intro To Psychology

\section*{3 hrs}

Physical \& Biological Sciences

BIO 202IN: Human Anatomy/Physiology II

CHM 130: Fundamental Chemistry or
CHM 130LB: Fundamental Chemistry Lab or
CHM 130LB: Fundamental Chemistry Lab or
CHM 130IN: Fundamental Chemistry

Additional Lower Division Requirements
\begin{tabular}{l} 
BIO 127IN: Human Nutrition \& Biology or \\
FSN 127IN: Human Nutrition and Biology \\
BIO 201IN: Human Anatomy/Physiology I or \\
BIO 201IH: Human Anatomy/Physio Histolog \\
\\
BIO 205IN: Microbiology \\
ECE 107: Human Devel \& Relations or \\
PSY 240: Developmental Psychology \\
NRS 108: Drug Calculations \\
\hline NRS 155: Introduction to Pharmacology \\
\hline
\end{tabular}

\section*{Pathway Notes}

There are no notes for this pathway

\section*{Special Requirements}

Completion of the Pima-ASU RN-BSN Pathway Program and the special requirements satisfies the requirements for Pima Community College Associate of Applied Science degree, satisfies lower division RN-BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN-BSN degree program.

Special Requirements: A grade of "C" or better in each course and a minimum 2.5 cumulative GPA in the following courses is required for guaranteed admission: WRT 101, WRT 102, BIO 201 IN, BIO 202IN, BIO 205IN, CHM 130/130LB, and PSY 101 or PSY 240. In addition, students must complete the courses that meet the listed general studies requirements with a grade of "C" or better. These courses are not included in the 2.5 cumulative GPA computation. All remaining courses must be completed with a grade of "C" or better.

Upon Transfer to ASU: Students must have a current RN license in good standing before taking the courses in the RN-BSN program (TWC/NUR).

All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU.

While the pathway requirements total 82 credits, there are only 75 maximum transferable credit hours; the excess hours will not transfer.
\begin{tabular}{|c|c|c|}
\hline NRS 104LC: Nursing Process I Clinical & 3 hrs & \\
\hline NRS 104LS: Nursing Process I Skills & 1 hrs & \\
\hline NRS 105: Nursing Process II & 4 hrs & \\
\hline NRS 105LC: Nursing Process II Clinic & 4 hrs & \\
\hline NRS 105LS: Nursing Process II Skills & 1 hrs & \\
\hline NRS 201: Nursing Process III & 5 hrs & \\
\hline NRS 201LC: Nursing Process III Clinical & 4 hrs & \\
\hline NRS 202: Nursing Process IV & 3 hrs & \\
\hline NRS 202CA: Nursing Process IV and NRS 202CB: Nursing Process IV & 6 hrs & \\
\hline NRS 203: Trends and lssues in Nursing & 1 hrs & \\
\hline Humanities/Fine Arts or Leadership/Ethics & 3 hrs & Complete a course from Humanities/Fine Arts or Leadership/Ethics categories marked with a "C" or "G." \\
\hline
\end{tabular}

Total Required Credits: 81

\section*{Pathway Agreement}
Pima Community College

2018-2019

ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
\(\left.\begin{array}{l|ll}\text { Pima College AGEC } & 35 \text { hrs } & \begin{array}{l}\text { Complete courses to complete the Pima } \\ \text { College Arizona General Education }\end{array} \\ \text { Curriculum (AGEC) based on your } \\ \text { Associate's degree. A completed AGEC } \\ \text { satisfies lower division general studies and } \\ \text { first year composition. }\end{array}\right]\)
been met and only if needed to complete requirements.

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better

\section*{Special Requirements}

There are no special requirements for this pathway

\section*{Pathway Agreement}
Tohono O'Odham Community College
Organizational Leadership, BA Pathway
\(2018-2019\)

ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

\section*{Humanities and Fine Arts}

THO 101: Elem Tohono O`odham I

Social and Behavioral Sciences your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition.

This course satisfies ASU's OGL 220 requirement.

3 hrs This course satisfies ASU's OGL 200 equirement

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. OGL 260 will need to be taken after transfer.

HIS 122: Tohono O`odham HIS
3 hrs

Additional Lower Division Requirements

Tohono O'Odham College AGEC

MGT 110: Human Rel Business \& Industry

MGT 230: Dynamics of Leadership

Lower Division Elective
\begin{tabular}{|c|c|c|}
\hline & 宔 & Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition. \\
\hline MGT 110: Human Rel Business \& Industry & 3 hrs & This course satisfies ASU's OGL 220 requirement. \\
\hline MGT 230: Dynamics of Leadership & 3 hrs & This course satisfies ASU's OGL 200 requirement. \\
\hline Lower Division Elective & 34 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. OGL 260 will need to be taken after transfer. \\
\hline
\end{tabular}

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of \(C\) or better.

\section*{Special Requirements}

There are no special requirements for this pathway

\title{
Organizational Leadership, BA Pathway
}

2018-2019

\footnotetext{
Total Required Credits: 75
}

\section*{Pathway Agreement}

\title{
Yavapai College \\ Interdisciplinary Studies (Organizational Studies), BA Pathway \\ 2018-2019
}

ASU Major: Interdisciplinary Studies (Organizational Studies), BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
\begin{tabular}{|c|c|c|}
\hline Yavapai College AGEC & & A completed AGEC satisfies lower division general studies and first year composition. \\
\hline COM 100: INTRODUCTION TO HUMAN COMMUNICATION & & Satisfies ASU's prerequisite requirement for SOC 352/COM 312. \\
\hline Lower Division Elective & 37 hrs & Select courses that transfer as direct equivalencies, Departmental Elective credit (DEC), or Elective credit (E) from the Course Equivalency Guide (CEG). \\
\hline
\end{tabular}

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

\section*{Special Requirements}

Students must complete the TAG and all specia requirements, must have the Arizona General Education Curriculum (AGEC) certified on their transcript and must have their Associate Degree (AA, AAEE, AAFA, AB, or AS) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) B.I.S. degree program.

\section*{1) ARIZONA STATE UNIVERSITY}

\section*{Pathway Agreement}

\author{
Yavapai College \\ Liberal Studies, BA Pathway
}

2018-2019
ASU Major: Liberal Studies, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
Yavapai College AGEC

Complete courses to complete the Yavapai College Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition.

COM 100: INTRODUCTION TO HUMAN COMMUNI OR COM 134: INTERPERSONAL COMMUNICATION OR COM 131: FUNDAMENTALS OF SPEECH COMMUN OR COM 271: SMALL GROUP COMMUNICATION OR COM 200: Communication Theory

Lower Division Elective

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

\section*{Special Requirements}

Students must complete the TAG and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Liberal Studies, BLS degree program. The BLS program is available Online and allows students to transfer up to 75 credit hours.

\section*{1 UNIVERSITY}

\section*{Pathway Agreement}

\author{
Yavapai College \\ Organizational Leadership, BA Pathway \\ 2018-2019
}

ASU Major: Organizational Leadership, BA | College of Integrative Sciences and Arts

\section*{Pathway Requirements}

Additional Lower Division Requirements
\begin{tabular}{|c|c|c|}
\hline Yavapai College AGEC & \[
35 \mathrm{hrs}
\] & Complete courses to complete the Yavapai College Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition. \\
\hline ACC 217: USES OF FINANCIAL INFORMATION & 3 hrs & This course satisfies ASU's OGL 260 requirement. \\
\hline Lower Division Elective & 34 hrs & Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. OGL 200 will need to be taken after transfer. \\
\hline MGT 140: Organizational Behavior & 3 hrs & This course satisfies ASU's OGL 220 requirement. \\
\hline
\end{tabular}

\section*{Pathway Notes}

Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

\section*{Special Requirements}

Students must complete the TAG and all specia requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, ABUS-GR, ABUS-SR, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA degree program.```


[^0]:    * See Residential Life for designated move in dates.
    ** Late Registration fee of $\$ 50$ assessed.
    *** Classes start on Thursday 8/16/2018 in order to fully comply with ABOR contract hour requirements

[^1]:    *The $\$ 25$ fee for your card was included in your enrollment deposit. If you need to replace your Pitchfork ID Card or basic Sun Card, a $\$ 25$ fee will apply. All rules for obtaining a replacement ID card may be found at carservices.asu.edu.
    **Meal Plans and Maroon \& Gold (M\&G) Dollars are administered by Sun Devil Dining. Call 480.727.DINE (3463) or visit sundevildining.com
    ${ }^{1}$ Member FDIC

[^2]:    - application of diagnostics

[^3]:    - a journalism and mass communication focus
    - a transdisciplinary approach that requires coursework outside of the journalism school
    - one-on-one faculty-student mentoring
    - program flexibility

[^4]:    - ability to communicate
    - demonstrated commitment to public service
    - diversity of experience and background
    - exceptional personal talents
    - extracurricular or community activities
    - foreign language proficiency
    - geographic diversity
    - graduate study
    - history of overcoming economic or other disadvantage
    - honors and awards
    - leadership experience
    - maturity
    - overcoming disability
    - personal experiences with discrimination

[^5]:    Business, W. P. Carey School of
    Tech Entrepreneurship \& Mgmt
    https://poly.engineering.asu.edu/tem/bs-technological-entrepreneurship-and-management/

[^6]:    General Education Awareness Areas [C, H, G]

[^7]:    ARH 100: Introduction To Art or
    ARH 101: Prehistoric Through Gothic Art or
    ARH 102: Renaissance Through Contemporary Art
    or
    DAH 201: World Dance Studies or
    MHL 143: Music In World Cultures or
    MTC 105: Music Theory I and
    MTC 106: Aural Perception I or
    MTC 155: Music Theory II and
    MTC 156: Aural Perception II or
    MTC 205: Music Theory III and
    MTC 206: Aural Perception III or
    MTC 255: Music Theory IV and
    MTC 256: Aural Perception IV

[^8]:    General Education Awareness Areas [C, H, G]
    Cultural Diversity in the U.S. [C]

    Historical or Global Awareness [H] or [G]

[^9]:    General Education Awareness Areas [C, H, G]
    Cultural Diversity in the U.S. [C]

    Historical or Global Awareness [H] or [G]

[^10]:    General Education Awareness Areas [C, H, G]
    Cultural Diversity in the U.S. [C]

    Historical or Global Awareness [H] or [G] $\qquad$

[^11]:    Natural Science [SQ, SG]
    BIO 181: General Biology (Majors) I or
    BIO 181XT: General Biology (Majors)

[^12]:    $0-3$ hrs

    0-3 hrs [G] may be used to simultaneously fulfill other AGEC requirements.
    C] may be used to simultaneously fulfill other C] may be used to sim AGEC requirem

[^13]:    General Education Awareness Areas [C, H, G]
    Cultural Diversity in the U.S. [C]

    Historical or Global Awareness [H] or [G]

[^14]:    General Education Awareness Areas [C, H, G]

[^15]:    Natural Science [SQ, SG]
    BIO 100: Biology Concepts or BIO 102: GEN
    BIO(NON-MAJORS)ADDITIONAL or
    BIO(NON-MAJORS)ADDI 181: General Biology (Majors) I or
    BIO 181: General Biology (Majors) I or
    BIO 201: Human Anatomy and Physiology
    BIO 201: Human Anatomy and Physiology or
    BIO 201XT: Human Anatomy and Physiology
    I

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    #)```

[^16]:    General Education Awareness Areas [C, H, G]
    Cultural Diversity in the U.S. [C] 0-3 hrs

    Historical or Global Awareness [H] or [G]

